



# Sustainable Sport

20<sup>th</sup> Annual Congress of the European College of Sport Science  
ECSS Malmö 2015 – Sweden, 24 – 27 June

# Final Programme

**Hosted by the**

Malmö University, Lund University & Copenhagen University

# Welcome

### **Welcome to Malmö**

Dear congress participant,

On behalf of the Department of Sport Science, Malmö University, Sweden, the Department of Health Sciences, Lund University, Sweden, and the Department of Nutrition, Exercise and Sport, University of Copenhagen, Denmark, it is our pleasure to invite you to attend the 20th Annual Congress of the European College of Sport Science – ECSS Malmö 2015.

The multidisciplinary ECSS Congress will be celebrating its 20th anniversary. The 2015 congress theme of Sustainable Sport will permeate the academic programme as well as the arrangements: the three universities co-hosting the event all emphasize sustainability.

In education and research, and will work together with the City of Malmö, a fair trade city, to make ECSS 2015 a sustainable sport congress.

The ECSS congress especially emphasises exchange of knowledge through oral and mini-oral presentations, and we are convinced that all attendees will find interesting topics and participate in creating new knowledge within the broad field of Sport Sciences. Once again, the Young Investigators Award will be one of the highlights of the congress.

We look forward to seeing you all in Malmö and the Öresund Region, an area with tremendous social, political, and economic potential in the area of sustainability. Together, we will create an outstanding congress, where we shall develop the broad perspective of sustainable sport.

Susanna Hedenborg & Aage Radman, Congress Presidents

ECSS  
Malmö

# Organization

## Congress Presidents

- Aage Radmann (SWE)
- Susanna Hedenborg (SWE)

## ECSS Executive Board

- Marco Narici - President (GBR)
- Sigmund Loland – Past President (NOR)
- Tim Cable – President Elect (GBR)
- Joan Duda (GBR)
- Stephen Seiler (NOR)
- Gisela Sjøgaard (DEN)

## ECSS Scientific Board

- Anton Wagenmakers - Chair (GBR)
- Flemming Dela - Co-Chair (DEN)
- Jan Cabri - Secretary (NOR)
- Paul Greenhaff (GBR)
- Martin Halle (GER)
- Susanna Hedenborg (SWE)
- Luc van Loon (NED)
- Jose Antonio Lopez Calbet (ESP)
- Abigail Louise Mackey-Sennels (DEN)
- Erich Müller (AUT)
- Nicole Wenderoth (SUI)

## ECSS Scientific Committee

- Natalia Balague (ESP)
- Wilhelm Bloch (GER)
- Annalisa Cogo (ITA)
- Wim Derave (BEL)
- Peter Federolf (NOR)
- Taija Finni (FIN)
- Daniel Green, FECSS (GBR)
- Michael Grey (GBR)
- Markus Gruber (GER)
- Jørn Wulff Helge (DEN)
- Ylva Hellsten (DEN)
- Pierre-Nicolas Lemyre, (NOR)
- Johannes van Lieshout, (NED)
- Mike McNamee, FECSS (GBR)
- Maria Francesca Piacentini (ITA)
- Afroditi Stathi (GBR)
- Cecilie Thøgersen-Ntoumani (AUS)
- Janice L. Thompson (GBR)

## ECSS Office

- Thomas Delaveaux (GER)
- Elias Tsolakidis (GRE)
- Steffen Neubert (GER)
- Juliane Melber (GER)
- Tuulia Hokkanen (FIN)

## Organizing Committee

- Jan-Eric Ekberg (SWE)
- Per Eriksson (SWE)
- Jenny Damgaard (SWE)
- Christopher Johansson (SWE)
- Annika Larsson (SWE)
- Mikaela Färnqvist (SWE)
- Joakim Åkesson (SWE)

## Chairs Local Scientific Committee

- Susanna Hedenborg (SWE)

## Biomechanics and Neurology

- Anna Maria Drake (SWE)

## Physiology and Sport Medicine

- Jens Bangsbo (DEN)

## Social Sciences and Humanities

- Aage Radmann (SWE)

## Local Scientific Committee

- Eva Ageberg (SWE)
- Bo Carlsson (SWE)
- Urban Johnson (SWE)
- Tomas Peterson (SWE)
- Gertrud Pfister (DEN)
- Per Nilsson (SWE)
- Johan Norberg (SWE)
- Jens Bangsbo (DEN)
- Nikolai Nordsborg (DEN)
- Ingrid Svensson (SWE)
- Aage Radmann (SWE)

## Additional reviewers

- Ingrid Svensson (SWE)
- Andreas Jacobsson (SWE)
- Anna Maria Drake (SWE)
- Åsa Tornberg (SWE)
- Birgitte Høier (DEN)
- Elisabeth Apeldoorn (SWE)
- Eva Ageberg (SWE)
- Eva Horneij (SWE)
- Frida Eek (SWE)
- Gerald Gems (USA)
- Hanna Isaksson (SWE)
- Hans Hoppeler (SUI)
- Henrik Gustavsson (SWE)
- Ingegerd Ericsson (SWE)
- Ingrid Svensson (SWE)
- Jan Lexell (SWE)
- Jan-Eric Ekberg (SWE)
- Jenny Wikman (SWE)
- Jesper Fundberg (SWE)

- Jesper Lövind Andersen (DEN)
- Jesper Lundbye Jensen (DEN)
- Joakim Åkesson (SWE)
- Jyri Backman (SWE)
- Karin Book (SWE)
- Kasper Skriver (DEN)
- Katja Heinemeier (DEN)
- Kelly Knez (SWE)
- Kutte Jönsson (SWE)
- Lars Holm (DEN)
- Lasse Christiansen (DEN)
- Lasse Gliemann Hybholdt (DEN)
- Mark Andersen (SWE)
- Michael Nyberg (DEN)
- Mikael Lontos (SWE)
- Mogens Theisen Pedersen (DEN)
- Natalia Stambulova (SWE)
- Per Wollmer (SWE)
- Peter Magnusson (DEN)
- Peter Møller Christensen (DEN)
- Richard Thomas (DEN)
- Simon Graner (SWE)
- Sofia Bunke (SWE)
- Stephen Fritzdorf (SWE)
- Svend Sparre Gertsen (DEN)
- Sverker Fryklund (SWE)
- Torbjörn Andersson (SWE)
- Torsten Buhre (SWE)
- Wade Knez (SWE)

## Head of Volunteers

- Annika Larsson (SWE)

## General Information

### VENUE

Clarion Hotel & Congress Malmö Live Malmö Live is only a two minute walk away from Malmö main station. The building is a sustainable, green project.

#### Clarion Hotel & Congress Malmö Live

Dag Hammarskjölds torg 2 211 18  
Malmö Sweden

Telefon: +46 40 20 75 00

### CONGRESS OFFICE AND REGISTRATION

The congress registration desks are located right of the main entrance at the ground floor facing the hotel registration desk

Opening hours are:

- Wednesday, June 24<sup>th</sup> 8.30 to 18.00 hrs
- Thursday, June 25<sup>th</sup> 8.30 to 18.00 hrs
- Friday, June 26<sup>th</sup> 8.30 to 18.00 hrs
- Saturday, June 27<sup>th</sup> 8.30 to 16.00 hrs

### REGISTRATION FEES INCLUDE

#### Registration fee for participants includes:

- Admission to all scientific sessions
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception\*
- Congress material (Congress Bag, Final Programme - in print, Book of Abstracts – print on demand EUR 25\*/ EUR 35 on site)
- Coffee or tea breaks(6) and lunches(3)\* at the congress venue\*
- Admission to the Closing Ceremony
- Admission to the Congress Party\*

\*pre-booking required

#### Registration fee for accompanying persons includes:

- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception\*
- Congress material (Congress Bag, Final Programme - in print, Book of Abstracts – print on demand EUR 25\*/ EUR 35 on site)
- Coffee or tea breaks(6) and lunches(3)\* at the congress venue\*
- Admission to the Closing Ceremony
- Admission to the Congress Party\*

\*pre-booking required.

Please note that accompanying persons don't have admission to scientific sessions

#### Registration fee for additional exhibitors (minimum two free delegates per company) includes:

- Admission to all scientific sessions
- Admission to exhibition
- Admission to the Opening Ceremony
- Admission to the Opening Reception\*
- Congress material (Congress Bag, Final Programme - in print, Book of Abstracts – print on demand EUR 25\*/ EUR 35 on site)
- Coffee or tea breaks(6) and lunches(3)\* at the congress venue\*
- Admission to the Closing Ceremony
- Admission to the Congress Party\*

\*pre-booking required

### CONGRESS STAFF

Congress Staff members will be available to answer questions about the Congress Programme, the location of lecture halls, rooms, meals etc. Staff members can be identified by the light green T-shirt with the ECSS Logo and congress logo.

Have a nice stay in

## General Information

### SCIENTIFIC PROGRAMME

In developing the scientific programme, we have amassed an enviable collection of leading researchers and scholars from across Europe and around the Globe, to address our congress Sustainable Sport.

In addition a large number of oral presentations, mini-oral presentations and e-posters not debated complete the programme.

1592 abstracts have been accepted and allocated as follows:

- 1 Bengt Saltin Tribute Symposium with 5 presentations
- 4 plenary sessions with 8 presentations
- 37 invited symposia with 115 presentations
- 113 Oral sessions with 584 presentations
- 64 Mini-Oral sessions with 483 presentations
- 401 e-posters

### YOUNG INVESTIGATORS AWARD (YIA)

The ECSS has received 355 applications for this year's YIA. Out of those 355 applications 120 have met the administrative requirements for the YIA and based on thorough review entered the final stage of the competition. They will present their papers in front of the jury in Malmö.

The applicants are contending for 20 prizes (10 oral and 10 mini-oral). The Scientific Board and Committee will select the 10 best presentations for each category. Four finalists of the oral presentations will present their papers again. They will have 15 minutes each: 10 minutes presentation time and 5 minutes to answer questions of the Scientific Board and/or Scientific Committee at the Closing Ceremony on Saturday, June 27th. All winners will be announced and receive their prizes at the end of the Closing Ceremony and following the final evaluation by the ECSS Scientific Board and Scientific Committee.

- The top 10 candidates of each category (oral/mini-oral) will be announced on Friday afternoon, June 26th 2015 at the ECSS congress booth next to the registration desk.
- They will be invited to join the YIA-Cocktail to take place in the evening on Friday, June 26th 2015.
- In order to receive their certificate and prize money all prize winners will be asked to be present personally at the Young Investigators Award Ceremony that takes place on Saturday, June 27th, commencing at 16:00h.
- Prize winners who do not attend and accept their prize within the framework of the YIA Ceremony on Saturday, June 27th 2015 cannot be considered for the award prize

### PRIZE MONEY

Generous cash prizes will be provided for the finalists.

#### Oral presentations

- 1st - Euro 4.000,--
- 2nd - Euro 3.000,--
- 3rd - Euro 2.000,--
- 4th - Euro 1.000,--
- Equal 5th - Euro 500,--

#### Mini-Oral presentations

- 1st - Euro 3.000,--
- 2nd - Euro 2.000,--
- 3rd - Euro 1.000,--
- 4th - Euro 500,--
- Equal 5th - Euro 300,--

n Malmö

# General Information

## PRESENTATION REGULATIONS AND SPEAKERS READY ROOM

### Before

The Speakers Ready Room is located on the ground floor, room Live 11.

Please locate your lecture hall well in advance of your session and familiarize yourself with the setup. Invited and oral presentation format is PowerPoint. All PowerPoint presentations must be preloaded in the Speakers Ready Room.

This must be done the day before your session and as early as possible on Wednesday for sessions on that day.

Once at your session/hall - please check that the file is available on the pc and that it is functional. Note that using private laptops is not allowed.

All presenters must be available at the respective lecture hall 15 minutes before the session starts. Please introduce yourself to the Chair. There will be one or two Malmö volunteers in each lecture hall who can help with logistics, IT and timing of presentations.

### During

The Chair will introduce you and call you to speak (name, institution, title of presentation, and if the speaker is running for YIA). Please practice to keep to the exact timeline of the session:

- 10 min presentation
- 5 min discussion

A Malmö volunteer will show you (and the Chair) a yellow card at 9 minutes and a red card at 10 minutes, in order to guide you with respect to the timeline of the presentation. When necessary, a red card will be shown to you again after the allocated 10 minutes, in order to advise you and the Chair to move on to the next presentation

### After

Please clear the room as soon as possible at the end of the session as the next session will start within 15 minutes of the end of your session.

## Mini-Oral Sessions

### Before

Mini-oral sessions require the pre-upload of the presentation in pdf format (4 slides only) in landscape (horizontal). The presentation time is 2 minutes plus 2 minutes questions and answers. The presentation must be pre-uploaded right in advance of the congress via your ECSS account (deadline 15th of June 2015).

Please locate the lecture room of your mini-oral session right in advance. Once at your session please check if the file of your presentation is available on the pc and that it is functional. Introduce yourself to your session Chair(s). Be present at least 10 minutes before your session starts.

### During

The Chair introduces the speakers (name, institution, title of presentation, and if the speaker is running for YIA). Please practice to keep to the exact timeline of the session:

- 2 minutes presentation
- 2 minutes discussion

The Chair will initiate discussion allowing the audience to pose questions first.

### After

Please leave the room soon after the end of the mini-oral session as there may be a session following shortly after.

## CONGRESS LANGUAGE

The official congress language is English. No simultaneous translation will be provided.

## MEALS AND COFFEE BREAKS

Congress lunches and coffee breaks are included in the fee for the congress participants. Lunch bags (if pre-booked) are served in the Exhibition Area (ground and first floor) on Thursday to Saturday. Coffee breaks are also served in the Exhibition Area (ground and first floor) from Wednesday to Saturday.

### Lunch tickets (if pre-booked)

For lunches participants have been asked to pre-book, indicating special food requirements. For each day (Thursday, Friday, Saturday) you will receive a lunch ticket at the registration desk upon arrival.

## BADGES

All registered participants and accompanying persons receive a badge. Exhibiting companies have Exhibitor Passes and accredited members of media have Media Passes. The badge is your document to enter the congress site or any of the social activities. Badges must be worn at all times.

## TRANSPORTATION

The city of Malmö is easily accessible via plane from Copenhagen Airport, via train from elsewhere in Scandinavia and from middle Europe and via car from Scandinavia and Europe. The sustainable city of Malmö emphasises

# General Information

green values and environmental friendly solutions in travelling and getting around the city. Everything is within a walking distance and in Malmö biking is a popular way to get around. The city is full of good biking routes and it really is the best way to get to know the city. Please check bike rental possibilities here: <http://ecss-congress.eu/2015/15/index.php/travel-and-accommodation/travel-information>

## MESSAGES AND CHANGES IN THE PROGRAMME

Messages to participants are given via e-mail. Any changes in the programme will also be announced via e-mail.

## INTERNET SERVICES

Wireless internet will be available at the congress venue. You obtain a login code at the registration desk.

## TECHNICAL EXHIBITION

The technical exhibition is located on the ground and first floor. The opening hours, at which exhibitors' attendance is mandatory, are:

- Wednesday June 24<sup>th</sup> 10.00 to 17.30 hrs and 19:30 – 20:30 hrs (during opening reception)
- Thursday June 25<sup>th</sup> 10.00 to 16.30 hrs
- Friday June 26<sup>th</sup> 10.00 to 16.30 hrs

## TOURIST INFORMATION

Malmö is situated in southern Sweden in Skane region, it is easily accessible via air, rail and road from all over the world. City of Malmö is also part of the big Öresund region, which is joined by the metropolitan city of Copenhagen. The bridge between Malmö and Copenhagen is one of the biggest constructions in Europe and it guarantees a short 15 minute drive from Malmö to Copenhagen. The city of Malmö is a commercial center of southern Sweden, it has gone through a great transition from old industrial city to a city of knowledge, spiced up with over 170 nationalities. Many companies in the area are creating state-of-art technological solutions together with the colleges, science parks and the university.

The city of Malmö is striving from its sustainability. It is extremely important issue all around Sweden and the city of Malmö has done great measures to enhance the livability and sustainability within the city and the guests in Malmö are also recommended to participate. Enjoying the atmosphere in Malmö includes enjoying the sustainable options provided.

- Drink pure and tasty Swedish tap water
- Recycle accordingly
- Cycle, walk and use public transportation
- Try out the different restaurant options – vegetarian alternative is a must as well
- Check out the organic and ethically labelled shops – you won't be disappointed

There will be a mobile tourist office located at the square outside Malmö Live every day during the congress from 12:00 – 14:00. They will answer your questions about Malmö and give tips what to do in the city. They also have maps and brochures for you.

## SOCIAL PROGRAMME

The ECSS congress and Malmö offer you a wide range of social events apart from the scientific programme. All functions are included in the congress registration fees, unless indicated differently.

### Opening Ceremony

This is the official opening of the congress and will feature on opening addresses from the congress presidents and the ECSS president together with some local entertainment.

### Opening Reception (pre-booking required)

The Opening Ceremony will be followed by an Opening Reception, which is also the official opening of the exhibition, with some finger food and drinks.

### ECSS General Assembly

All ECSS members are invited to join the ECSS General Assembly to get informed of the latest facts and figures and the development of the society. Wednesday, 24th June 2015, 11:00-12:00, room: Live 3

### Closing Ceremony

The Closing Ceremony will immediately follow the Young Investigators Awards and will feature Thanks and Goodbye from Malmö and a presentation from the 21st Annual Congress ECSS Vienna 2016 in Austria.

### ECSS Congress Party (pre-booking required)

The Congress Party will take place in Moriska Paviljongen in Folkets Park on Saturday night. It will be the time to celebrate the 20th anniversary congress of the ECSS and dancing will be compulsory.

# Congress Exhibitors

## **056 - 1080 Motion AB**

1080 Sprint and 1080 Quantum  
SWEDEN

## **012 - ActiGraph**

Objective physical activity monitoring hardware and software  
USA

## **061 - ANT Neuro b.v.**

eegosports - ultra-mobile eeg & emg acquisition platform  
THE NETHERLANDS

## **062 - ANT Neuro b.v.**

eegosports - ultra-mobile eeg & emg acquisition platform  
THE NETHERLANDS

## **034 - Artinis Medical Systems B.V.**

Optical imaging and oxygenation measurements  
THE NETHERLANDS

## **037 - Aspetar**

Orthopaedic and Sports Medicine Hospital  
QATAR

## **035 - BIOPAC Systems, Inc.**

High-quality scientific tools  
USA

## **063 - Broderiet i Kungsbacka AB/New Wave Profile**

Official ECSS Malmö 2015 outfitter - T-shirts, promotional clothing, merchandise  
SWEDEN

## **064 - Broderiet i Kungsbacka AB/New Wave Profile**

Official ECSS Malmö 2015 outfitter - T-shirts, promotional clothing, merchandise  
SWEDEN

## **038 - CamNtech Ltd.**

Medical devices manufacturer  
UNITED KINGDOM

## **025 - CareFusion Germany 234 GmbH**

Lung function devices  
GERMANY

## **043 - Catapult Sports Pty Ltd**

Athlete analytics  
UNITED KINGDOM

## **059b - CliniLab/Brain Products**

Neuroscience / EEG  
FINLAND

## **057 - Concept / Woodway / Tanita**

Scale and body analysis products  
SWEDEN

## **058 - Concept / Woodway / Tanita**

Scale and body analysis products  
SWEDEN

## **059 - Concept / Woodway / Tanita**

Scale and body analysis products  
SWEDEN

## **018 - Contemplas GmbH**

Worldwide software solutions for general motion analysis in the sport and medicine market  
GERMANY

## **026 - CORTEX Biophysik GmbH**

CPET systems  
GERMANY

## **041 - COSMED S.r.l.**

Comprehensive Cardiopulmonary, Metabolic and Body Composition solutions for the Research, Sport Science and human Performance field  
ITALY

## **042 - COSMED S.r.l.**

Comprehensive Cardiopulmonary, Metabolic and Body Composition solutions for the Research, Sport Science and human Performance field  
ITALY

## **046 - Delsys Inc.**

Surface Electromyography (sEMG), Surface Decomposition EMG (dEMG) and complimentary Biosignal Systems  
USA

## **036 - DIERS International GmbH**

4D motion Analysis  
GERMANY

## **055 - ECSS Vienna 2016**

21th annual congress of the ECSS in Vienna 2016  
AUSTRIA

## **007 - Gloria Sports Arena**

xxx  
TURKEY

## **045 - h/p/cosmos sports & medical GmbH**

h/p/cosmos treadmill solutions  
GERMANY

## **016 - Human Kinetics**

Publisher  
UNITED KINGDOM

## **022 - HUR Labs Oy**

Performance testing products  
FINLAND

## **023 - HUR Labs Oy**

Performance testing products  
FINLAND

## **047 - Kistler Instrumente AG**

Force Plates, Force and Acceleration Sensors, Software for Performance and Balance analysis  
SWITZERLAND



## **032 - Lode B.V.**

Bicycle and treadmill ergometers and ergometry software  
THE NETHERLANDS

## **033 - Lode B.V.**

Bicycle and treadmill ergometers and ergometry software  
THE NETHERLANDS

## **024 - MICROGATE SRL**

Systems for training and performance evaluation  
ITALY

## **019 - Monark Exercise AB**

Sports & Medical Products for life and Performance  
SWEDEN

## **020 - Monark Exercise AB**

Sports & Medical Products for life and Performance  
SWEDEN

## **015 - MTF- Musculoskeletal Transplant Foundation**

Human Tissue Bank  
USA

## **030 - Novel GmbH**

Load distribution measurement systemes  
GERMANY

## **053 - Novel GmbH**

Load distribution measurement systemes  
GERMANY

## **054 - Novel GmbH**

Load distribution measurement systemes  
GERMANY

## **017 - PAL Technologies Ltd**

activPALTM - clinical tools for quantifying sedentary, upright and ambulatory activities and behaviour  
SCOTLAND, UK

## **029 - PhysioFlow / Manatec Biomedical**

A unique range of noninvasive cardiac output monitors  
FRANCE

## **027 - Polar Electro Sverige AB**

Polar Heart Rate Monitors  
SWEDEN

## **021 - PowerBar Europe GmbH**

PowerBar Premium Sports Nutrition  
GERMANY

## **052 - POWERbreathe International Ltd**

Inspiratory Muscle Training, Better Breathing and Altitude Simulation Training  
UNITED KINGDOM

## **013b - prophysics SOL AB**

Motion Analysis  
SWEDEN

## **014 - prophysics SOL AB**

Motion Analysis  
SWEDEN

## **031 - Qualisys AB**

Motion Capture vendor  
SWEDEN

## **049 - RBM elektronik-automation GmbH**

Cyclus2 - The Ergometer for Pros - performance diagnostics and training on your own bike  
GERMANY

## **050 - RBM elektronik-automation GmbH**

Cyclus2 - The Ergometer for Pros - performance diagnostics and training on your own bike  
GERMANY

## **051 - Routledge Taylor & Francis Group**

Publisher of European Journal of Sport Science  
UNITED KINGDOM

## **065 - Salimetrics Europe Ltd**

Saliva Testing ELISA Kits, Saliva Collection Devices, Saliva Testing Service, Saliva Training  
UNITED KINGDOM

## **039 - Tekscan, Inc.**

Pressure Measurement Systems  
USA

## **028 - TMG-BMC d.o.o.**

Scientifically validated, functional and selective muscle measurements  
SLOVENIA

## **060 - Universidad Católica San Antonio de Murcia (UCAM)**

UCAM University - International Higher Education  
SPAIN

## **13A - University of Malmö**

University of Malmö, University of Lund, University of Copenhagen and City of Malmö  
SWEDEN

## **066 - Velamed GmbH**

Biomechanic Full Supplier  
GERMANY

## **044 - zebris Medical GmbH**

Rehawalk® System  
GERMANY

# Exhibition & Lecture Rooms - Ground floor



# Lecture Rooms - First floor



Your notes

## Sessions

**Plenary Sessions.....13**

**Oral Presentations.....18**

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Thursday, June 25<sup>th</sup> ..... 16

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## Mini Oral Presentations

Wednesday, June 24<sup>th</sup> (13:00-14:00) ... 38

Wednesday, June 24<sup>th</sup> (14:00-15:00) .... 40

Thursday, June 25<sup>th</sup> (14:00-15:00) ..... 42

Thursday, June 25<sup>th</sup> (15:00-16:00) ..... 45

Friday, June 26<sup>th</sup> (15:00-16:00) ..... 48

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Plenary

# Plenary sessions

**Wednesday, June 24<sup>th</sup>, 2015**

**16:45 - 18:00**

## **PS-PL01 CHANCES AND CHALLENGES FOR PHYSICAL ACTIVITY AND LEARNING - SUSTAINABLE MOVEMENTS AND MOVEMENT CULTURES**

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LECTURE ROOM: HIGH LIVE 1

Chair(s):

Schneider, A. [Canada]

Søgaard, K. [Denmark]

### **PS-PL01-1**

EXERCISE, LEARNING AND MEMORY

Nielsen, J. [Denmark]

### **PS-PL01-2**

SPORT SCIENCE AND THE IDEA OF THE OBESITY CRISIS: A MEMETIC CONSIDERATION

Tinning, R. [Australia]

**Thursday, June 25<sup>th</sup>, 2015**

**12:00 - 13:15**

## **PS-PL02 FROM THE CRADLE TO THE GRAVE - SPORT AND PHYSICAL ACTIVITY FOR A SUSTAINABLE BODY**

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LECTURE ROOM: HIGH LIVE 1

Chair(s):

Bangsbo, J. [Denmark]

Pfister, G. [Denmark]

### **PS-PL02-1**

SPORT AND PHYSICAL ACTIVITY FOR A SUSTAINABLE BODY - PAST, PRESENT AND FUTURE CHALLENGES

Hedenborg, S. [Sweden]

### **PS-PL02-2**

THE OLDER MUSCLE: AGEING OR DISUSE?

Harridge, S. [United Kingdom]

**Friday, June 26<sup>th</sup>, 2015**

**12:00 - 13:15**

## **PS-PL03 EXERCISE, ENERGY INTAKE, BRAIN HEALTH AND WELL BEING**

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LECTURE ROOM: HIGH LIVE 1

Chair(s):

Narici, M. [United Kingdom]

### **PS-PL03-1**

ENERGY INTAKE AND EXERCISE AS DETERMINANTS OF BRAIN HEALTH AND VULNERABILITY TO INJURY AND DISEASE

Mattson, M. [United States]

### **PS-PL03-2**

CAN EXERCISE AND PHYSICAL ACTIVITY OPTIMISE THE WELLBEING OF POPULATIONS?

Thompson, J.L. [United Kingdom]

**Saturday, June 27<sup>th</sup>, 2015**

**12:00 - 13:15**

## **PS-PL04 INACTIVITY AND THE AGEING POPULATION**

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LECTURE ROOM: HIGH LIVE 1

Chair(s):

Duda, J. [United Kingdom]

### **PS-PL04-1**

INCREASING PHYSICAL LEVELS IS THE KEY COMPONENT TO IMPROVING LIFELONG HEALTH AND WELL BEING

Blair, S. [United States]

### **PS-PL04-2**

PHARMACEUTICAL DRUG DEVELOPMENT IS THE KEY TO OFFSETTING AGE RELATED DYSFUNCTION AND CHRONIC DISEASE

Evans, W. [United States]

\* clinical track

# Oral & Invited Presentations

## Wednesday, June 24th 13:00 - 15:00

### Kuben OP-PM76

#### GSSI Nutrition Award

Chair(s):

Rollo, I. [United Kingdom]

Close, G. [United Kingdom]

13:00 OP-PM76-1  
EFFECT OF THE SOURCE OF DIETARY NITRATE SUPPLEMENTATION ON PLASMA NITRITE CONCENTRATIONS AND BLOOD PRESSURE  
Jonvik, K.L. et al [Netherlands]

13:15 [YIA] OP-PM76-2  
INGESTION OF GLUCOSE OR SUCROSE DURING PROLONGED ENDURANCE TYPE EXERCISE PREVENTS A DECLINE IN LIVER BUT NOT MUSCLE GLYCOGEN CONCENTRATION  
Gonzalez, J.T. et al [United Kingdom]

13:30 OP-PM76-3  
EFFECT OF CARNOSINE LOADING AND HIGH-INTENSITY INTERVAL TRAINING ON ENDURANCE CYCLING PERFORMANCE  
Chung, W. et al [Australia]

13:45 OP-PM76-4  
DELAYED INSULIN ACTION DURING OGTT IN HABITUAL LOW-CARBOHYDRATE HIGH-FAT CYCLISTS  
Leith, D. et al [South Africa]

14:00 [YIA] OP-PM76-5  
EFFECTS OF BLOOD DONATION AND NITRATE INGESTION ON THE PHYSIOLOGICAL RESPONSE TO MODERATE-INTENSITY AND INCREMENTAL EXERCISE  
McDonagh, S.T.J. et al [United Kingdom]

### High Live 2 OP-PM77

#### Aspetar Excellence in Football Award

Chair(s):

Nassis, G. [Qatar]

Ali, A. [New Zealand]

13:00 OP-PM77-1  
LOW VOLUME SPEED-ENDURANCE TRAINING IMPROVES INTERMITTENT EXERCISE CAPACITY IN HIGHLY TRAINED FOOTBALL PLAYERS IN SEASON: ROLE OF SKELETAL MUSCLE ADAPTATIONS.  
Gunnarsson, T. et al [Denmark]

13:15 OP-PM77-2  
REPEATED-SPRINT TRAINING IMPROVES O<sub>2</sub> UPTAKE KINETICS AND PERFORMANCE IN HIGHLY TRAINED FOOTBALL PLAYERS: ROLE OF FIBER TYPE SPECIFIC ADAPTATIONS IN SKELETAL MUSCLE  
Nyberg, M. et al [Denmark]

13:30 OP-PM77-3  
NATURAL ALTITUDE TRAINING AT 1380 M COMBINED WITH 9 H PER DAY AT 3000 M IS AN EFFECTIVE ALTITUDE TRAINING MODE  
Carr, A. et al [Australia]

OP-PM77-4  
EFFECTS OF VISUAL TRAINING ON DECISION-MAKING AND REACTIVE AGILITY IN ADOLESCENT FOOTBALL PLAYERS  
Nimmerichter, A. et al [Austria]

18:00 OP-PM77-5  
THE EFFECT OF COLD-WATER IMMERSION ON THE CHANGE IN SKELETAL MUSCLE NA<sup>+</sup>-K<sup>+</sup>-ATPASE GENES FOLLOWING INTENSE INTERMITTENT EXERCISE IN HUMANS  
Christiansen, D. et al [Australia]

### High Live 3 OP-BN13

#### Coaching: Team sport I

Chair(s):

Bunke, S. [Sweden]

Gillet, J. [Canada]

13:00 OP-BN13-1  
TACKLE TECHNIQUE AND RISK OF INJURY IN HIGH-LEVEL UNDER-18 SOUTH AFRICAN RUGBY UNION PLAYERS  
Burger, N. et al [South Africa]

13:15 OP-BN13-2  
TRAINING PROCESS OPTIMIZATION BASED ON GAME SUCCESS PREDICTION IN ENGLISH PROFESSIONAL RUGBY UNION  
Fomin, R. et al [Finland]

13:30 OP-BN13-3  
LOADS VOLUME AND INTENSITY IN FEMALE HIGH-PERFORMANCE HANDBALL MATCH-PLAY  
Skarbalius, A. [Lithuania]

13:45 OP-BN13-4  
LOAD AND RECOVERY DURING AN IN-SEASON INTENSIVE GAME PHASE; PERCEPTIONS OF PLAYERS AND COACH.  
Doeven, S.H. [Netherlands]

14:00 OP-BN13-5  
WHEN MORE DOES NOT MEAN BETTER - THE VALUE OF WORK-LIFE BALANCE WITHIN A PROFESSIONAL FOOTBALL ARENA  
Saunders, J. et al [Australia]

## Wednesday, June 24th 15:00 - 16:30

### High Live 1 IS-PM02

#### THE BENGT SALTIN TRIBUTE SYMPOSIUM

Chair(s):

Sjogaard, G. [Denmark]

Narici, M. [United Kingdom]

15:00 IS-PM02-1  
PROFESSOR BENGT SALTIN'S LEGACY AND CONTRIBUTION TO THE ECSS  
Narici, M.V. [United Kingdom]

15:30 IS-PM02-2  
INTEGRATIVE PHYSIOLOGICAL APPROACHES FOR OPTIMIZING MUSCULAR PERFORMANCE AND HEALTH  
Sjogaard, G. [Denmark]

16:00 IS-PM02-3  
ROLE OF MUSCLE GLYCOGEN IN EXERCISE METABOLISM AND PERFORMANCE  
Graham, T. [Canada]

16:30 IS-PM02-4  
EXERCISE TRAINING-INDUCED REGULATION OF MITOCHONDRIAL BIOGENESIS AND MITOPHAGY  
Pilegaard, H. [Denmark]

17:00 IS-PM02-5  
THE ESSENTIAL OF INTERDISCIPLINARY RESPECT IN RESEARCH FOR A SUSTAINABLE UNDERSTANDING OF HUMAN PHYSICAL ACTIVITY AND SPORT  
Hedenborg, S. et al [Sweden]

### Kuben IS-PM10

#### THE ATHLETE'S BIOLOGICAL PASSPORT - WHAT'S THE STATUS? \*

Chair(s):

Nordsborg, N. [Denmark]

15:00 IS-PM10-1  
THE ATHLETE'S BIOLOGICAL PASSPORT - WHAT'S THE STATUS  
Morkeberg, J. [Denmark]

15:30 IS-PM10-2  
THE STEROIDAL MODULE  
Schulze, J. [Norway]

16:00 IS-PM10-3  
THE ENDOCRINE MODULE  
Dehnes, Y. [Norway]

### High Live 2 IS-PM06

#### SKELETAL MUSCLE ADAPTATIONS TO ENDURANCE TRAINING: IS TISSUE HYPOXIA THE MAIN SIGNAL?

Chair(s):

Lundby, C. [Switzerland]

15:00 IS-PM06-1  
CARDIAC AND SKELETAL MUSCLE METABOLISM IN HIGH ALTITUDE HYPOXIA  
Murray, A.J. [United Kingdom]

15:30 IS-PM06-2  
SKELETAL MUSCLE HIF-1 AND EXERCISE  
Rundqvist, H. [Sweden]

16:00 IS-PM06-3  
TISSUE HYPOXIA AND THE HUMAN SKELETAL MUSCLE  
Lundby, C. [Switzerland]

**High Live 3**

**OP-PM02**

**Health, Training & Performance**

Chair(s):

Ainsworth, B. [United States]

Aakesson, J. [Sweden]

15:00 [YIA] OP-PM02-1  
THE INFLUENCE OF ANTHROPOMETRIC AND MATURATIONAL CHARACTERISTICS ON THE RELATIVE AGE EFFECT IN ALPINE SKI RACING  
Müller, L. et al [Austria]

15:15 [YIA] OP-PM02-2  
THE EFFECTS OF A MULTIFACTORIAL INJURY PREVENTION INTERVENTION ON PHYSICAL EDUCATION TEACHERS' PREVENTIVE BEHAVIOR AND THEIR SPORTS AND WORK RELATED INJURIES  
Vercruyse, S. et al [Belgium]

15:30 [YIA] OP-PM02-3  
LEFT AND RIGHT VENTRICULAR AREA-DEFORMATION LOOPS: A NEW NON-INVASIVE TOOL APPLIED TO THE CONCEPT OF EXERCISE-INDUCED CARDIAC FATIGUE  
Lord, R. et al [United Kingdom]

15:45 [YIA] OP-PM02-4  
LIFELONG EXERCISE EXPOSURE AND CARDIOVASCULAR RISK: IS THERE AN UPPER LIMIT?  
Maessen, M.F.H. et al [Netherlands]

16:00 [YIA] OP-PM02-5  
INTELLIGENT PHYSICAL EXERCISE TRAINING PROVES EFFECTIVE IN ENHANCING MUSCLE STRENGTH AND REDUCING MUSCULOSKELETAL PAIN IN A WORKPLACE SETTING: A RANDOMIZED CONTROLLED TRIAL  
Dalager, T. et al [Denmark]

16:15 [YIA] OP-PM02-6  
CIGARETTE SMOKING INTERFERES WITH DIETARY NITRATE METABOLISM AND ITS EFFECTS ON BLOOD PRESSURE AND EXERCISE TOLERANCE  
Wylie, L.J. et al [United Kingdom]

**High Live 4**

**IS-BN04**

**QUALITY OF MOVEMENTS – MORE THAN MEETS THE EYE?**

Chair(s):

Ageberg, E. [Sweden]

15:00 IS-BN04-1  
WHAT IS CLINICAL ASSESSMENT OF MOVEMENT QUALITY?  
Crossley, K. et al [Australia]

15:30 IS-BN04-2  
WHAT ARE THE SENSORIMOTOR AND BIOMECHANICAL MECHANISMS ASSOCIATED WITH GOOD AND POOR PERFORMANCE IN CLINICAL TESTS OF MOVEMENT QUALITY?  
Creaby, M.W. [Australia]

16:00 IS-BN04-3  
USING CLINICAL ASSESSMENT OF MOVEMENT QUALITY IN THE INJURY REHABILITATION AND RETURN-TO-SPORT  
Ageberg, E. [Sweden]

**Live 1**

**IS-BN06**

**TENDON ADAPTATION**

Chair(s):

Finni, T. [Finland]

15:00 IS-BN06-1  
TENDON RESPONSE TO EXERCISE TRAINING  
Bojsen-Moller, J. [Norway]

15:30 IS-BN06-2  
THE RELATIONSHIP BETWEEN TENDON MECHANICAL PROPERTIES AND DAILY STRESS LEVELS  
Seynnes, O. [Norway]

16:00 IS-BN06-3  
EFFECTS OF AGING AND DISUSE ON TENDON  
Stenroth, L. [Finland]

**Live 2**

**IS-SH01**

**FEPSAC SYMPOSIUM – THE DEVELOPMENT OF EXPERTISE AND COMPETENCIES OF APPLIED SPORT PSYCHOLOGISTS IN EUROPE**

Chair(s):

Johnson, U. [Sweden]

15:00 IS-SH01-1  
'FEPSAC SYMPOSIUM 'THE DEVELOPMENT OF EXPERTISE AND COMPETENCIES OF APPLIED SPORT PSYCHOLOGISTS IN EUROPE'.  
Johnson, U. [Sweden]

15:30 IS-SH01-2  
THE PROFESSIONAL DEVELOPMENT OF THE ASP PRACTITIONER  
Wylleman, P. et al [Belgium]

16:00 IS-SH01-3  
WORKING EFFECTIVELY IN YOUTH SPORT: REFLECTIONS OF A LEAD SPORT PSYCHOLOGIST  
Harwood, C. [United Kingdom]

16:30 IS-SH01-4  
BECOMING A COMPETENT PRACTITIONER IN SPORT PSYCHOLOGY: TYPICAL CHALLENGES AND EFFECTIVE LEARNING EXPERIENCES  
Hutter, V. [Netherlands]

**Live 3**

**IS-SH02**

**ANIMALS, SPORT AND HEALTH – A SUSTAINABLE RELATIONSHIP?**

Chair(s):

Jönsson, K. [Sweden]

15:00 IS-SH02-1  
YOUTH EQUESTRIAN SPORT: INTERSPECIES RELATIONS IN TIME AND SPACE  
Gillet, J. [Canada]

15:30 IS-SH02-2  
THE HORSE AS A HEALTH WORKER?  
Sörensen, M. [Norway]

16:00

ETHICS IN HORSE RIDING

Dashper, K. [United Kingdom]

IS-SH02-3

**Live 4**

**OP-PM05**

**Muscle Metabolism & Nitrate Ingestion**

Chair(s):

Horiuchi, M. [Japan]

Willems, M. [United Kingdom]

15:00 [YIA] OP-PM05-1  
CELLULAR MECHANISMS OF VITAMIN D IN SKELETAL MUSCLE REPAIR: A LIVE CELL IMAGING ANALYSIS  
Owens, D. et al [United Kingdom]

15:15 [YIA] OP-PM05-2  
DIURNAL DIFFERENCES IN THE MYOFIBRILLAR PROTEOME OF HUMAN VASTUS LATERALIS  
Malik, Z.A. et al [United Kingdom]

15:30 [YIA] OP-PM05-3  
INFLUENCE OF BEETROOT JUICE AND SODIUM NITRATE ON OXYGEN CONSUMPTION IN TRAINED MEN  
Flueck, J.L. et al [Switzerland]

15:45 [YIA] OP-PM05-4  
EFFECTS OF ACUTE VERSUS 6-DAY SODIUM NITRATE SUPPLEMENTATION ON TIME-TRIAL PERFORMANCE IN TRAINED CYCLISTS  
Nyakayiru, J. et al [Netherlands]

16:00 [YIA] OP-PM05-5  
EFFECTS OF BLOOD DONATION AND NITRATE INGESTION ON THE PHYSIOLOGICAL RESPONSE TO MODERATE-INTENSITY AND INCREMENTAL EXERCISE  
McDonagh, S.T.J. et al [United Kingdom]

16:15 [YIA] OP-PM05-6  
LOW MUSCLE GLYCOGEN IMPAIRS POST-EXERCISE P70S6K ACTIVITY DESPITE HIGH LEUCINE AVAILABILITY: THE CRITICAL GLYCOGEN HYPOTHESIS  
Impey, S.G. et al [United Kingdom]

**Live 5**

**OP-BN01**

**Neuromuscular Control**

Chair(s):

Nicol, C. [France]

Federolf, P. [Norway]

15:00 [YIA] OP-BN01 -1  
VISCOELASTIC CONTROL FOR HUMAN STANDING  
Tomida, S. et al [Japan]

15:15 [YIA] OP-BN01 -2  
EFFECTS OF ALPINE SKIING ON PATELLAR TENDON PROPERTIES IN OLDER PATIENTS WITH TOTAL KNEE ARTHROPLASTY  
Wiesinger, H.P. et al [Austria]

15:30 [YIA] OP-BN01 -3  
EFFECTS OF DIFFERENT STRETCHING TECHNIQUES ON MUSCLE- AND TENDON PROPERTIES  
Konrad, A. et al [Austria]

15:45 [YIA] OP-BN01 -4  
INTERMITTENT CONTROL OF TIPTOE STANDING: POSTURAL ROBUSTNESS BASED ON JOINT VISCOELASTICITY  
Tanabe, H. et al [Japan]

16:00 [YIA] OP-BN01 -5  
INNOVATIVE VIDEO FEEDBACK ON JUMP-LANDING STRATEGIES IMPROVES LANDING TECHNIQUE IN MALE TEAM SPORT ATHLETES  
Dallinga, J.M. et al [Netherlands]

16:15 [YIA] OP-BN01 -6  
CLASSIFICATION OF ICE HOCKEY SKILL LEVEL BASED ON PRINCIPAL MUSCLE RECRUITMENT STRATEGIES  
Buckeridge, E. et al [Canada]





09:00 OP-PM06-3  
WALKING CAPACITY IS INVERSELY ASSOCIATED TO AMBULATORY BLOOD PRESSURE IN PATIENTS WITH INTERMITTENT CLAUDICATION  
Lima, A.H.R.A. et al [Brazil]

09:15 OP-PM06-4  
NO EFFECT OF SIX MONTHS OF TRAINING ON THE HEMODYNAMIC RESPONSE TO METABOREFLEX ACTIVATION IN MULTIPLE SCLEROSIS PATIENTS  
Marongiu, E. et al [Italy]

09:30 OP-PM06-5  
EFFECTS OF AN INSPIRATORY MUSCLE TRAINING VS A CONVENTIONAL EXERCISE THERAPY ON RESPIRATORY FUNCTION AND FUNCTIONAL EXERCISE CAPACITY IN COPD PATIENTS  
Wright, P.R. et al [Germany]

09:45 OP-PM06-6  
COMPARISON OF THE EFFECTS OF TWO SHORT-TERM CARDIAC REHABILITATION PROGRAMS WITH AEROBIC TRAINING ON CARDIAC FITNESS INDICES AFTER CORONARY ARTERY BYPASS SURGERY  
Hematfar, A. [Iran]

**High Live 2 OP-PM01**

**Sports Medicine**

Chair(s):  
Boreham, C. [Ireland]  
Tornberg, Å. [Sweden]

08:30 [YIA] OP-PM01-1  
IS NERVE DEGENERATION A FEATURE OF TENDINOPATHY? STUDIES ON MIDPORTION ACHILLES TENDINOPATHY AND TENNIS ELBOW  
Spang, C. et al [Sweden]

08:45 [YIA] OP-PM01-2  
THE EFFECTS OF SHORT-TERM LOW ENERGY AVAILABILITY ON BONE TURNOVER IN WOMEN  
Papageorgiou, M. et al [United Kingdom]

09:00 [YIA] OP-PM01-3  
EXERCISE TRAINING REDUCES ACUTE PHYSIOLOGICAL SEVERITY OF MENOPAUSAL HOT FLUSHES  
Bailey, T.G. et al [United Kingdom]

09:15 [YIA] OP-PM01-4  
URINARY CONCENTRATIONS OF SINGLE AND MULTIPLE ADMINISTRATION OF INHALED AND ORAL TERBUTALINE: INFLUENCE OF GENDER AND ETHNICITY  
Molphy, J. et al [United Kingdom]

09:30 [YIA] OP-PM01-5  
FOLLOWING PHYSICAL ACTIVITY RECOMMENDATIONS AND NORMAL WEIGHT ARE ASSOCIATED WITH LOW STRESS AND GOOD RECOVERY  
Föhr, T. et al [Finland]

09:45 [YIA] OP-PM01-6  
GLUCOSE AND HORMONE RESPONSE TO INTERMITTENT VS. CONSTANT LOAD EXERCISE IN TYPE 1 DIABETES MELLITUS <T1DM> USING NEW ULTRA-LONG-ACTING INSULIN  
Moser, O. et al [Germany]

**High Live 3 OP-PM03**

**Exercise Metabolism, Mitochondrial Function and Body composition**

Chair(s):  
Murphy, R. [Australia]  
Ichinoseki-Sekine, N. [Japan]

08:30 [YIA] OP-PM03-1  
MODERATE INTENSITY EXERCISE TRAINING RAPIDLY INCREASES INSULIN STIMULATED INTESTINAL GLUCOSE UPTAKE IN SEDENTARY INDIVIDUALS.  
Motiani, K.K. et al [Finland]

08:45 [YIA] OP-PM03-2  
GENDER DIFFERENCES IN MITOCHONDRIAL OXIDATIVE CAPACITY AFTER WEIGHT REGAIN FOLLOWING A LIFESTYLE INTERVENTION  
Jørgensen, S. et al [Denmark]

09:00 [YIA] OP-PM03-3  
CHRONIC NON-STEROIDAL ANTI-INFLAMMATORY DRUG INGESTION BLUNTS INCREASES IN MUSCLE

MITOCHONDRIAL FUNCTION DURING RESISTANCE EXERCISE TRAINING IN HUMANS  
Gaffney, C.J. et al [United Kingdom]

09:15 [YIA] OP-PM03-4  
MAXIMAL FAT OXIDATION DURING EXERCISE IS POSITIVELY ASSOCIATED WITH 24-HOUR FAT OXIDATION AND INSULIN SENSITIVITY IN YOUNG, HEALTHY MEN  
Robinson, S.L. et al [United Kingdom]

09:30 [YIA] OP-PM03-5  
STATIN MYALGIC PATIENTS HAVE IMPAIRED MITOCHONDRIAL RESPIRATORY FUNCTION IN SKELETAL MUSCLE  
Dohmann, T. et al [Denmark]

09:45 [YIA] OP-PM03-6  
DETERMINATION OF BODY FAT AND MUSCLE MASS IN UPPER BODY ATHLETES – A COMPARISON OF METHODS  
Morris, T.E. et al [United Kingdom]

**High Live 4 OP-PM61**

**Health & Fitness: Age III**

Chair(s):  
WANG, H. [China]  
Tian, Y. [China]

08:30 OP-PM61-1  
TELOMERE LENGTH IS ASSOCIATED WITH MOBILITY IN OLDER WOMEN, BUT DOES NOT PREDICT MOBILITY DECLINE DURING 11 YEAR FOLLOW-UP  
Sillanpää, E. et al [Finland]

08:45 OP-PM61-2  
EFFECTS OF A PROGRAM OF PHYSICAL ACTIVITY IN ELDERLY WOMEN  
Freitas, G. [Brazil]

09:00 OP-PM61-3  
12 WEEKS OF FLOORBALL TRAINING LOWERS BODY FAT IN ELDERLY UNTRAINED MEN  
Vorup, J. [Denmark]

09:15 OP-PM61-4  
EXERCISE INTERVENTION CAN CHANGE SEDENTARY BEHAVIOR TO PHYSICAL ACTIVITY IN MIDDLE TO OLDER ADULTS BASED ON OBJECTIVELY-MEASURED HOURLY ACCELERATION  
Ayabe, M. et al [Japan]

09:30 OP-PM61-5  
PHYSIOLOGICAL RESPONSES OF MEN IN RECREATIONAL SWIMMING AFTER A MAXIMAL SPRINT TEST - A PILOT STUDY  
Lampadari, V. et al [Greece]

09:45 OP-PM61-6  
FLIPPING THE CLASSROOM IN AN UNDERGRADUATE SPORTS COACHING COURSE  
Reddan, G. et al [Australia]

**Live 1 OP-BN14**

**Coaching: Team sport II**

Chair(s):  
Nilsson, P. [Sweden]  
Jacobsson, A. [Sweden]

08:30 OP-BN14-1  
DEVELOPMENT OF WORKING MEMORY TRAINING PRINCIPLES AND INTEGRATION INTO 'ONE ON ONE' FOOTBALL COACHING  
Hall, J. [New Zealand]

08:45 OP-BN14-2  
COACHES' BEHAVIOR IN BASQUE TRADITIONAL ROWING  
Leon Guerenon, P. [Spain]

09:00 OP-BN14-3  
THE PENALTY IN FOOTBALL: RELATE TO SUCCEED  
Vicente, A. et al [Portugal]

09:15 OP-BN14-4  
PLYOMETRIC FOUR WEEK TRAINING BEFORE IN-SEASON TRAINING PROGRAM ON POWER PERFORMANCE IN MALE AMATEUR SOCCER PLAYERS  
Thawichai, K. [Thailand]

09:30 OP-BN14-5  
KEY DRIVERS OF CUSTOMER EXPERIENCE IN THE PLAYERS OF PREMIER &#8206;LEAGUE FOOTBALL CLUBS  
Khodamoradpoor, M. [Iran]

09:45 OP-BN14-6  
THE RELATIONSHIP BETWEEN DIFFERENT HITTING REGIONS ON A TENNIS RACQUET AND ACCURACY ON THE COURT  
Tan, Y. et al [Turkey]

**Live 2 OP-SH02**

**Sport Psychology and Motor/Cognitive Function**

Chair(s):  
Johnson, U. [Sweden]  
Gaoua, N. [United Kingdom]

08:30 [YIA] OP-SH02-1  
A THREE-WAVE CROSS LAGGED PANEL TEST OF SELF-DETERMINATION THEORY'S PSYCHOLOGICAL NEEDS-MEDIATED MODEL OF ENGAGEMENT AND DISAFFECTION IN YOUTH SPORT  
Curran, T. et al [United Kingdom]

08:45 [YIA] OP-SH02-2  
REFLECTION AND BALL CONTROL IN YOUTH BASKETBALL PLAYERS FOR DIFFERENT POSITIONS  
Te Wierike, S.C.M. et al [Netherlands]

09:00 [YIA] OP-SH02-3  
BREATH SLOWER, BE SMARTER? THE EFFECTS OF SLOW PACED BREATHING ON COGNITIVE EXECUTIVE FUNCTIONING  
Laborde, S. [Germany]

09:15 [YIA] OP-SH02-4  
THE NUMBER OF COMPETITORS AFFECTS PACING AND PERFORMANCE IN SHORT-TRACK SPEED SKATING COMPETITIONS  
Konings, M. et al [United Kingdom]

# Oral & Invited Presentations

09:30 [YIA] OP-SH02-5  
TO IMPROVE OR NOT TO IMPROVE; THE PSYCHOLOGICAL PROFILE OF ELITE YOUTH SPEED SKATERS  
Stoter, I.K. et al [Netherlands]

09:45 OP-SH02-6  
ASSESSING PERSONAL TALENT DETERMINANTS IN YOUNG RACQUET SPORT PLAYERS: A SYSTEMATIC REVIEW  
Faber, I.R. et al [Netherlands]

## Live 3 OP-SH03

### Sport management (Sustainability and Sport events)

Chair(s):  
Houlihan, B. [United Kingdom]

Westerbeek, H. [Australia]

08:30 OP-SH03-1  
SPECTACLE MEETS SUSTAINABILITY: THE RELATIONSHIP BETWEEN EVENTS AND SPORT-FOR-DEVELOPMENT PROGRAMS  
Schulenkorf, N. et al [Australia]

08:45 OP-SH03-2  
FROM LONDON TO RIO: CAN SUSTAINABILITY BE SUSTAINED?  
Hatlem, P. [United States]

09:00 OP-SH03-3  
ACADEMIC RESEARCH COLLABORATION FOR RISK MANAGEMENT IN SPORTS EVENTS  
Benetti, M. et al [Brazil]

09:15 OP-SH03-4  
ON THE PERIPHERY: NEW PERSPECTIVES ON THE OLYMPIC AND PARALYMPIC MOVEMENT  
Baka, R. et al [Australia]

## Live 4 OP-PM19

### Physiology: Fatigue, Muscle damage & repair

Chair(s):  
Westerblad, H. [Sweden]  
Kay, A. [United Kingdom]

08:30 OP-PM19-1  
CONTRALATERAL PROTECTIVE EFFECT CONFERRED BY LOW-INTENSITY ECCENTRIC EXERCISE AGAINST MAXIMAL ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE  
Chen, T.C. et al [Taiwan]

08:45 OP-PM19-2  
EFFECT OF COMPRESSION GARMENTS ON RECOVERY OF EXERCISE PERFORMANCE FOLLOWING DOWNHILL RUNNING  
Mizuno, S. et al [Japan]

09:00 OP-PM19-3  
TEN MAXIMAL ISOMETRIC CONTRACTIONS DO NOT ATTENUATE DOWNHILL RUNNING-INDUCED MUSCLE DAMAGE AND EFFICIENCY LOSS  
Lima, L.C.R. et al [Brazil]

09:15 OP-PM19-4  
THE ROLE OF BRAIN-DERIVED NEUROTROPHIC FACTOR IN THE EXERCISE-INDUCED SKELETAL MUSCLE INJURY AND REPAIR  
Yu, T. et al [China]

09:30 OP-PM19-5  
EFFECT OF HYPOXIA AND DIETARY NITRATE SUPPLEMENTATION ON ADAPTATIONS TO SPRINT INTERVAL TRAINING  
De Smet, S. et al [Belgium]

09:45 OP-PM19-6  
CYCLING POWER MEASUREMENT: LAB TESTS VS INDOOR TRACK TESTS  
Cupido Santos, A. et al [Portugal]

## Live 6 OP-PM11

### Thermoregulation I

Chair(s):  
Abbiss, C. [Australia]  
Girard, O. [Switzerland]

08:30 OP-PM11-1  
REGULAR COLD-WATER IMMERSION AFTER HIGH-INTENSITY INTERVAL TRAINING DOES NOT HINDER THE ADAPTIVE RESPONSE IN HUMAN SKELETAL MUSCLE  
Broatch, J.R. et al [Australia]

08:45 OP-PM11-2  
A COMPARISON BETWEEN CONDUCTIVE AND INFRARED DEVICES FOR MEASURING MEAN SKIN TEMPERATURE AT REST, DURING EXERCISE IN THE HEAT, AND RECOVERY  
Costello, J.T. et al [United Kingdom]

09:00 OP-PM11-3  
HYPERTHERMIA ALTERS PROPRIOCEPTION AND BALANCE  
Mtiibaa, K. et al [Qatar]

09:15 OP-PM11-4  
THE WHOLE BODY CRYOSTIMULATION DOES NOT CHANGE IRISIN CONCENTRATION BUT REDUCES INFLAMMATION IN MIDDLE AGED, OBESE MEN.  
Ziemann, E. et al [Poland]

09:30 OP-PM11-5  
EFFECT OF ISCHEMIC PRECONDITIONING ON SWIMMING PERFORMANCE IN A HIGH-INTENSITY INTERVAL TRAINING SET: A RANDOMIZED, PLACEBO AND NOCEBO-CONTROLLED STUDY  
Ferreira, T.N. et al [Brazil]

09:45 OP-PM11-6  
EFFECTS OF EXTERNAL MOTIVATION ON CYCLING TIME TRIALS  
Skorski, S. et al [Germany]

## Live 7 OP-PM26

### Physiology: Brain

Chair(s):  
Nosaka, K. [Australia]  
Zijdewind, I. [Netherlands]

08:30 OP-PM26-1  
THE INFLUENCE OF A MILD THERMAL CHALLENGE AND SEVERE HYPOXIA ON SERUM BDNF.  
Tonoli, C. et al [Belgium]

08:45 OP-PM26-2  
PHYSICAL EXERCISE ACTIVATES THE MU-OPIOID SYSTEM IN HUMAN BRAIN  
Saaniijoki, T. et al [Finland]

09:00 OP-PM26-3  
VISUAL ACUITY AND CONTRAST SENSITIVITY ARE NOT AFFECTED BY HYPOXIC CONDITIONS IN SHORT-TERM AND LONG-TERM ACCLIMATIZED HIKERS  
Krusche, T. et al [Germany]

09:15 OP-PM26-4  
PHYSICAL AND MENTAL EXERTION REDUCE COGNITIVE PERFORMANCE ON PROFESSIONAL FOOTBALL PLAYERS  
Angius, L. [United Kingdom]

09:30 OP-PM26-5  
DOES EXERCISE PREFERENCE OR ADAPTATION MATTER FOR THE EFFECT ON BRAIN CORTICAL ACTIVITY?  
Abeln, V. et al [Germany]

## Live 8 OP-BN12

### Musculoskeletal & Fatigue

Chair(s):  
Jakobi, J. [Canada]  
Baudry, S. [Belgium]

08:30 [YIA] OP-BN12-1  
PREDICTIVE MUSCULOSKELETAL SIMULATION OF UPHILL AND DOWNHILL RUNNING  
Dorschky, E. et al [Germany]

08:45 [YIA] OP-BN12-2  
SEASONAL VARIATIONS IN SKIING ECONOMY IN ELITE CROSS-COUNTRY SKIERS ARE ASSOCIATED WITH CHANGES IN SKIING TECHNIQUE  
Myklebust, H. et al [Norway]

09:00 [YIA] OP-BN12-3  
CHARACTERISTICS OF MUSCLE AND TENDON MECHANICAL PROPERTIES FOR SPRINTERS AND SWIMMERS  
Kunimasa, Y. et al [Japan]

09:15 [YIA] OP-BN12-4  
EMG ACTIVITY OF THE LOWER LIMB MUSCLES DURING SPRINT CYCLING AT MAXIMAL CADENCE  
Rudsits, B.L. et al [Australia]

09:30 [YIA] OP-BN12-5  
POST-ACTIVATION POTENTIATION DURING AN ISOMETRIC TRAINING SESSION: CONTRIBUTION OF PERIPHERAL AND CENTRAL MECHANISMS  
Xenofondos, A. et al [Greece]

09:45 [YIA] OP-BN12-6  
ACTIVATION OF 5HT1A RECEPTORS: A PLAUSIBLE CONTRIBUTOR TO CENTRAL FATIGUE?  
D'Amico, J.M. et al [Australia]

## Live 10 OP-SH04

### Physical Education & Pedagogics (Children in Sport)

Chair(s):  
Gems, G. [United States]

Resaland, G. [Norway]

08:30 OP-SH04-1  
SPORT INJURIES IN SCHOOL PE AND IN LEISURE TIME. A STUDY AMONG ADOLESCENTS IN SWEDEN, GERMANY, NEW ZEALAND AND IN THE US.  
Sollerhed, A.C. et al [Sweden]

08:45 OP-SH04-2  
THE VALIDITY AND FEASIBILITY OF AN ATHLETIC SKILLS TRACK AMONG 6- TO 12-YEAR-OLD CHILDREN  
Hoeboer, J.J.A.A.M. et al [Netherlands]

09:00 OP-SH04-3  
USING DRAWING AS A GATEWAY TO UNDERSTANDING CHILDREN'S BODILY LEARNING  
Suominen, L. et al [Norway]

09:15 OP-SH04-4  
STUDY OF THE PE TEACHERS' CONFLICT MANAGEMENT STRATEGIES  
Németh, Zs. [Hungary]

09:30 OP-SH04-5  
TALENT PRODUCTION IN INTERACTION - USING PERFORMANCE APPRAISAL INTERVIEWS IN TALENT SELECTION CAMPS  
Kilger, M. et al [Sweden]

09:45 OP-SH04-6  
URBAN LIVING ENVIRONMENTS AND CHILDREN'S PHYSICAL ACTIVITY. RESULTS OF A PILOT STUDY.  
Knecht, S. et al [Germany]

**Thursday, June 25<sup>th</sup>  
10:20 - 11:50**

**High Live 1 IS-PM12**

**THE IMPACT OF PHYSICAL ACTIVITY ON CARDIOVASCULAR FUNCTION IN LIFESTYLE RELATED DISEASE \***

Chair(s):  
Hellsten, Y. [Denmark]

10:20 IS-PM12-1  
PHYSICAL ACTIVITY AND CARDIOVASCULAR DISEASE <CVD> IN YOUNG PEOPLE: CAN CVD BE PREVENTED IN HIGH RISK POPULATIONS?  
Green, D.J. [Australia]

10:50 IS-PM12-2  
THE INFLUENCE OF PHYSICAL ACTIVITY ON VASCULAR FUNCTION IN LIFESTYLE RELATED DISEASE  
Hellsten, Y. [Denmark]

11:20 IS-PM12-3  
FUNCTIONAL SYMPATHOLYSIS AS A CAUSE OF REDUCED SKELETAL MUSCLE BLOOD FLOW IN CARDIOVASCULAR DISEASE AND THE ROLE OF PHYSICAL ACTIVITY  
Mortensen, S. [Denmark]

**Kuben IS-PM01**

**SPORTS NUTRITION EXCHANGE: ADVANCES IN THE APPLICATION OF SCIENCE IN THE SPORTING ENVIRONMENT sponsored by GSSI**

Chair(s):  
Carter, J. [United Kingdom]  
Rollo, I. [United Kingdom]

10:20 IS-PM01-1  
NEW LESSONS IN THE REGULATION OF FAT METABOLISM AND IMPLICATIONS FOR ATHLETES.  
Kiens, B. [Denmark]

10:50 IS-PM01-2  
NOVEL REGULATORY MECHANISMS IN THE REGULATION OF GLUCOSE METABOLISM AND POTENTIAL INNOVATIVE NUTRITION STRATEGIES FOR ATHLETES.  
Richter, E.A. [Denmark]

11:20 IS-PM01-3  
TRANSLATING SUBSTRATE METABOLISM SCIENCE AND APPLYING IT IN THE ELITE SPORTING ENVIRONMENT  
Spriet, L.L. [Canada]

**High Live 2 OP-PM07**

**Carbohydrate and Performance**

Chair(s):  
Perret, C. [Switzerland]  
Murray, A. [United Kingdom]

10:20 [YIA] OP-PM07-1  
CARBOHYDRATE DEPENDENCE DURING HALF-MARATHON RUNNING  
Leckey, J.J. et al [Australia]

10:35 [YIA] OP-PM07-2  
INGESTION OF GLUCOSE OR SUCROSE DURING PROLONGED ENDURANCE TYPE EXERCISE PREVENTS A DECLINE IN LIVER BUT NOT MUSCLE GLYCOGEN CONCENTRATION  
Gonzalez, J.T. et al [United Kingdom]

10:50 [YIA] OP-PM07-3  
A TWO WEEK LOW GLYCEMIC INDEX DIET AFFECTS METABOLIC PARAMETERS OF SPORT STUDENTS AT REST AND DURING EXERCISE WITHOUT AFFECTING ENDURANCE PERFORMANCE  
Oertzen-Hagemann, V. et al [Germany]

11:05 [YIA] OP-PM07-4  
CARBOHYDRATE SUPPLEMENTATION DOES NOT IMPROVE A 10 KM SWIM PERFORMANCE  
Baldassarre, R. et al [Italy]

11:20 [YIA] OP-PM07-5  
THE ACTIVATION OF ADNOSINE RECEPTORS INHIBITED CAFFEINE-AFFECTED EXERCISE PERFORMANCE, THERMOREGULATION AND BRAIN NEUROTRANSMISSION  
Zheng, X. et al [Japan]

11:35 [YIA] OP-PM07-6  
THE EFFECT OF AN 8-DAY CYCLING TOUR ON PERFORMANCE, HEART RATE AND POMS IN 30 RECREATIONAL CYCLISTS  
ten Haaf, T. et al [Netherlands]

**High Live 3 OP-PM04**

**Adaptation and Movement Analysis**

Chair(s):  
Cortis, C. [Italy]  
Eskofier, B. [Germany]  
10:20 [YIA] OP-PM04-1  
SPRINT INTERVAL TRAINING OF ARMS AND LEGS ELEVATES PEAK VO2 AND IMPROVES ARM EXERCISE ECONOMY  
Zinner, C. et al [Germany]

10:35 [YIA] OP-PM04-2  
INDIVIDUAL RESPONSES TO A NOVEL EXERCISE INTERVENTION IN OLDER ADULTS WITH MULTIMOR-

BIDITY: A PILOT RANDOMISED CONTROLLED TRIAL  
Taylor, K.L. et al [United Kingdom]

10:50 [YIA] OP-PM04-3  
DISCRIMINANT MUSCULO-SKELETAL LEG CHARACTERISTICS BETWEEN ELITE CAUCASIAN SPRINT AND ENDURANCE RUNNERS.  
Bex, T. et al [Belgium]

11:05 [YIA] OP-PM04-4  
THE EFFECT OF HEAVY RESISTANCE TRAINING ON SKELETAL MUSCLE STRENGTH AND FUNCTION IN VERY OLD INDIVIDUALS  
Bechshøft, R. et al [Denmark]

11:20 [YIA] OP-PM04-5  
STRENGTH TRAINING IMPROVES CYCLING PERFORMANCE THROUGH IMPROVED FRACTIONAL UTILIZATION OF VO2MAX AND CYCLING ECONOMY  
Vikmoen, O. et al [Norway]

11:35 [YIA] OP-PM04-6  
HIGH-INTENSITY MOVEMENTS IN ELITE TEAM HANDBALL: MATCH ANALYSIS  
Luteberget, L. et al [Norway]

**High Live 4 IS-BN10**

**LATERALITY IN LOCOMOTION AND SPORT SPONSORED BY ADIDAS**

Chair(s):  
Schwameder, H. [Austria]  
10:20 IS-BN10-1  
FUNDAMENTALS OF LATERALITY  
Bryden, P. [Canada]

10:50 IS-BN10-2  
INTERLIMB TRANSFER OF LEARNED DYNAMICS  
Stein, T. [Germany]

11:20 IS-BN10-3  
LATERALITY IN DAILY LIFE, SPORT AND LOCOMOTION ACTIVITIES  
Schwameder, H. et al [Austria]

**Live 1 IS-BN09**

**RATE OF FORCE DEVELOPMENT: NEW IDEAS ON MEASUREMENT, MECHANISMS AND TRAINABILITY**

Chair(s):  
Hodson-Tole, E. [United Kingdom]  
10:20 IS-BN09-1  
EXPLOSIVE MUSCLE STRENGTH: MEASUREMENT AND FUNCTIONAL RELEVANCE  
Folland, J. [United Kingdom]

10:50 IS-BN09-2  
NEUROMUSCULAR FACTORS INFLUENCING RATE OF FORCE DEVELOPMENT  
Blazevich, A.J. [Australia]

11:20 IS-BN09-3  
RATE OF FORCE DEVELOPMENT: ITS RESPONSE TO ACUTE EXERCISE AND CHRONIC PHYSICAL TRAINING  
Maffiuletti, N.A. [Switzerland]

**Live 2 IS-SH06**

**SPORT AND PHYSICAL ACTIVITY IN LATER LIFE**

Chair(s):  
Pfister, G. [Denmark]  
10:20 IS-SH06-1  
FROM SEDENTARY SENIORS TO ELITE ATHLETES - CHANGING PRACTICES AND IMAGES OF OLDER ADULTS  
Pfister, G. [Denmark]

10:50 IS-SH06-2  
SPORT AND PHYSICAL ACTIVITY IN LATER LIFE - METHODOLOGICAL AND GERAGOGICAL ISSUES  
Diketmüller, R. [Austria]

11:20 IS-SH06-3  
PARTICIPATION IN PHYSICAL ACTIVITY AND SPORT AMONG OLDER NORWEGIANS: A LONGITUDINAL STUDY FROM 1985 TO 2013.  
Fasting, K. [Norway]

# Oral & Invited Presentations

## Live 3 IS-SH05

### GOOD GOVERNANCE IN SPORTS

Chair(s):

Houlihan, B. [United Kingdom]

10:20 IS-SH05-1  
ACTION FOR GOOD GOVERNANCE IN INTERNATIONAL SPORTS ORGANISATIONS

Houlihan, B. [United Kingdom]

10:50 IS-SH05-2  
TRANSPARENCY AND ACCOUNTABILITY IN INTERNATIONAL SPORT ORGANIZATIONS

Schenk, S. [Germany]

11:20 IS-SH05-3  
GOOD GOVERNANCE FROM A NATIONAL PERSPECTIVE: THE CASE OF SWEDEN

Norberg, J. [Sweden]

## Live 4 OP-PM20

### Physiology: Muscle metabolism, Interval training

Chair(s):

Boushel, R. [Sweden]

Kalliokoski, K. [Finland]

10:20 OP-PM20-1  
MITOCHONDRIAL FUNCTION AND CONTENT ARE INCREASED BY DIFFERENT TYPES OF TRAINING IN HUMAN SKELETAL MUSCLE.

Bishop, D.J. et al [Australia]

10:35 OP-PM20-2  
EFFECT OF HIGH INTENSITY TRAINING ON INSULIN SENSITIVITY IN OVERWEIGHT, SEDENTARY ELDERLY SUBJECTS

Søgaard, D. [Denmark]

10:50 OP-PM20-3  
BROWN ADIPOSE TISSUE GLUCOSE UPTAKE IS DECREASED BY TWO WEEKS OF EXERCISE TRAINING IN HEALTHY MIDDLE AGED MEN

Motiani, P. et al [Finland]

11:05 OP-PM20-4  
THE ASSOCIATION OF SNAP23 WITH THE MITOCHONDRIAL NETWORK IS REDUCED IN SKELETAL MUSCLE OF OBESE SEDENTARY FEMALES

Strauss, J.A. et al [United Kingdom]

11:20 OP-PM20-5  
ANABOLIC STEROID DETECTION BY PROTEOMICS IN HUMAN SKELETAL MUSCLE

Malm, C. et al [Sweden]

11:35 OP-PM20-6  
EXERCISE TRAINING ACTIVATES NRG1/ERBB PATHWAY IN GASTROCNEMIUS OF OBESE RATS

Chavanelle, V. et al [France]

## Live 5 OP-BN02

### Motor learning

Chair(s):

Cesari, P. [Italy]

Jaitner, T. [Germany]

10:20 [YIA] OP-BN02-1  
MOTOR IMAGERY OF TONIC AND BALLISTIC CONTRACTIONS ACTIVATES DIRECT AND INDIRECT CORTICOSPINAL PATHWAYS DIFFERENTLY BUT IN A SIMILAR WAY THAN REAL TONIC AND BALLISTIC CONTRACTIONS

Keller, M. et al [Switzerland]

10:35 [YIA] OP-BN02-2  
IN SITU EXAMINATION OF DECISION MAKING SKILLS AND GAZE BEHAVIOUR OF BASKETBALL PLAYERS

van Maarseveen, M.J.J. et al [Netherlands]

10:50 OP-BN02-3  
A COMPARISON OF LOWER EXTREMITIES ANATOMICAL AND FUNCTIONAL ASYMMETRIES IN ELITE AND SUB-ELITE FENCERS.

Kotsasian, A. et al [Sweden]

11:05 OP-BN02-4  
SPATIAL ANALYSIS OF HIT DISTRIBUTION IN RECURVE ARCHERY

Ertan, H. et al [Turkey]

11:20 OP-BN02-5  
'THE LEFT HAND HAS TO GO BACK A BIT MORE, LIKE THIS': INTERACTION ANALYSES OF COMMUNICATIVE STRATEGIES IN DRESSAGE COACHING

Lundgren, C. et al [Sweden]

11:35 OP-BN02-6  
COACHING DRESSAGE RIDERS: A QUALITATIVE INTERVIEW STUDY EXAMINING THE CHANGING PARADIGMS OF EQUESTRIAN TRAINING

Zetterqvist Blokhuis, M. et al [Sweden]

## Live 6 OP-PM12

### Thermoregulation II

Chair(s):

Levels, K. [Netherlands]

Racinais, S. [Qatar]

10:20 OP-PM12-1  
PRACTICAL COOLING STRATEGIES ENHANCE ENDURANCE RUNNING PERFORMANCE AND INCREASE SKELETAL MUSCLE ACTIVATION

Stevens, C. et al [Australia]

10:35 OP-PM12-2  
SELF-PACED EXERCISE IS REGULATED BY THE MAINTENANCE OF %VO<sub>2</sub>PEAK WITHIN A NARROW RANGE IN HOT AND COOL CONDITIONS

Périard, J.D. et al [Qatar]

10:50 OP-PM12-3  
HEAT ACCLIMATION ATTENUATES PHYSIOLOGICAL STRAIN IN ACUTE NORMOBARIC HYPOXIA

Gibson, O.R. et al [United Kingdom]

11:05 OP-PM12-4  
THE EFFECT OF USING DIFFERENT REGIONS OF INTEREST ON LOCAL AND MEAN SKIN TEMPERATURE

Bach, A.J.E. et al [Australia]

11:20 OP-PM12-5  
HUMAN METABOLIC RESPONSE IN VERY COLD ENVIRONMENT AND ANTARCTICA

Yamauchi, J. et al [Japan]

11:35 OP-PM12-6  
COVERT OR OVERT CHEMICAL/BIOLOGICAL PROTECTIVE CLOTHING SYSTEM: A PHYSIOLOGICAL COMPARISON IN EXTREME ENVIRONMENTS

Stewart, I.B. et al [Australia]

## Live 7 OP-PM49

### Training & Testing: Age & Clinical

Chair(s):

Gerrits, K. [Netherlands]

Holm, L. [Denmark]

10:20 OP-PM49-1  
AEROBIC FITNESS, STRENGTH AND RATE OF FORCE DEVELOPMENT IN SIMVASTATIN TREATED SUBJECTS WITH OR WITHOUT MYALGIA.

Morville, T. et al [Denmark]

10:35 OP-PM49-2  
ACUTE PHYSIOLOGICAL RESPONSES TO NOVEL HIGH-INTENSITY INTERVAL TRAINING IN OLDER ADULTS

Hurst, C. et al [United Kingdom]

10:50 OP-PM49-3  
EMG-THRESHOLD DETECTION COMPARED WITH THE INDIVIDUAL ANAEROBIC LACTATE THRESHOLD

Ertl, P. et al [Austria]

11:05 OP-PM49-4  
END CRITERIA FOR REACHING MAXIMAL OXYGEN UPTAKE IN 13 YEAR OLD BOYS AND GIRLS

Hetlelid, K.J. et al [Norway]

11:20 OP-PM49-5  
LUMBAR JOINT POSITION SENSE AND LUMBAR RANGE OF MOVEMENT TEST USING ELECTROGONIOMETER: RELIABILITY STUDY WITH ACTIVE STUDENTS AND HIGH LEVEL SWIMMERS

Solana-Tramunt, M. et al [Spain]

11:35 OP-PM49-6  
RELIABILITY OF OBJECTIVELY MEASURED SEDENTARY TIME AND PHYSICAL ACTIVITY IN ADULTS

Aadland, E. et al [Norway]

## Live 8 OP-BN03

### Swimming, Jumping & Squatting, Coordination

Chair(s):

Svensson, I. [Sweden]

Buhre, T. [Sweden]

10:20 OP-BN03-1  
PRESSURE DISTRIBUTION ON SWIMMING HANDS WITH FINGER SPREADING

Westerweel, J. [Netherlands]

10:35 OP-BN03-2  
THE EFFECTS OF A COMPUTERIZED BIOMECHANICAL ANALYSIS AS A TEACHING STRATEGY ON THE RECOVERY SHOULDER OF THE FRONT CRAWL SWIMMING

Ghafourian, L. et al [Iran]

10:50 OP-BN03-3  
UNSTEADY AERODYNAMICS OF A SKI JUMPER DURING THE TAKEOFF MOTION

Yamamoto, K. et al [Japan]

11:05 OP-BN03-4  
SKI JUMPING: HOW DO SITTING POSITION AND JUMPING MOVEMENTS AFFECT THE VERTICAL GROUND REACTION FORCE?

Gulbrandsen, Å.M. et al [Norway]

11:20 OP-BN03-5  
FUNCTIONAL ONE-LEGGED JUMPING HEIGHT IS DETERMINED BY KNEE JOINT POWER AND SWING LEG HIP POWER IN YOUNG FEMALE HANDBALL PLAYERS

Bencke, J. et al [Denmark]

## Live 10 OP-SH15

### Physical Education & Pedagogics I

Chair(s):

Knez, K. [Sweden]

Londos, M. [Sweden]

10:20 OP-SH15-1  
IN THE CROSSING OF THE FIELDS OF EDUCATION AND SPORT: SOCIAL SELECTION AMONG PUPILS

IN SCHOOL SPORTS  
Ferry, M. et al [Sweden]

10:35 OP-SH15-2  
HEALTH<Y> EDUCATION IN HPE TEACHER STUDENTS' BACHELOR/MASTER THESIS  
Schenker, K. [Sweden]

10:50 OP-SH15-3  
SWEDISH PE TEACHERS' GRADING PRACTICE IN A STANDARD BASED GRADING SYSTEM  
Svennberg, L. et al [Sweden]

11:05 OP-SH15-4  
BRIDGING THE DISCREPANCY? A STUDY OF PETE TEACHER'S PERCEPTIONS OF THE NEW SYLLABUS IN PEH IN SWEDEN.  
Ekberg, J. [Sweden]

11:20 OP-SH15-5  
CRITICAL THINKING DISPOSITION OF THE STUDENTS STUDYING SPORT SCIENCE AT UNIVERSITY  
Sunay, H. [Turkey]

11:35 OP-SH15-6  
'WE SHOULD ALSO HAVE A CHANCE TO BE INCLUDED.' DISABILITY, GENDER AND PHYSICAL EDUCATION  
Apelmo, E. [Sweden]

**Thursday, June 25<sup>th</sup>  
16:20 - 17:50**

**High Live 1 IS-PM09**

**PERFORMANCE AND TRAINING OF THE TOP-ATHLETE \***

Chair(s):  
Bangsbo, J. [Denmark]

16:20 IS-PM09-1  
THE EFFECT OF INTENSIFIED TRAINING; TRAINING OF THE TOP-CLASS OARSMAN  
Christensen, P. [Denmark]

16:50 IS-PM09-2  
PERFORMANCE AND TRAINING IN CROSS-COUNTRY SKIING  
Holmberg, H.C. [Sweden]

TRAINING OF THE TOP-CLASS FOOTBALL PLAYER  
Jones, A. [United Kingdom]

**Kuben IS-PM13**

**SKELETAL MUSCLE LIPOTOXICITY; SHOULD WE BE INTERESTED?**

Chair(s):  
Gray, S. [United Kingdom]

16:20 IS-PM13-1  
SKELETAL MUSCLE LIPOTOXICITY: WHAT IS IT AND WHAT DOES IT DO?  
Schrauwen, P. [Netherlands]

16:50 IS-PM13-2  
'THE EFFECTS OF EXERCISE TRAINING ON SKELETAL MUSCLE LIPIDS'  
Goodpaster, B. [United States]

17:20 IS-PM13-3  
EFFECTS OF SKELETAL MUSCLE LIPOTOXICITY ON MUSCLE PROTEIN SYNTHESIS: IMPLICATIONS FOR ATHLETIC AND AGEING POPULATIONS  
Guillet, C. [France]

**High Live 2 OP-BN16**

**Coaching: Mixed session II**

Chair(s):  
Sampaio, J. [Portugal]

Backman, J. [Sweden]

16:20 OP-BN16-1  
WHO ARE THE PARENTS? A STUDY OF THE PARENTAL BACKGROUND OF CHILDREN AGE 13-14 INCLUDED IN THE FIRST TALENT PROCESS STEPS IN SOCCER AND ATHLETICS IN SOUTHERN SWEDEN.  
Hafsteinsson Östenberg, A. et al [Sweden]

16:35 OP-BN16-2  
PREDICTION OF PERFORMANCE IN MONOFIN SWIMMING WITH THE DYNAMOMETER. A PILOT STUDY  
Rozi, G. [Greece]

16:50 OP-BN16-3  
SPECIALISING OR SAMPLING - CAREERS PATHWAYS IN SWEDISH ELITE SPORTS  
Fahlstrom, P.G. et al [Sweden]

17:05 OP-BN16-4  
PREDICTING SPECIFIC PERFORMANCE VIA CRITICAL VELOCITY AND MODIFIED-WINGATE TEST IN KAYAK ATHLETES  
Lee, T.T. et al [Taiwan]

**High Live 3 OP-PM13**

**Physiology: Endurance**

Chair(s):  
Millet, G. [Switzerland]  
Sandbakk, Ø. [Norway]

16:20 OP-PM13-1  
ALMOST PERFECT CORRELATION BETWEEN HEMOGLOBIN MASS, MAXIMAL O<sub>2</sub>-UPTAKE AND LEAN BODY MASS IN 13 YEARS OLD BOYS AND GIRLS  
Landgraff, H. et al [Norway]

16:35 OP-PM13-2  
THE CORRELATION BETWEEN ONE YEAR CHANGE IN MAXIMAL OXYGEN CONSUMPTION, HEMOGLOBIN MASS, MUSCLE MASS AND BODY WEIGHT IN 12-13 YEARS CHILDREN  
Riiser, A. et al [Norway]

16:50 OP-PM13-3  
MUSCLE RESPONSE TO COMBINED SPEED ENDURANCE AND ENDURANCE EXERCISE  
Skovgaard, C. et al [Denmark]

17:05 OP-PM13-4  
COGNITIVE ACTIVITY AND CEREBRAL OXYGENATION DURING A 20-KM CYCLING TIME TRIAL  
McCarron, J. et al [United Kingdom]

17:20 OP-PM13-5  
COMPARISON BETWEEN PERPOT SIMULATED AND LACTATE BASED ANAEROBIC THRESHOLD IN HANBALL PLAYERS  
Endler, S. et al [Germany]

17:35 OP-PM13-6  
LABORATORY PERFORMANCE PREDICTORS FOR MULTI-STAGE MOUNTAIN BIKE EVENTS  
Engelbrecht, L. et al [South Africa]

**High Live 4 IS-BN05**

**PERFORMING WHEN GETTING OLDER: ALTERATIONS AND PLASTICITY OF THE AGEING NEUROMUSCULAR SYSTEM**

Chair(s):  
Baudry, S. [Belgium]

16:20 IS-BN05-1  
BRAIN FUNCTION AND MOTOR PERFORMANCE IN OLDER ADULTS  
Swinnen, S. [Belgium]

16:50 IS-BN05-2  
AGE-RELATED NEUROMUSCULAR ADAPTATIONS  
Baudry, S. [Belgium]

17:20 IS-BN05-3  
INFLUENCE OF MUSCLE STRENGTH ON PHYSICAL FUNCTION OF MEN AND WOMEN WITH AGE  
Jakobi, J. [Canada]

**Live 1 IS-BN07**

**INTEGRATIVE APPROACH OF MUSCLE FATIGUE IN 2015 - SPONSORED BY THE PHYSIOLOGICAL SOCIETY**

Chair(s):  
Søgaard, K. [Denmark]

16:20 IS-BN07-1  
MUSCLE FATIGUE: THE NEED FOR A TRANSLATIONAL APPROACH  
Place, N. [Switzerland]

16:50 IS-BN07-2  
MUSCLE FATIGUE: THE CONTRIBUTION OF MOTOR NEURONAL FACTORS  
Gandevia, S.C. et al [Australia]

17:20 IS-BN07-3  
MUSCLE FATIGUE: THE POTENTIAL CONTRIBUTION OF MUSCULAR FACTORS  
Westerblad, H. [Sweden]

**Live 2 IS-SH10**

**URBAN SPORT LANDSCAPES**

Chair(s):  
Carlsson, B. [Sweden]

16:20 IS-SH10-1  
'GLOCAL' URBANISATION - SPORT'S POWER OF POSITION<ING>  
Westerbeek, H. [Australia]

16:50 IS-SH10-2  
ACTIVATING AND INCLUDING DOGMA ARCHITECTURE IN URBAN SPACE  
Kural, R. [Denmark]

17:20 IS-SH10-3  
PLANNING FOR ACTIVITY - LINKING PHYSICAL ACTIVITY TRENDS AND URBAN DEVELOPMENT TRENDS  
Book, K. [Sweden]

**Live 3 IS-SH08**

**CHILDRENS RIGHTS IN SPORT**

Chair(s):  
Nilsson, P. [Sweden]

16:20 IS-SH08-1  
CHILDREN'S RIGHTS VS. ELITE SPORT DEVELOPMENT  
Donnelly, P. [Canada]

16:50 IS-SH08-2  
CHILDRENS RIGHTS IN SPORT - A SWEDISH PERSPECTIVE  
Redelius, K. [Sweden]

# Oral & Invited Presentations

17:20 IS-SH08-3  
THE INTERNATIONAL SAFEGUARDS FOR CHILDREN  
IN SPORT: BUILDING SAFER ORGANISATIONS BASED  
ON THE 'CHILDREN' PILLARS  
Rhind, D. [United Kingdom]

## Live 4 OP-PM21

### Physiology: Respiration

Chair(s):  
Jones, A. [United Kingdom]  
Murray, A. [United Kingdom]

16:20 OP-PM21-1  
BREATH-BY-BREATH GAS EXCHANGE AT ALVEOLAR  
LEVEL: AN ALTERNATIVE IDENTIFICATION OF START  
AND END-POINTS OF THE RESPIRATORY CYCLE  
Francescato, M. et al [Italy]

16:35 OP-PM21-2  
THE EXCESS VO<sub>2</sub> AND THE SLOW COMPONENT OF  
OXYGEN UPTAKE KINETICS  
Oueslati, F. et al [France]

16:50 OP-PM21-3  
OVERESTIMATE OF RELATIVE AEROBIC CONTRIBU-  
TIONS WITH MAXIMAL ACCUMULATED OXYGEN  
DEFICIT IN ADOLESCENT FEMALE KAYAKERS  
Li, Y. et al [China]

17:05 OP-PM21-4  
ACUTE INSPIRATORY LOADING DOES NOT IMPROVE  
2.4 KM TIME-TRIAL PERFORMANCE WITH A 25 KG  
THORACIC LOAD  
Faghy, M. et al [United Kingdom]

17:20 OP-PM21-5  
MODELING INTERMITTENT CYCLING PERFORMANCE  
IN HYPOXIA USING THE CRITICAL POWER CONCEPT  
Townsend, N. et al [Qatar]

## Live 5 OP-BN04

### Running

Chair(s):  
Wolf, P. [Switzerland]  
Blazevich, A. [Australia]

16:20 OP-BN04-1  
THE INTERACTION BETWEEN NEUROMUSCULAR  
RESPONSES AND INITIAL LOADING RATE IN ELITE  
KENYAN RUNNERS  
Tam, N. et al [South Africa]

16:35 OP-BN04-2  
BIOMECHANICAL 3D FIELD MEASUREMENTS OF  
TRAIL RUNNERS  
Swarén, M. et al [Sweden]

16:50 OP-BN04-3  
INFLUENCE OF SHOE TYPE AND FATIGUE ON RUN-  
NING STYLE  
Mann, R. et al [Luxembourg]

17:05 OP-BN04-4  
RUNNING BAREFOOT INDUCES LOWER VERTICAL  
DISPLACEMENT COMPARED TO SHOD CONDITION  
Ekizos, A. et al [Germany]

17:20 OP-BN04-5  
EFFECTS OF MENTHOL IN STOCKINGS ON SKIN  
TEMPERATURE AND THERMAL PERCEPTION DUR-  
ING RUNNING  
Aparicio, I. et al [Spain]

## Live 6 OP-PM40

### Training & Testing: Strength I

Chair(s):  
Maffiuletti, N. [Switzerland]  
Mello, M. [Brazil]

16:20 OP-PM40-1  
EFFECTS OF VARIOUS WARM-UP MODELS ON 1 RM  
LEG PRESS PERFORMANCE IN COLLEGIATE ROWERS  
Akca, F. et al [Turkey]

16:35 OP-PM40-2  
DO CLUSTER-TYPE REGIMENS OFFER A SUPERIOR AL-  
TERNATIVE TO TRADITIONAL RESISTANCE TRAINING  
METHODS WHEN THE GOAL IS MAXIMAL STRENGTH  
DEVELOPMENT?  
Nicholson, G. et al [United Kingdom]

16:50 OP-PM40-3  
NEUROMUSCULAR ADAPTATIONS TO SHORT-TERM  
RESISTANCE TRAINING WITH LINEAR AND DAILY  
UNDULATING PERIODIZATION IN ADOLESCENT  
ELITE JUDOKA  
Pelzer, T. et al [Germany]

17:05 OP-PM40-4  
EFFECTS OF DIFFERENT SPLIT TRAINING ROUTINES  
ON ACUTE NEUROMUSCULAR PERFORMANCE OF  
ELBOW FLEXORS IN TRAINED MEN  
Ferreira-Junior, J.B. et al [Brazil]

17:20 OP-PM40-5  
LOW-INTENSITY RESISTANCE TRAINING WITH SLOW  
MOVEMENT AND TONIC FORCE GENERATION  
INCREASES MUSCLE SIZE AND STRENGTH BUT  
NOT POWER  
Maeo, S. et al [Japan]

17:35 OP-PM40-6  
ACUTE EFFECTS OF SELF MYOFASCIAL RELEASE  
ON SINGLE LEG STABILITY AND VERTICAL JUMP:  
A PILOT STUDY  
Russo, L. et al [Italy]

## Live 7 OP-PM54

### Health & Fitness: Lifestyle III

Chair(s):  
Ainsworth, B. [United States]  
Steding-Ehrenborg, K. [Sweden]

16:20 OP-PM54-1  
OPTIMIZED BODY COMPOSITION FOLLOWING  
COMBINED ENDURANCE AND STRENGTH TRAINING  
ON ALTERNATING DAYS COMPARED TO SAME-  
SESSION COMBINED TRAINING IN MEN  
Eklund, D. et al [Finland]

16:35 OP-PM54-2  
EFFECTS OF HIGH INTENSITY INTERVAL TRAINING  
AND STRENGTH TRAINING ON CARDIOVASCULAR  
RISK FACTORS IN WOMEN WITH POLYCYSTIC OVARY  
SYNDROME: A RANDOMIZED, CONTROLLED TRIAL  
Almenning, I. et al [Norway]

16:50 OP-PM54-3  
SIX WEEKS OF HIT INCREASES VO<sub>2</sub>MAX AND DE-  
CREASES VISCERAL FAT CONTENT IN ELDERLY  
Dideriksen, S. et al [Denmark]

17:05 OP-PM54-4  
REDUCING SITTING TIME THROUGH STRUCTURED  
EDUCATION: SUGGESTED INTERVENTION IMPROVE-  
MENTS IDENTIFIED BY PARTICIPANTS AND WORK-  
SHOP LEADERS IN PROJECT STAND  
Biddle, S. [Australia]

17:20 OP-PM54-5  
IDENTIFYING THE HEALTH PROMOTION NEEDS OF  
WHITE COLLARS TO SUPPORT BY INFORMATION  
AND COMMUNICATION TECHNOLOGIES  
Kuru, H. et al [Turkey]

## Live 8 OP-SH06

### Psychology (Self-determination)

Chair(s):  
Sörensen, M. [Norway]  
Cesari, P. [Italy]

16:20 OP-SH06-1  
EXAMINING PATTERNS OF CHANGE IN SELF-  
DETERMINED EXERCISE MOTIVATION USING LATENT  
GROWTH CURVE MODELS.  
Weman-Josefsson, A.K. et al [Sweden]

16:35 OP-SH06-2  
EFFECTS OF A SELF-DETERMINATION THEORY-BASED  
INTERVENTION AT THE ORGANIZATIONAL LEVEL IN  
SWEDISH SPORT CLUBS  
Stenling, A. et al [Sweden]

16:50 OP-SH06-3  
SELF-DETERMINATION IN EXERCISE INTERVENTIONS:  
IMPACT ON FITNESS AND BODY COMPOSITION  
Thøgersen-Ntoumani, C. et al [Australia]

17:05 OP-SH06-4  
POTENTIAL UTILITY OF MESSAGE-FRAMING IN  
ENHANCING SPORT PERFORMANCE  
Chew, W.C.E. et al [Singapore]

## Live 10 OP-SH22

### Sociology (Sport Science in ECSS)

Chair(s):  
Peterson, T. [Sweden]  
Norberg, J. [Sweden]

16:20 OP-SH22-1  
SPORT SCIENCE IN EUROPE: AN OVERVIEW OF ITS  
CURRENT SITUATION AND ITS EVOLUTION SINCE  
TWENTY YEARS  
Camy, J. [France]

16:35 OP-SH22-2  
THE ACADEMISATION OF SPORT IN SWEDEN  
Wirén Aakesson, J. [Sweden]

16:50 OP-SH22-3  
CONTENT LEXICAL ANALYSIS ON INTERDISCIPLINAR-  
ITY IN SPORT SCIENCES  
Fargier, P. et al [France]

**Thursday, June 25<sup>th</sup>**

**18:00 - 19:30**

**High Live 1 OP-PM64**

**Nutrition: Amino acids and proteins**

- Chair(s):  
Raastad, T. [Norway]  
Vikman, J. [Sweden]
- 18:00 OP-PM64-1  
TWENTY-FOUR WEEKS OF SS-ALANINE SUPPLEMENTATION DOES NOT AFFECT CLINICAL MARKERS OF HEALTH: PRELIMINARY FINDINGS  
Saunders, B. et al [Brazil]
- 18:15 OP-PM64-2  
AMELIORATING EFFECT OF BRANCHED-CHAIN AMINO ACIDS SUPPLEMENTATION ON MARATHON-INDUCED MUSCLE DAMAGE, INFLAMMATION AND MUSCLE SORENESS  
Ishikura, K. et al [Japan]
- 18:30 OP-PM64-3  
METABOLIC CONSEQUENCES OF L-ALANINE SUPPLEMENTATION DURING SUPRAMAXIMAL CYCLING AND 4000-M TIME TRIAL PERFORMANCE IN HIGHLY-TRAINED CYCLISTS  
Bellinger, P. et al [Australia]
- 18:45 OP-PM64-4  
DIETARY PROTEIN INTAKE AND DISTRIBUTION OF ELITE AUSTRALIAN TEAM-BASED SPORT ATHLETES  
Devlin, B. et al [Australia]
- 19:00 OP-PM64-5  
EFFECT OF WHEY PROTEIN HYDROLYSATE ON ADAPTATION TO ENDURANCE TRAINING IN WELL-TRAINED RUNNERS  
Hansen, M. et al [Denmark]

**Kuben OP-PM30**

- Sports Medicine & Orthopedics: Physiotherapy I**  
Chair(s):  
Crossley, K. [Australia]  
Gil, S. [Spain]
- 18:00 OP-PM30-1  
EFFECTIVENESS OF EXERCISE THERAPY IN TREATMENT OF PATIENTS WITH PATELLOFEMORAL PAIN SYNDROME: A SYSTEMATIC REVIEW AND META-ANALYSIS  
Clijisen, R. et al [Switzerland]
- 18:15 OP-PM30-2  
EFFECTS OF BRANCHED-CHAIN AMINO ACIDS SUPPLEMENTATION ON CHANGES IN KNEE EXTENSOR MUSCLES FUNCTION AND ENERGETIC METABOLISM RESULTING FROM EXERCISE-INDUCED MUSCLE DAMAGE  
Fouré, A. et al [France]
- 18:30 OP-PM30-3  
TRAINING AND DE-TRAINING EFFECTS OF SIX-MONTH FOLLOW-UP OF A 3-MONTH RESISTANCE EXERCISE PROGRAM IN THE MILD DEMENTED ELDERLY  
Lin, P. [Taiwan]
- 18:45 OP-PM30-4  
ECCENTRIC-OVERLOAD RESISTANCE EXERCISE USING FLYWHEEL IMPROVES COGNITIVE FUNCTION AND INCREASES MUSCLE SIZE, POWER AND PERFORMANCE IN STROKE VICTIMS  
Fernandez-Gonzalo, R. et al [Sweden]
- 19:00 OP-PM30-5  
INCREASED EXERCISE INTENSITY DURING INTERVAL ROBOT-ASSISTED GAIT THERAPY IN SPINAL CORD INJURED PERSONS  
Gerrits, K. et al [Netherlands]
- 19:15 OP-PM30-6  
THE IMPACT OF SIMVASTATIN ON INSULIN SENSITIVITY IN PATIENTS WITH AND WITHOUT MYALGIA  
Torp, M. et al [Denmark]

**High Live 2 OP-PM10**

- Physiology: Age II**  
Chair(s):  
Evans, W. [United States]  
Mackey, A. [Denmark]
- 18:00 OP-PM10-1  
EFFECT OF HIGH INTENSITY TRAINING AND ISOINERTIAL TRAINING ON INTERMUSCULAR ADIPOSE TISSUE IN OLDER ADULTS.  
Bruseghini, P. et al [Italy]
- 18:15 OP-PM10-2  
BLOCKING ANGIOTENSIN II TO IMPROVE THE ACUTE MUSCLE RESPONSE TO EXERCISE IN ELDERLY MEN  
Heisterberg, M.F. et al [Denmark]
- 18:30 OP-PM10-3  
MATTERS OF FIBRE SIZE AND MYONUCLEAR DOMAIN; DOES SIZE MATTER MORE THAN AGE?  
Karlsen, A. et al [Denmark]
- 18:45 OP-PM10-4  
NO RESISTANCE EXERCISE INDUCED MUSCLE PROTEIN SYNTHESIS RESPONSE IN ELDERLY MEN AS COMPARED TO YOUNG  
Reitelseder, S. et al [Denmark]
- 19:00 OP-PM10-5  
EFFECTS OF EXERCISE ON HAEMATOLOGICAL CHANGES OF ELDERLY PERSONS  
Uba Chupel, M. et al [Portugal]
- 19:15 OP-PM10-6  
ANABOLIC EFFECTS OF LIGHT LOAD RESISTANCE EXERCISE AND DISTRIBUTION OF PROTEIN INTAKE IN ELDERLY – WITH EMPHASIS ON MUSCLE PROTEIN SYNTHESIS REGULATION AND AMINO ACID TRANSPORTERS  
Agergaard, J. et al [Denmark]

**High Live 3 OP-PM14**

- Physiology: Interval training**  
Chair(s):  
Kalliokoski, K. [Finland]  
Mello, M. [Brazil]
- 18:15 OP-PM14-1  
HIGH-INTENSITY EXERCISE, LACTATE SHUTTLE THEORY AND TUMOUR METABOLISM – A THEORETICAL APPROACH  
Hofmann, P. [Austria]
- 18:30 OP-PM14-2  
HIGH INTENSITY INTERVAL TRAINING ATTENUATES INSULIN RESISTANCE INDUCED BY SLEEP DEPRIVATION  
Souza, J. et al [Brazil]
- 18:45 OP-PM14-3  
EFFECTS OF AGE AND SEX ON THE MECHANICAL CHARACTERISTICS OF THE KNEE JOINT EXTENSORS  
Wu, R. et al [Ireland]
- 19:00 OP-PM14-4  
EXERCISE INDUCED BRONCHOCONSTRICTION IN CHILDREN WITHOUT ASTHMA  
Westergren, T. et al [Norway]
- 19:15 OP-PM14-5  
EXERCISE EFFICIENCY IS INCREASED WITH AGE BUT NEITHER DETERMINED BY FIBRE-TYPE DISTRIBUTION, MITOCHONDRIAL FUNCTION NOR CITRATE SYNTHASE ACTIVITY  
Gehrig, S.M. et al [Switzerland]

**High Live 4 OP-PM68**

- Adapted Physical Activity: Physical disabilities**  
Chair(s):  
Apelmo, E. [Sweden]  
Lexell, J. [Sweden]
- 18:00 OP-PM68-1  
SPORT PARTICIPATION OF DISABLED CHILDREN IN KOSOVO  
Begaj, E. [Kosovo]
- 18:15 OP-PM68-2  
THE PROGRESSION OF SPRINT PERFORMANCES IN BLADE RUNNERS  
Terblanche, E. et al [South Africa]
- 18:30 OP-PM68-3  
ELITE ICE SLEDGE HOCKEY PLAYERS DO NOT DIFFER FROM ABLE-BODIED CROSS-COUNTRY SKIERS IN EXERCISE EFFICIENCY  
Baumgart, J.K. et al [Norway]
- 18:45 OP-PM68-4  
HOW CAN SPORT CLUBS FOR NON-DISABLED YOUTH INCLUDE CHILDREN AND ADOLESCENT WITH DISABILITIES?  
Jarlinder, K. et al [Sweden]
- Live 1 OP-PM56**
- Health & Fitness: Endurance**  
Chair(s):  
Pedersen, M. [Denmark]  
Boreham, C. [Ireland]
- 18:00 OP-PM56-1  
POSTURAL CONTROL AFTER ENDURANCE EXERCISES AT DISTINCT INTENSITIES  
Fischer, H. et al [Germany]
- 18:15 OP-PM56-2  
OXIDATIVE STRESS AND RUNNING ECONOMY  
Santos, J.M.B. et al [Brazil]

# Oral & Invited Presentations

18:30 OP-PM56-3  
ACUTE PHYSIOLOGICAL DIFFERENCES BETWEEN CYCLING AND RUNNING AT MATCHED OXYGEN UPTAKES  
Abrantes, C. et al [Portugal]

18:45 OP-PM56-4  
THE ASSOCIATION BETWEEN DAILY STEPS AND HEALTH: A PEDOMETER-BASED, CROSS-SECTIONAL STUDY IN AN EMPLOYED SOUTH AFRICAN POPULATION  
Pillay, J.D. [South Africa]

19:00 OP-PM56-5  
ICYCLE MESSENGERS: ANTHROPOMETRIC CHARACTERISTIC AND PERFORMANCE  
Casonato, S. et al [Italy]

## Live 2 OP-SH23

### Sociology/Sport management

Chair(s):  
Schenk, S. [Germany]  
Diketmüller, R. [Austria]

18:00 OP-SH23-1  
HUMAN RESOURCES IN GERMAN SPORTS ORGANIZATIONS: STRUCTURES, SYSTEMS, DEVELOPMENTS  
Werkmann, M. [Germany]

18:15 OP-SH23-2  
MONITORING AND EVALUATION AS STRATEGIC TOOL FOR PRAGRAMME EFFECTIVENESS  
Hollander, W. [South Africa]

18:30 OP-SH23-3  
PUBLIC VIEWING EVENT VISITORS AND THEIR CONTRIBUTION TO ECONOMIC AND TOURISM IMPACT – EVIDENCE FROM BERLIN DURING THE WORLD CUP 2014 IN BRAZIL  
Mielke, G. [Germany]

18:45 OP-SH23-4  
THE ONLINE MARKETING TOOLS USED BY HUNGARIAN FIRST DIVISION FOOTBALL CLUBS  
Kajos, A. et al [Hungary]

19:00 OP-SH23-5  
EFFECTIVENESS OF PROFESSIONAL HANDBALL CLUBS  
Baráth, K. et al [Hungary]

OP-SH23-6  
DIFFERENCES BETWEEN BALL POSSESSION ON WHEELCHAIR-ATHLETE ACTIVITIES IN RELATION TO FIELD POSITION IN WHEELCHAIR BASKETBALL  
de Witte, A. et al [Netherlands]

## Live 3 OP-SH16

### Physical Education & Pedagogics II

Chair(s):  
Larsson, H. [Sweden]  
Londos, M. [Sweden]

18:00 OP-SH16-1  
HUMAN PRACTISING IN PHYSICAL EDUCATION  
Larsson, H. [Sweden]

18:15 OP-SH16-2  
INCLUSION WITHIN SWEDISH PHYSICAL EDUCATION? PROBLEMATIZING THE TEXT SURROUNDING PHYSICAL EDUCATION AND THE EXPERIENCES OF IMMIGRANT YOUTH  
Knez, K. et al [Sweden]

18:30 OP-SH16-3  
DEVELOPMENT OF QUALITY PHYSICAL EDUCATION IN ASIAN SCHOOL – PERCEPTION AND ACHIEVEMENT  
Ho, W. [Macau]

18:45 OP-SH16-4  
STUDENTS' MOTIVATION TOWARDS PHYSICAL EDUCATION: INDIVIDUAL, CLASS-LEVEL AND TEACHER-LEVEL FACTORS  
Speleers, L. et al [Belgium]

19:00 OP-SH16-5  
INCLUSIVE PHYSICAL EDUCATION, WITH A FOCUS ON AUTONOMY, COMPETENCE AND RELATEDNESS  
Rostboell, S. et al [Denmark]

19:15 OP-SH16-6  
FORMATION PROCESS OF STUDENTS' PERCEPTIONS OF PHYSICAL EDUCATION  
Nakazawa, K. et al [Japan]

## Live 4 OP-PM22

### Physiology: Vascular biology

Chair(s):  
Green, D. [United Kingdom]  
Wollmer, P. [Sweden]

18:00 OP-PM22-1  
IMPROVED CAPILLARY ULTRASTRUCTURE AFTER EXERCISE TRAINING IN PATIENTS WITH ESSENTIAL HYPERTENSION  
Gliemann, L. et al [Denmark]

18:15 OP-PM22-2  
RESPONSES TO AN ISOMETRIC LEG-EXERCISE TEST PREDICTS SEX-SPECIFIC TRAINING-INDUCED REDUCTIONS IN RESTING BLOOD PRESSURE AFTER ISOMETRIC LEG TRAINING  
Baross, A. et al [United Kingdom]

18:30 OP-PM22-3  
THE MECHANISM OF EXERCISE LIMITATION IN ILIOFEMORAL VEIN OBSTRUCTION POST-DVT  
Reuveny, R. et al [Israel]

18:45 OP-PM22-4  
BREAKING UP PROLONGED SITTING TIME WITH LIGHT INTENSITY PHYSICAL ACTIVITY BREAKS DOES NOT IMPACT BRACHIAL ARTERY ENDOTHELIAL FUNCTION  
Hopkins, N. et al [United Kingdom]

19:00 OP-PM22-5  
EFFECT OF INFLAMMATION AND VITAMIN D ON HANDGRIP STRENGTH IN NON-INSTITUTIONALIZED OLDER ADULTS.  
Camões, M. [Portugal]

## Live 6 OP-PM41

### Training & Testing: Strength II

Chair(s):  
Andersen, J. [Denmark]  
Folland, J. [United Kingdom]

18:00 OP-PM41-1  
EFFECTS OF BODY POSITION ON FORCE EXERTED DURING SUSPENSION TRAINING  
Cortis, C. et al [Italy]

18:15 OP-PM41-2  
IS THE MUSCLE LAB FORCE-VELOCITY LINEAR ENCODER ABLE TO DETECT DIURNAL VARIATION IN MUSCLE FORCE OUTPUT?  
Robertson, C. et al [United Kingdom]

18:30 OP-PM41-3  
COLD WATER IMMERSION ATTENUATES PERFORMANCE INCREASES AND PROMOTES FAT LOSS FOLLOWING RESISTANCE TRAINING  
Petersen, A. et al [Australia]

18:45 OP-PM41-4  
HEAVY "HYPERTROPHIC" RESISTANCE TRAINING DOES NOT INDUCE IMPROVEMENTS IN RAPID FORCE PRODUCTION IN HEALTHY OLDER MEN  
Walker, S. [Finland]

19:00 OP-PM41-5  
COMBINED PLYOMETRIC AND STRENGTH TRAINING IS SUPERIOR TO ONLY STRENGTH TRAINING ON ON-ICE SPRINT PERFORMANCE, IN NORWEGIAN U18 AND U20 ICE HOCKEY PLAYERS.  
Dæhlin, T.E. et al [Norway]

19:15 OP-PM41-6  
EFFECTS OF RESISTANCE TRAINING WITH NONLINEAR PERIODIZATION ON CYTOKINES AND INSULIN RESISTANCE IN MEN WHO ARE MIDDLE-AGED AND OBESE  
Nikseresht, M. [Iran]

## Live 7 OP-PM24

### Physiology: Hormonal biology & Gender

Chair(s):  
Murray, A. [United Kingdom]  
Hoier, B. [Denmark]

18:00 OP-PM24-1  
RESPONSES OF CARDIAC AUTONOMIC NERVOUS ACTIVITY, STRESS HORMONES AND PROFILE OF MOOD STATE ON DIFFERENT TRAINING PERIODS OF ELITE CROSS-COUNTRY SKIERS  
Schäfer, D. et al [Switzerland]

18:15 OP-PM24-2  
THE EFFECTS OF MENSTRUAL CYCLE PHASE ON THE INCIDENCE OF PLATEAU AT VO2MAX  
Gordon, D. et al [United Kingdom]

18:30 OP-PM24-3  
COMPARISON BETWEEN MUSCLE ACTIVITY AND BLADDER MOVEMENT DURING VAGINAL PRESSURE CHANGE IN PAROUS WOMEN  
Kim, H. [Korea, South]

18:45 OP-PM24-4  
GUIDELINES TO CLASSIFY FEMALE SUBJECT GROUPS IN SPORT SCIENCE RESEARCH  
Decroix, L. et al [Belgium]

19:00 OP-PM24-5  
SERUM ZINC IS ASSOCIATED WITH PLASMA LEPTIN AND CU-ZN SOD IN ELITE MALE BASKETBALL ATHLETES  
Zhao, J. et al [China]

19:15 OP-PM24-6  
LONGITUDINAL ANALYSIS OF RENAL FUNCTION IN KIDNEY TRANSPLANTED SPORTSMEN  
Totti, V. et al [Italy]



**Live 8** **OP-BN11**

**Skill acquisition**

- Chair(s):
- Geertsen, S. [Denmark]
- Cesari, P. [Italy]
- 18:00 **OP-BN11-1**  
DEVELOPMENT OF A NOVEL SKILL ADAPTABILITY TEST FOR TALENT IDENTIFICATION IN TENNIS  
Potter, A. et al [Australia]
- 18:15 **OP-BN11-2**  
INTERMANUAL TRANSFER MECHANISMS OF FORCE FIELD ADAPTATION  
Stockinger, C. et al [Germany]
- 18:30 **OP-BN11-3**  
MOTOR MEMORY CONSOLIDATION LEADS TO ENHANCED GAMMA BAND POWER IN THE EEG  
Thürer, B. et al [Germany]
- 18:45 **OP-BN11-4**  
EFFECTS OF DIFFERENTIAL LEARNING, HIGH, AND INCREASING CONTEXTUAL INTERFERENCE ON ACQUISITION AND LEARNING OF A BASKETBALL TASK  
Beckmann, H. et al [Germany]
- 19:00 **OP-BN11-5**  
MENTAL FATIGUE ALTERS THE DURATION OF GOAL-DIRECTED MOVEMENTS  
Rozand, V. et al [France]

**Live 10** **OP-SH12**

**Sports History**

- Chair(s):
- Norberg, J. [Sweden]
- Andersson, T. [Sweden]
- 18:00 **OP-SH12-1**  
FROM PUBLIC HEALTH TO "HEALTHISM"? NEW FEMININITIES AND MASCULINITIES IN HEALTH AND FITNESS FROM 1970  
Tolvhed, H. [Sweden]

18:15 **OP-SH12-2**  
'WE CAN WRITE NEW HISTORY HERE'. PERFORMING HISTORY IN THE FOOTBALL ENVIRONMENT  
Herd, K. [Sweden]

18:30 **OP-SH12-3**  
A REPERTOIRE OF POSSIBILITIES: VISUALIZED MASCULINITIES IN A SWEDISH SPORTS CLUB 1908-89  
Alsarve, D. [Sweden]

18:45 **OP-SH12-4**  
A PLACE IN THE SUN OR STANDING IN THE SHADOWS OF A GLORIOUS PAST? IDENTITY FORMATION AND FOOTBALL FAN CULTURE IN EAST-GERMANY.  
Glaser, J. [Sweden]

19:00 **OP-SH12-5**  
THE DIFFICULTY OF HITTING TWO BIRDS WITH ONE STONE – FOSTERING COMPETITIVE ATHLETES AND DEMOCRATIC CITIZENS IN A SWEDISH SPORTS CLUB BETWEEN THE 1960S AND 1980S  
Svensson, R. et al [Sweden]

19:15 **OP-SH12-6**  
EARLY SCIENTIFIC INVESTIGATIONS IN YOGA: THE MILES-BEHANAN COLLABORATION  
Mookerjee, S. et al [United States]

**Friday, June 26th**  
**08:30 - 10:00**

**High Live 1** **OP-PM65**

**Nutrition: Hydration**

- Chair(s):
- Cotter, J. [New Zealand]
- Carter, J. [United Kingdom]
- 08:30 **OP-PM65-1**  
THE EFFECT OF DEHYDRATION ON SIMULATED MOTOR RACING PERFORMANCE.  
Mollica, J.A. et al [Australia]

08:45 **OP-PM65-2**  
PRE-HYDRATATION STATUS, FLUID AND ELECTROLYTE BALANCE IN ELITE SOCCER PLAYERS TO DIFFERENT TRAINING SESSIONS  
Boone, J. et al [Belgium]

09:00 **OP-PM65-3**  
ALCOHOL CONSUMPTION DURING THE POST-EXERCISE PERIOD: EFFECTS ON BLOOD RHEOLOGY.  
Simmonds, M. et al [Australia]

09:15 **OP-PM65-4**  
IMMUNE RESPONSES AND DIETARY INTAKE OF ELITE RUGBY UNION PLAYERS DURING PRE-SEASON TRAINING  
Tester, E. et al [United Kingdom]

**Kuben** **OP-PM31**

**Sports Medicine & Orthopedics: Physiotherapy II**

- Chair(s):
- Crossley, K. [Australia]
- Ageberg, E. [Sweden]
- 08:30 **OP-PM31-1**  
TRAINING IN A MINIMALIST SHOE INCREASES ANKLE JOINT LOADING AND 5KM RUNNING PERFORMANCE  
Fuller, J. et al [Australia]
- 08:45 **OP-PM31-2**  
COMPARISON OF HAMSTRINGS/QUADRICEPS CONVENTIONAL RATIO IN HIGH SCHOOL STUDENTS FROM 12-16 YEARS  
Fagnani, P.L. et al [Spain]

09:15 **OP-PM31-4**  
EMG ACTIVITY OF THE UPPER TRAPEZIUS, LOWER TRAPEZIUS AND SERRATUS ANTERIOR IN ASYMPTOMATIC COLLEGE BASEBALL PLAYERS AND ONE CASE IN A PITCHER WITH SCAPULAR DYSKINESIS  
Tsuruike, M. et al [United States]

09:30 **OP-PM31-5**  
UPPER AND LOWER EXTREMITY EXPLOSIVE POWER AND MOVEMENT QUALITY IN MALE AND FEMALE

YOUTH TEAM HANDBALL PLAYERS  
Jess, L. et al [Sweden]

09:45 **OP-PM31-6**  
EFFECT OF WEIGHT-BEARING EXERCISE ON FORE-ARM BONE SITES OF HANDBALL AND SOCCER FEMALE PLAYERS  
Boshnjaku, A. et al [Kosovo]

**High Live 2** **OP-PM27**

**Sports Medicine & Orthopedics: Orthopedics I**

- Chair(s):
- Gil, S. [Spain]
- Collins, M. [South Africa]
- 08:30 **OP-PM27-1**  
NO INTEREST FOR A SECOND CLOSELY-TIMED INFILTRATION OF PLATELET-RICH PLASMA TO TREAT JUMPER'S KNEES  
Kaux, J.F. et al [Belgium]
- 08:45 **OP-PM27-2**  
ACUTE AND OVERUSE INJURIES IN SWISS ORIENTEERING ATHLETES  
Roos, L. et al [Switzerland]
- 09:00 **OP-PM27-3**  
ALTERED LUMBO-PELVIC CONTROL IN INDIVIDUALS WITH PATELLOFEMORAL PAIN SYNDROME  
Cowan, S. et al [Australia]

09:15 **OP-PM27-4**  
ONE WEEK OF HOSPITAL ADMISSION FOLLOWING ELECTIVE HIP SURGERY INDUCES SUBSTANTIAL MUSCLE ATROPHY IN OLDER PATIENTS  
Kouw, I.W.K. et al [Netherlands]

09:30 **OP-PM27-5**  
EFFECTS OF ANKLE SUPPORT ON THE GROUND REACTION FORCE DURING THE REPEATED SIDE STEP  
Koyama, K. et al [Japan]

09:45 **OP-PM27-6**  
LOW BACK AND NECK & SHOULDER PAIN IN ADOLESCENT SPORTS CLUB PARTICIPANTS AND NON-

PARTICIPANTS. THE NATIONAL HEALTH PROMOTING SPORTS CLUB <HPSC> STUDY.  
Rossi, M. et al [Finland]

**High Live 3** **OP-PM15**

**Physiology: Hypoxia**

- Chair(s):
- Nordsborg, N. [Denmark]
- Dehnert, C. [Switzerland]
- 08:30 **OP-PM15-1**  
EFFECTS OF ALTITUDE ACCLIMATIZATION ON SPLEEN VOLUME AND CONTRACTION DURING SUBMAXIMAL AND MAXIMAL WORK IN LOWLANDERS  
Rodríguez-Zamora, L. et al [Sweden]
- 08:45 **OP-PM15-2**  
SIMILAR INCREASE IN HEMOGLOBIN MASS WITH "LIVE HIGH TRAIN LOW" IN NORMOBARIC AND HYPOBARIC HYPOXIA  
Hauser, A. et al [Switzerland]
- 09:00 **OP-PM15-3**  
LUNG FLUID BALANCE IN HEALTHY HUMANS ACCLIMATING TO HIGH-ALTITUDE  
Taylor, B. et al [United Kingdom]
- 09:15 **OP-PM15-4**  
THE EFFECT OF LIVE HIGH TRAIN LOW ALTITUDE EXPOSURE ON THE POST-EXERCISE HEPICIDIN RESPONSE  
Govus, A.D. et al [Australia]

# Oral & Invited Presentations

## High Live 4

## OP-PM69

### Adapted Physical Activity: Mental disabilities

Chair(s):

Apelmo, E. [Sweden]

Wollmer, P. [Sweden]

08:30 OP-PM69-1  
SUICIDE PREVENTION THROUGH SPORTS PARTICIPATION. QUANTITATIVE RESEARCH OVERVIEW  
Van Coppenolle, H. et al [Belgium]

08:45 OP-PM69-2  
A THEMATIC ANALYSIS OF HIGH PERFORMANCE COACHING ROLES AT THE SPECIAL OLYMPICS WORLD GAMES  
Hassan, D. et al [United Kingdom]

09:00 OP-PM69-3  
MIDDLE SCHOOL STUDENTS' ACCEPTANCE ATTITUDE TOWARD THEIR MENTALLY RETARDED PEERS AFTER COOPERATIVE LEARNING AT AN INCLUSIVE PHYSICAL EDUCATION CLASS  
Liu, S. [Taiwan]

## Live 1

## OP-PM74

### Molecular Biology and Biochemistry: Fatigue

Chair(s):

Place, N. [Switzerland]

Zijdewind, I. [Netherlands]

08:30 OP-PM74-1  
CORTICAL EXCITABILITY, VOLUNTARY ACTIVATION, AND QUADRICEPS STRENGTH CHANGES AFTER MAXIMAL INTENSITY PLYOMETRIC EXERCISE  
Vácz, M. et al [Hungary]

08:45 OP-PM74-2  
TWO MAXIMAL ISOMETRIC CONTRACTIONS REDUCE MUSCLE DAMAGE AFTER 30 MAXIMAL ECCENTRIC CONTRACTIONS OF CONTRALATERAL ARM  
Nosaka, K. et al [Australia]

09:00 OP-PM74-3  
EFFECT OF NEUROMUSCULAR ELECTRICAL STIMULATION FREQUENCY ON VOLUNTARY NEURAL DRIVE  
Grospretre, S. et al [France]

09:30 OP-PM74-4  
INTERMITTENT THETA BURST OVER M1 CAN IMPROVE THE PEAK POWER IN A WINGATE TEST AND SUPPRESS THE SUBSEQUENT SUPRASPINAL FATIGUE  
Giboin, L. et al [Germany]

09:45 OP-PM74-5  
HETEROGENEOUS MUSCLE ACTIVITY DURING ISOMETRIC CONTRACTION – A VE-PC MRI STUDY  
Csapo, R. et al [Austria]

## Live 2

## OP-SH13

### Sociology/Psychology (Talent identification)

Chair(s):

Henrik, G. [Sweden]

Peterson, T. [Sweden]

08:30 OP-SH13-1  
IDENTIFYING TALENT: THE CASE OF THE SWEDISH FOOTBALL ASSOCIATION  
Lund, S. et al [Sweden]

08:45 OP-SH13-2  
TALENT SELECTION IN SWEDISH YOUTH FOOTBALL: THE RELATIVE AGE EFFECT AND PARENTAL SUPPORT  
Renström, A. et al [Sweden]

09:00 OP-SH13-3  
PARTICIPATION IN NON-ELITE SPORT IN EARLY ADULTHOOD: THE IMPACT OF ATHLETIC ABILITY IN CHILDHOOD AND ADOLESCENCE  
Söderström, T. et al [Sweden]

09:15 OP-SH13-4  
A SOCIAL LEARNING PERSPECTIVE ON SUCCESSFUL TALENT DEVELOPMENT ENVIRONMENTS: A QUALITATIVE STUDY OF TWO EXCEPTIONAL HANDBALL CLUBS IN SCANDINAVIA  
Storm, L.K. et al [Denmark]

09:30 OP-SH13-5  
PARENTAL CREATED MOTIVATIONAL CLIMATE AND WELL-BEING AMONG YOUTH ELITE ATHLETES  
Holmstrom, S. et al [Sweden]

09:45 OP-SH13-6  
SWEDISH JUNIOR ATHLETES' PERSONAL PROFILES IN RELATION TO THE DYNAMICS OF ADJUSTMENT IN THE JUNIOR-TO-SENIOR TRANSITION  
Franck, A. et al [Sweden]

## Live 3

## OP-SH14

### Sociology: Sport media

Chair(s):

Besnier, N. [Netherlands]

Knez, K. [Sweden]

08:30 OP-SH14-1  
GREENING JOURNALISM EDUCATION  
Krovel, R. [Norway]

08:45 OP-SH14-2  
ATTITUDES TO ENVIRONMENTAL SUSTAINABILITY OF FOOTBALL FANS IN ENGLAND: A CASE STUDY  
Kiernan, A. [United Kingdom]

09:00 OP-SH14-3  
WHERE THE GRASS IS ALWAYS GREENER: FOOTBALL FANS TALKING &#8209; AND NOT TALKING &#8209; ABOUT ENVIRONMENTAL ISSUES  
Sandvoss, C. [United Kingdom]

09:15 OP-SH14-4  
FLATSCREENING FOOTBALL: ECOLOGICAL PERSPECTIVES ON ELECTRONIC SPECTATORSHIP  
Vestberg, N.L. et al [Norway]

09:30 OP-SH14-5  
MEDIA COVERAGE OF THE OLYMPIC GAMES – LONDON 2012 IN BRAZIL: A COMPARISON BETWEEN SOCCER AND AND THE MAIN BRAZILIAN OLYMPIC SPORTS  
Rocco Jr, A. [Brazil]

OP-SH14-6  
THE FANS CAN: A SWEDISH CASE STUDY  
Radmann, A. et al [Sweden]

## Live 4

## OP-PM37

### Training & Testing: Endurance I

Chair(s):

Kalliokoski, K. [Finland]

Fritzdorf, S. [Sweden]

08:30 OP-PM37-1  
EFFECT OF SOCIO-GEOGRAPHICAL VARIABLES ON SEASONAL PERIODISATION OF TRAINING LOAD IN AUSTRALIAN AND EUROPEAN PROFESSIONAL CYCLISTS  
Menaspá, P. et al [Australia]

08:45 OP-PM37-2  
CADENCES EFFECT ON ENERGY EFFICIENCY DURING SUBMAXIMAL INTENSITY IN ERGOMETER KAYAKING  
Pedersen, A. et al [Denmark]

09:00 OP-PM37-3  
CHRONIC EFFECTS OF SUPERIMPOSED ELECTROMYOSTIMULATION DURING CYCLING ON AEROBIC AND ANAEROBIC CAPACITY  
Mathes, S. et al [Germany]

09:15 OP-PM37-4  
NORDIC WALKING AND TIRE-PULLING – CONCURRENT AEROBIC AND ENDURANCE STRENGTH TRAINING? A RANDOMISED CONTROLLED STUDY  
Mamen, A. et al [Norway]

09:30 OP-PM37-5  
A COMPARISON OF TRAINING LOAD GUIDED VS. CONVENTIONAL ENDURANCE TRAINING IN RECREATIONAL ENDURANCE RUNNERS  
Schumann, M. et al [Finland]

## Live 5

## OP-BN05

### Kinematics

Chair(s):

Seifert, L. [France]

Schwameder, H. [Austria]

08:30 OP-BN05-1  
DOES HEAT STRESS MODIFY THE BIOMECHANICAL MANIFESTATION OF FATIGUE DURING REPEATED RUNNING SPRINTS?  
Girard, O. et al [Switzerland]

08:45 OP-BN05-2  
BIOMECHANICAL ANALYSIS OF ELITE SPRINT KAYAKER USING FIXED AND SWIVEL SEAT: A PILOT STUDY  
Lok, Y.L. et al [Australia]

09:00 OP-BN05-3  
VALIDATION OF MEASURING ROWERS' CENTRE OF MASS ACCELERATION IN ROWING DIRECTION WITH INERTIAL SENSORS  
Lintmeijer, L.L. et al [Netherlands]

09:15 OP-BN05-4  
QUANTITATIVE COMPARISON OF ROWING BIOMECHANICS CAPTURED ON WATER AND ON A DYNAMIC ERGOMETER  
Harfield, P. et al [United Kingdom]

09:30 OP-BN05-5  
DETECTING FATIGUE IN RESISTANCE TRAINING USING ACCELEROMETRY AND PCA  
Brown, N. et al [Germany]

## Live 8

## OP-BN08

### Balance & Stability, Coordination

Chair(s):

Pedersen, M. [Denmark]

Thomas, R. [Denmark]

08:30 OP-BN08-1  
PREDICTING THE ROLE OF KNEE JOINT MUSCLES IN JOINT STABILIZATION FROM EXTERNAL MOMENTS  
Flaxman, T.E. et al [Canada]

08:45 OP-BN08-2  
SQUAT VARIATION FOR PREFERENTIAL UNILATERAL QUADRICEPS LOADING  
Jean, L.M.Y. et al [Canada]

09:00 OP-BN08-3  
UNSTABLE FOOTWEAR DECREASES COMPLEXITY OF POSTURAL CONTROL  
Buchecker, M. et al [Austria]

09:15 OP-BN08-4  
STATIC POSTURAL CONTROL DOES NOT STRONGLY PREDICT DYNAMIC GAIT STABILITY RECOVERY FOLLOWING A TRIP IN ADULTS WITH AND WITHOUT VESTIBULAR DYSFUNCTION  
McCrum, C. et al [Netherlands]

09:30 OP-BN08-5  
THE EFFECT OF AN 8-WEEK CORE-STABILITY PROGRAM ON COORDINATION DYNAMICS AND KICKING SPEED IN FEMALE SOCCER PLAYERS.  
Serrien, B. et al [Belgium]

09:45 OP-BN08-6  
THE EFFECT OF FORCE-CONTROLLED BITING ON MOTOR CONTROL – EXPERIMENTAL STUDIES UNDER LABORATORY AND FIELD CONDITIONS  
Ringhof, S. et al [Germany]

**Live 10** **OP-SH17**

**Physical Education & Pedagogics III**

Chair(s):  
Schneider, A. [Canada]  
Diketmüller, R. [Austria]

08:30 OP-SH17-1  
GIVING THE ATHLETE A VOICE: PRELIMINARY FINDINGS OF THE MY SPORTING JOURNEY QUESTIONNAIRE.  
Juniita, W. et al [Australia]

08:45 OP-SH17-2  
RELATIVE AGE EFFECT AND PHYSICAL GROWTH ON PHYSICAL EDUCATION ATTAINMENT  
Dalen, T. et al [Norway]

09:00 OP-SH17-3  
THE EFFECTIVENESS OF INTER-PROFESSIONAL SIMULATED-PATIENT BASED SIMULATION IN DEVELOPING EXERCISE PHYSIOLOGY STUDENT INDUSTRY READINESS  
Reeves, N. et al [Australia]

09:15 OP-SH17-4  
LYING IN BETWEEN. ABOUT THE CONTINGENCY OF CROSSING.  
Roscher, M. [Germany]

09:30 OP-SH17-5  
WHO PARTICIPATE AND WHY?: YOUTH PARTICIPATION IN SWEDISH CLUB SPORTS  
Thedin Jakobsson, B. [Sweden]

**Friday, June 26th**  
**10:20 - 11:50**

**High Live 1** **IS-PM11**

**ECSS - ACSM EXCHANGE SYMPOSIUM : THE MARATHON AND THE HEART - THE GOOD, THE BAD, AND THE UNKNOWN**

Chair(s):  
Meeusen, R. [Belgium]

10:20 IS-PM11-1  
TOO MUCH PRESSURE ON THE PUMP?  
George, K. et al [United Kingdom]

10:50 IS-PM11-2  
DYING ON THE STREETS?  
Roberts, W. et al [United States]

**Kuben** **IS-PM04**

**EFFECTS OF EXERCISE ON BRAIN FUNCTION, LEARNING AND MEMORY**

Chair(s):  
Lundbye-Jensen, J. [Denmark]

10:20 IS-PM04-1  
NEURAL EFFECTS OF EXERCISE ON LEARNING AND PROBLEM SOLVING IN THE INTACT AND BRAIN INJURED INDIVIDUAL  
Mogensen, J. [Denmark]

10:50 IS-PM04-2  
EPIDEMIOLOGICAL STUDIES OF THE IMPORTANCE OF CARDIOVASCULAR FITNESS FOR COGNITIVE ABILITY AND NEUROPROTECTION.  
Aberg, M. [Sweden]

11:20 IS-PM04-3  
EFFECTS OF EXERCISE INTERVENTIONS ON HUMAN MOTOR LEARNING, COGNITIVE FUNCTIONS AND MEMORY  
Lundbye-Jensen, J. [Denmark]

**High Live 2** **IS-PM03**

**FEMALE SEX HORMONES AND SKELETAL MUSCLE \***

Chair(s):  
Hansen, M. [Denmark]

10:20 IS-PM03-1  
HORMONE REPLACEMENT THERAPY – EFFECT ON MUSCLE MASS AND MUSCLE FUNCTION  
Sipilä, S. et al [Finland]

10:50 IS-PM03-2  
ORAL CONTRACEPTIVES – EFFECT ON SKELETAL MUSCLE AND TENDON PROTEIN TURNOVER AND BIOMECHANICAL PROPERTIES  
Hansen, M. [Denmark]

11:20 IS-PM03-3  
ESTROGEN REPLACEMENT AND SKELETAL MUSCLE: MECHANISMS AND POPULATION HEALTH  
Tiidus, P. [Canada]

**High Live 3** **OP-PM16**

**Physiology: Fatigue**

Chair(s):  
He, z. [China]  
Lamberts, R. [South Africa]

10:20 OP-PM16-1  
PACING DIFFERS BETWEEN TIME- AND DISTANCE-BASED TRIALS  
Abbiss, C.R. et al [Australia]

10:35 OP-PM16-2  
THE EFFECT OF A SLEEP HYGIENE PROTOCOL ON PHYSICAL RECOVERY FOLLOWING A LATE-NIGHT MATCH IN FOOTBALL PLAYERS  
Fullagar, H.H.K. et al [Germany]

10:50 OP-PM16-3  
EFFECT OF PROGRESSIVE NORMOBARIC HYPOXIA ON DYNAMIC CEREBRAL AUTOREGULATION  
Horiuchi, M. et al [Japan]

11:05 OP-PM16-4  
ENDURANCE EXERCISE INCREASES PLASMA KYNURENIC ACID IN HUMANS  
Schlittler, M. [Sweden]

11:20 OP-PM16-5  
EFFECTS OF ACUTE DIGOXIN INTAKE ON SKELETAL MUSCLE NA<sup>+</sup>,K<sup>+</sup>-ATPASE CONTENT, PLASMA K<sup>+</sup> REGULATION AND FATIGUE DURING INTENSE EXERCISE IN HEALTHY YOUNG ADULTS  
Atanasovska, T. et al [Australia]

**High Live 4** **IS-BN02**

**SPORT EXPERTISE: PUTTING BRAIN, BODY, AND ENVIRONMENT TOGETHER AGAIN**

Chair(s):  
Araujo, D. [Portugal]

10:20 IS-BN02-1  
EXPERTS EXPLOIT NEUROBIOLOGICAL DEGENERACY IN MULTI-ARTICULAR SKILLS  
Seifert, L. [France]

10:50 IS-BN02-2  
ACTION ANTICIPATION AND ACTION PLANNING IN ELITE ATHLETES: EVIDENCES FROM PSYCHOPHYSICS AND TRANSCRANIAL STIMULATIONS STUDIES  
Cesari, P. [Italy]

11:20 IS-BN02-3  
AN ECOLOGICAL DYNAMICS VIEW OF SOCIAL COORDINATION: GOING BEYOND A TEAM OF EXPERTS TOWARDS AN EXPERT TEAM  
Araujo, D. [Portugal]

**Live 1** **IS-BN03**

**THE WORKPLACE AS ARENA FOR HEALTH ENHANCING PHYSICAL ACTIVITY INTERVENTIONS. QUANTIFICATION AND HOW TO REACH THOSE MOST IN NEED**

Chair(s):  
Søgaard, K. [Denmark]

10:20 IS-BN03-1  
DESIGNING WORKPLACE PHYSICAL EXERCISE TRAINING INTERVENTIONS TAILORED TO OCCUPATIONAL EXPOSURE.  
Søgaard, K. [Denmark]

10:50 IS-BN03-2  
'OCCUPATIONAL PHYSICAL ACTIVITY – QUANTITY AND ROLE IN A HEALTH PERSPECTIVE  
Ainsworth, B. [United States]

11:20 IS-BN03-3  
WORKPLACE PHYSICAL ACTIVITY INTERVENTIONS IN A COST-EFFECTIVENESS PERSPECTIVE.  
van Mechelen, W. et al [Netherlands]

**Live 2** **IS-SH04**

**RELATIVE AGE EFFECTS IN YOUTH SPORT: INSIGHTS FROM PHYSIOLOGICAL, PSYCHOLOGICAL, AND SOCIOLOGICAL**

# Oral & Invited Presentations

## PERSPECTIVES

Chair(s):

Cobley, S. [Australia]

10:20 IS-SH04-1  
RELATIVE AGE EFFECTS - A PSYCHOLOGICAL PERSPECTIVE

Cobley, S. [Australia]

10:50 IS-SH04-2  
THE RELATIVE AGE EFFECT FROM THE PHYSIOLOGICAL AND PERFORMANCE PERSPECTIVE

Gil, S.M. [Spain]

11:20 IS-SH04-3  
RELATIVE AGE EFFECT FROM A SOCIOLOGICAL PERSPECTIVE

Petersson, T. [Sweden]

## Live 3 IS-SH09

### SPORTS LABOUR MOBILITY AND THE POLITICS OF PRECARIY

Chair(s):

Agergaard, S. [Denmark]

10:20 IS-SH09-1  
GLOBALIZATION, SPORTS AND THE PRECARIY OF MASCULINITY

Besnier, N. [Netherlands]

10:50 IS-SH09-2  
THE CIRCULATION OF BRAZILIAN FOOTBALL PLAYERS

Rial, C. [Brazil]

11:20 IS-SH09-3  
PRECARIOUS ISSUES IN WOMEN'S FOOTBALL MIGRATION

Agergaard, S. [Denmark]

## Live 4 OP-PM38

### Training & Testing: Endurance II

Chair(s):

Bishop, D. [Australia]

Fritzdorf, S. [Sweden]

10:20 OP-PM38-1  
CORRELATION BETWEEN OXYGEN CONSUMPTION AND ACCELEROMETER COUNTS AT DIFFERENT PLACEMENTS DURING RUNNING

Poulsen, M.K. et al [Denmark]

10:35 OP-PM38-2  
TEST PROTOCOL OPTIMIZATION OF THE HEART RATE-BASED LACTATE MINIMUM TEST

Perret, C. et al [Switzerland]

10:50 OP-PM38-3  
PREDICTION OF ELITE TRIATHLON PERFORMANCE BY MULTIPLE LINEAR REGRESSION MODELS

Hoffmann, M. et al [Germany]

11:05 OP-PM38-4  
VALIDATION OF MODIFIED D-MAX METHOD FOR CALCULATING INDIVIDUAL ANAEROBIC THRESHOLD IN WELL TRAINED MALE CYCLISTS

Flockhart, M. et al [Sweden]

11:20 OP-PM38-5  
CONVENTIONAL CRITICAL POWER TEST PREDICTS 16.1 KM ROAD TIME TRIAL PERFORMANCE

Morgan, P.T. et al [United Kingdom]

11:35 OP-PM38-6  
RELATIONSHIP OF PHYSIOLOGICAL FACTOR CHANGES IN JAPANESE UNIVERSITY DISTANCE RUNNERS

Tanji, F. et al [Japan]

## Live 5 OP-PM70

### Molecular Biology and Biochemistry: Epigenetics

Chair(s):

Collins, M. [South Africa]

Christiansen, L. [Denmark]

10:20 OP-PM70-1  
APOE GENE VARIANTS AND CONCUSSION SEVERITY

September, A.V. et al [South Africa]

10:35 OP-PM70-2  
GENDER DIFFERENCES IN MAXIMAL MITOCHONDRIAL RESPIRATORY CAPACITY IN ADIPOSE TISSUE BUT NOT IN MUSCLE AFTER INTENSIVE LIFESTYLE INTERVENTION

Dandanell, S. et al [Denmark]

10:50 OP-PM70-3  
THE INDIVIDUAL AND COMBINED ASSOCIATION BETWEEN MULTIPLE GENE POLYMORPHISMS AND ELITE ENDURANCE ATHLETE STATUS

Lockey, S.J. et al [United Kingdom]

11:05 OP-PM70-4  
ENDURANCE TRAINING-STIMULATED FDNC5/IRISIN INDUCES BEIGE ADIPOSE-LIKE PHENOTYPE IN VISCERAL ADIPOSE TISSUE OF OBESE RATS

Rocha-Rodrigues, S. [Portugal]

## Live 6 OP-PM42

### Training & Testing: Strength III

Chair(s):

Place, N. [Switzerland]

Andersen, J. [Denmark]

10:20 OP-PM42-1  
ASSESSMENT OF ISOKINETIC KNEE STRENGTH AND ITS RELATIONSHIP WITH VERTICAL JUMP AND POWER IN YOUTH BASKETBALL PLAYERS

Michaelides, M. et al [Cyprus]

10:35 OP-PM42-2  
VALIDATION OF ISOMETRIC STRENGTH-TESTING DEVICES FOR DIFFERENT ANKLE MOVEMENTS

Bavdek, R. et al [Slovenia]

10:50 OP-PM42-3  
SEX DIFFERENCES IN MEASURES OF POWER AND VELOCITY DURING DEADLIFTING

Jones, M.T. et al [United States]

11:05 OP-PM42-4  
HEAVY STRENGTH TRAINING DOES NOT AFFECT PERFORMANCE IN JUNIOR FEMALE CROSS-COUNTRY SKIERS

Losnegard, T. et al [Norway]

11:20 OP-PM42-5  
STRETCH INDUCED MUSCLE HYPERTROPHY IN THE HUMAN TRICEPS SURAE OF YOUNG MALES

Simpson, C.L. et al [Canada]

11:35 OP-PM42-6  
CONTRIBUTION OF LEG MUSCLE FORCES TO PADDLE STROKE FORCE AND KAYAK SPEED DURING MAXIMAL EFFORT FLAT-WATER PADDLING AMONG ELITE KAYAKERS

Rosdahl, H. et al [Sweden]

## Live 7 OP-PM23

### Physiology: Energy metabolism

Chair(s):

Fujita, S. [Japan]

Carter, J. [United Kingdom]

10:20 OP-PM23-1  
GREATER FAT UTILISATION DURING ECCENTRIC CYCLING THAN CONCENTRIC CYCLING

Posthumus, M. et al [South Africa]

10:35 OP-PM23-2  
ULTRA ENDURANCE EXERCISE AND CHANGES IN LEAN MASS

Furber, M.J.W. et al [United Kingdom]

10:50 OP-PM23-3  
DIETARY COUNSELING INTERVENTION DECREASED CARDIOMETABOLIC RISK IN MALE HEAVYWEIGHT JUDO ATHLETES

Murata, H. et al [Japan]

11:05 OP-PM23-4  
THE ACUTE EFFECTS OF BEETROOT JUICE ON SUB-MAXIMAL EXERCISE EFFICIENCY AND SKELETAL MUSCLE METABOLISM IN RECREATIONALLY ACTIVE MALES

Betteridge, S. et al [Australia]

11:20 OP-PM23-5  
ONE WEEK OF BED-REST SUBSTANTIALLY REDUCES MUSCLE MASS AND INDUCES INSULIN RESISTANCE IN HEALTHY MALES

Dirks, M.L. et al [Netherlands]

11:35 OP-PM23-6  
THE INFLUENCE OF BLOOD DONATION ON ENERGY CONTRIBUTION AND PACING DURING MIDDLE DISTANCE CYCLING

Lawler, N.G. et al [Australia]

## Live 8 OP-BN10

### Motor learning, Coordination

Chair(s):

Ritzmann, R. [Germany]

Taube, W. [Switzerland]

10:20 OP-BN10-1  
POSTURAL THREAT INFLUENCES NEURAL CONTROL OF UPRIGHT STANDING IN YOUNG AND ELDERLY ADULTS

Johannsson, J. et al [Belgium]

10:35 OP-BN10-2  
CONTRIBUTION OF VISUAL AND PROPRIOCEPTIVE INFORMATION IN POSTURAL CONTROL DIFFERS WITH AGE

Penzer, F. et al [Belgium]

10:50 OP-BN10-3  
THE INFLUENCE OF AN EXTERNAL FOCUS OF ATTENTION VERSUS INTERNAL FOCUS OF ATTENTION WITH REGARD TO MOTOR LEARNING AND SKILL

ACQUISITION FOR ANTERIOR CRUCIATE LIGAMENT INJURY PREVENTION.  
Pantano, K. [United States]

11:05 OP-BN10-4  
GENERALISED JOINT HYPERMOBILITY IN ELITE LEVEL ADOLESCENT ATHLETES – BENEFICIAL OR PROBLEMATIC IN RELATION TO INJURY, PAIN, PHYSICAL FUNCTIONING AND QUALITY OF LIFE?  
Schmidt, H. et al [Denmark]

11:20 OP-BN10-5  
NEITHER VOLUNTARY MUSCLE ACTIVATION NOR STRETCH TOLERANCE IS A LIMITING FACTOR TO ANKLE JOINT RANGE OF MOTION  
Yoshikawa, A. et al [Japan]

**Live 10 OP-SH18**

**Sport participation, development and exercise**

Chair(s):  
Bryden, P. [Canada]  
Ericsson, I. [Sweden]

10:20 OP-SH18-1  
INQUIRY BASED LEARNING AS PEDAGOGICAL APPROACH TO ENHANCE REFLECTIVE PRACTICE IN PHYSICAL EDUCATION TEACHER EDUCATION <PETE>  
Østergaard, L.D. [Denmark]

10:35 OP-SH18-2  
'THERE ARE NO RIGHT OR WRONG WAYS' - PE TEACHERS USING EXPRESSIVE DANCE AS A LEARNING TOOL WITHIN PHYSICAL EDUCATION.  
Mattsson, T. [Sweden]

10:50 OP-SH18-3  
PHYSICAL LITERACY THROUGH DANCE EDUCATION  
Cheung, S.T.J. [Hong Kong]

11:05 OP-SH18-4  
CHALLENGES FOR INTERVENTION RESEARCH IN HEALTH AND LIFESTYLE RESEARCH – A SYSTEMATIC META-LITERATURE REVIEW  
Kristén, L. et al [Sweden]

11:20 OP-SH18-5  
THE EFFECTS OF PHYSICAL ACTIVITY IN PRIMARY SCHOOLS ON ACADEMIC PERFORMANCE  
Collard, D. et al [Netherlands]

**Friday, June 26th  
16:20 - 17:50**

**High Live 1 IS-PM08**

**TEAM SPORT & HEALTH \***

Chair(s):  
Krustrup, P. [Denmark]

16:20 IS-PM08-1  
PLAYING FOOTBALL TO PREVENT CHRONIC DISEASES  
Krustrup, P. [Denmark]

16:50 IS-PM08-2  
FOOTBALL FANS IN TRAINING <FFIT>: A WEIGHT LOSS AND HEALTHY LIVING PROGRAMME DELIVERED TO MEN AGED 35-65 BY SCOTTISH PREMIER LEAGUE FOOTBALL CLUBS  
Hunt, K. [United Kingdom]

17:20 IS-PM08-3  
PROSTATE CANCER PATIENTS' EXPERIENCES WITH PARTICIPATION IN FOOTBALL – A QUALITATIVE INVESTIGATION OF THE 'FC PROSTATE' RANDOMIZED CONTROLLED TRIAL  
Midtgaard, J. et al [Denmark]

**Kuben OP-PM17**

**Physiology: Cardiovascular II**

Chair(s):  
Wollmer, P. [Sweden]  
Aagaard, P. [Denmark]

16:20 OP-PM17-1  
THE EFFECT OF RAST ANAEROBIC TEST ON CIRCULATING HEMATOPOIETIC AND ENDOTHELIAL PROGENITOR CELLS IN ATHLETES  
Shady, K. et al [Egypt]

16:35 OP-PM17-2  
ISCHEMIC PRECONDITIONING REDUCES THE CARDIOVASCULAR RESPONSE DURING THE MUSCLE METABOREFLEX ACTIVATION  
Crisafulli, A. et al [Italy]

16:50 OP-PM17-3  
THE RELATIONSHIP BETWEEN BLOOD FLOW AND POST-EXERCISE RECOVERY: A RANDOMIZED SINGLE-BLIND PLACEBO-CONTROLLED STUDY.  
Borne, R. et al [France]

17:05 OP-PM17-4  
EXERCISE TRAINING INCREASES THE INHIBITORY EFFECTS OF PROSTACYCLIN ON PLATELETS IN POST-MENOPAUSAL WOMEN  
Slingsby, M.H. et al [Denmark]

17:20 OP-PM17-5  
PHYSIOLOGICAL RESPONSES OF FIREFIGHTERS TO A FLASHOVER TRAINING  
Inwink, S. et al [Germany]

17:35 OP-PM17-6  
A POWER-LAW MODEL REDUCES VARIABILITY IN TIME-TO-EXHAUSTION  
Coakley, S.L. et al [United Kingdom]

**High Live 2 IS-PM16**

**JSPFSM-RISK FACTORS AND BIOMARKERS OF REDUCED SKELETAL MUSCLE FUNCTION IN OLDER AGE –JAPANESE & EUROPEAN EXPERIENCE**

Chair(s):  
Nagatomi, R. [Japan]

16:20 IS-PM16-1  
ASSOCIATION OF HIGHER SERUM ADIPONECTIN LEVEL AND TRADITIONAL JAPANESE DIETARY PATTERN WITH REDUCED SKELETAL MUSCLE STRENGTH AND QUALITY OF LIFE OF OLDER JAPANESE  
Nagatomi, R. [Japan]

16:50 IS-PM16-2  
COUNTERMEASURE AGAINST BLUNTED SKELETAL MUSCLE STEROIDOGENESIS  
Fujita, S. [Japan]

17:20 IS-PM16-3  
COUNTERACTING SKELETAL MUSCLE LOSS WITH AGEING: INFLUENCE OF NUTRITION AND EXERCISE  
Holm, L. [Denmark]

**High Live 3 OP-PM43**

**Training & Testing: Team sport I**

Chair(s):  
Knez, W. [Sweden]  
Magnusson, P. [Denmark]

16:20 OP-PM43-1  
QUANTIFICATION OF SESSION RATINGS OF PERCEIVED EXERTION IN ELITE SOCCER REFEREES  
Weston, M. [United Kingdom]

16:35 OP-PM43-2  
ARE PHYSIOLOGICAL ABILITIES OF PROFESSIONAL SOCCER PLAYERS POSITION SPECIFIC?  
Reer, R. [Germany]

16:50 OP-PM43-3  
CHANGES IN MUSCULAR AND NEUROMUSCULAR FUNCTIONS FOLLOWING SOCCER-SPECIFIC FATIGUE

IN YOUTH MALE FOOTBALLERS  
Lehnert, M. et al [Czech Republic]

17:05 OP-PM43-4  
CHANGE-OF-DIRECTION SPEED TRAINING IN MINIMALIST FOOTWEAR MAY PROVIDE ADDITIONAL PERFORMANCE GAINS IN JUNIOR AUSTRALIAN RULES FOOTBALLERS  
Graham, S. et al [Australia]

17:20 OP-PM43-5  
ANGIOTENSIN-CONVERTING ENZYME GENE <ACE-I/D> EXPRESSION ASSOCIATED WITH SOCCER PLAYERS' PHYSICAL CAPACITIES  
Coelho, D. et al [Brazil]

**High Live 4 OP-PM59**

**Health & Fitness: Age I**

Chair(s):  
Ainsworth, B. [United States]  
Biddle, S. [Australia]

16:20 OP-PM59-1  
ASSOCIATION BETWEEN CARDIOVASCULAR FITNESS AND QUALITY OF SLEEP IN YOUNG ADULTS  
Keng, C.F. et al [Taiwan]

16:35 OP-PM59-2  
DEVELOPING OF MODEL HEALTH HOLISTIC CARE OF THE ELDERLY BY THE COMMUNITY PARTICIPATION IN TAMBONBUGRASUNG AMPHOE NONGKEE BURIRAM PROVINCE IN THAILAND  
Chuntima, W. [Thailand]

16:50 OP-PM59-3  
THE EFFECT OF HEALTH PROMOTION INTERVENTION ON CARDIOVASCULAR RISK FACTORS IN ACTIVE COMMUNITY DWELLING ELDERLY  
Wang, Y.P. et al [Taiwan]

17:05 OP-PM59-4  
THE EFFECT OF HIGH INTENSITY INTERVAL TRAINING ON THE BODY COMPOSITION AND FUNCTIONAL CAPACITY OF OLDER OBESE ADULTS  
Nieuwoudt, S. et al [South Africa]

# Oral & Invited Presentations

17:20 OP-PM59-5  
PREVALENCE OF PHYSICALLY DEPENDENT ELDERLY IS INFLUENCED BY OBESITY STATUS: THE EXERNET MULTICENTER STUDY  
Alcazar, J. et al [Spain]

17:35 OP-PM59-6  
GENDER DIFFERENCES IN SELF REPORTED WALKING AND SITTING TIME IN PRE-DIABETIC PARTICIPANTS ENROLLED INTO A LIFESTYLE INTERVENTION: PRELIMINARY BASELINE RESULTS FROM THE PREVIEW PROJECT.  
Swindell, N. et al [United Kingdom]

## Live 1 IS-PM17

### CCSS-ECSS exchange symposium: PHYSICAL ACTIVITY AND HEALTH PROMOTIO

Chair(s):  
Tian, Y. [China]  
Sjogaard, G. [Denmark]

16:20 IS-PM17-1  
POLYMORPHISMS IN RAS CODING GENES ARE ASSOCIATED WITH EXERCISE TRAINING-INDUCED CHANGES IN CARDIORESPIRATORY FITNESS  
He, Z. et al [China]

16:50 IS-PM17-2  
EFFECTS OF 4 WEEKS OF MAXIMUM LIPID OXIDATION RATE INTENSITY TRAINING AND RESISTANCE TRAINING ON ADIPOSE TISSUE DISTRIBUTION AND MORPHOLOGY OF OBESE YOUTH  
Zhang, L. [China]

17:20 IS-PM17-3  
WALKING ENERGY EXPENDITURE AND RECOMMENDATION IN CHINESE ADULTS  
Wang, H. et al [China]

17:50 IS-PM17-4  
PHYSICAL ACTIVITY AND SITTING - HEALTH PROMOTION INTERVENTIONS AT THE WORKPLACE.  
Proper, K. [Netherlands]

## Live 2 IS-SH03

### INTERNET OF SPORTS: AUGMENTING SPORTS TECHNOLOGY FOR PERFORMANCE AND PLEASURE

Chair(s):  
Jacobsson, A. [Sweden]

16:20 IS-SH03-1  
INTERNET OF SPORTS APPLICATIONS  
Nylander, S. et al [Sweden]

16:50 IS-SH03-2  
GOLF DATA ANALYTICS  
Johansson, U. et al [Sweden]  
SPORT ANALYTICS IN GOLF  
Dahlbom, A. [Sweden]

17:50 IS-SH03-4  
INTERACTION IN MOTION  
Marshall, J. [United Kingdom]

## Live 3 IS-SH11

### SPORT FOR DEVELOPMENT AND PEACE: critical perspectives

Chair(s):  
Burnett, C. [South Africa]

16:20 IS-SH11-1  
APPROACHING 'SPORT FOR DEVELOPMENT AND PEACE' AS AN INTER-DISCIPLINARY PROJECT  
Darnell, S. [Canada]

16:50 IS-SH11-2  
MAKING TRANSNATIONAL, CROSS-CULTURAL <DIS>CONNECTIONS IN SPORT FOR DEVELOPMENT AND PEACE: EXPLORING MULTI-SITED SOCIAL AND POWER RELATIONS  
Hayhurst, L. [Canada]

17:20 IS-SH11-3  
LOCAL VOICES, SENSE-MAKING AND AGENCY IN THE 'UPTAKE' OF SDP PROJECTS IN AFRICA  
Burnett, C. [South Africa]

## Live 4 OP-PM39

### Training & Testing: Endurance III

Chair(s):  
Hopkins, W. [Australia]  
de Haan, A. [Netherlands]

16:20 OP-PM39-1  
ECCENTRIC CYCLING WARM-UP AS AN ALTERNATIVE METHOD PRIOR TO A TIME TRIAL  
Bosio, A. et al [Italy]

16:35 OP-PM39-2  
MONITORING HRV DURING REPEATED ELITE SWIMMING TRAINING-CAMPS  
Ganzevles, S.P.M. et al [Netherlands]

16:50 OP-PM39-3  
VALIDATION OF A PROTOCOL THAT DETERMINES THE CAPACITY TO OXIDIZE FAT DURING EXERCISE IN OBESE ADULTS  
Præst, C. et al [Denmark]

17:05 OP-PM39-4  
INCREASES IN CIRCULATING CELL-FREE DNA DURING AEROBIC RUNNING EXERCISE DEPEND ON INTENSITY AND DURATION  
Haller, N. et al [Germany]

17:20 OP-PM39-5  
MAXIMAL OXYGEN UPTAKE AND CARDIORESPIRATORY KINETICS BEFORE AND AFTER 6 WEEKS OF ENDURANCE TRAINING  
Drescher, U. et al [Germany]

## Live 5 OP-PM71

### Molecular Biology and Biochemistry: Metabolism

Chair(s):  
Gliemann, L. [Denmark]  
Ekberg, J. [Sweden]

16:20 OP-PM71-1  
IMMUNE RESPONSE TO A SWIMMING SESSION DURING A 24-H RECOVERY PERIOD  
Morgado, J.P. et al [Portugal]

16:35 OP-PM71-2  
THE COL5A1 3'-UTR AND MUSCULOSKELETAL SOFT TISSUE INJURIES: A FUNCTIONAL STUDY  
Collins, M. et al [South Africa]

16:50 OP-PM71-3  
PHYSIOLOGICAL PERFORMANCE AND BIOCHEMICAL PROFILE OF INDIAN ELITE FEMALE FOOTBALLERS DURING PRE-COMPETITION PHASE  
Purohit, S. et al [India]

17:05 OP-PM71-4  
VARIABILITY OF THE METABOLOMIC RESPONSE TO ENDURANCE EXERCISE IN MODULATED BY THE TRAINING STATE  
Vaughan, D. et al [Switzerland]

17:20 OP-PM71-5  
&#913;B-CRYSTALLIN MODULATION AFTER ACUTE EXERCISE IN SKELETAL MUSCLE: THE ROLE OF OXIDATIVE STRESS AND FIBER COMPOSITION  
Grazioli, E. et al [Italy]

## Live 6 OP-PM33

### Sports Medicine & Orthopedics: Injury prevention I

Chair(s):  
Ageberg, E. [Sweden]  
Creaby, M. [Australia]

16:20 OP-PM33-1  
MONITORING OF SPORT INJURIES IN YOUNG ELITE SOCCER PLAYERS  
Richardson, A. et al [Netherlands]

16:35 OP-PM33-2  
CAN MOTION CONTROL SYSTEMS PREVENT RUNNING-RELATED INJURY?  
Malisoux, L. et al [Luxembourg]

16:50 OP-PM33-3  
PARALYMPIC ATHLETES' PERCEPTIONS OF THEIR EXPERIENCES OF SPORTS-RELATED INJURIES: A QUALITATIVE STUDY  
Fagher, K. et al [Sweden]

17:05 OP-PM33-4  
A MULTIFACTORIAL INJURY PREVENTION PROGRAM IN PHYSICAL EDUCATION TEACHER EDUCATION STUDENTS: PROCESS EVALUATION USING RE-AIM  
Goossens, L. et al [Belgium]

## Live 7 OP-PM48

### Training & Testing: Agility

Chair(s):  
Zemkova, E. [Slovakia]  
Buhre, T. [Sweden]

16:35 OP-PM48-1  
COMPLEX AGILITY PERFORMANCE ANALYSIS OF ELITE YOUTH ACADEMY SOCCER PLAYERS. AGE AND POSITION SPECIFIC ASSESSMENT.  
Zalai, D. et al [Hungary]

16:50 OP-PM48-2  
ANALYSIS OF A KOMPLEX STRESS STRAIN DYNAMIC IN A TECHNIC COMPOSITIONAL SPORT  
Bubeck, D. et al [Germany]

17:05 OP-PM48-3  
PHYSIOLOGICAL RESPONSES TO REPEATED SPRINT ABILITY TEST < 10X15 M> IN YOUNG BASKETBALL PLAYERS: THE EFFECT OF CHANGE OF DIRECTION  
Meletakos, P. et al [Greece]

17:20 OP-PM48-4  
EFFECTS OF PRACTICE AGAINST ELASTIC RESISTANCE ON JAB PUNCH PERFORMANCE  
Suzovic, D. et al [Serbia]

## Live 8 OP-SH07

### Psychology (Mental health and stress)

Chair(s):  
Hutter, V. [Netherlands]  
Araujo, D. [Portugal]

16:20 OP-SH07-1  
'FROM WORLD CLASS TO UNABLE TO SHOOT IN THREE ARROWS'- AN UNDERSTANDING OF THE PERSONAL EXPERIENCE OF 'TARGET PANIC' IN ELITE

ARCHERS  
Clarke, P. et al [United Kingdom]

16:35 OP-SH07-2  
MENTAL TOUGHNESS IN ELITE MUAY THAI  
Powell, A. et al [United Kingdom]

**Live 10** **OP-SH19**

**Philosophy & Ethics I**

Chair(s):  
Schneider, A. [Canada]  
Jönsson, K. [Sweden]

16:20 OP-SH19-1  
WALKING ON THE EDGE? THE DEVELOPMENT OF  
TALENTED CHILDREN IN ELITE SPORTS  
Pilz-Burstein, R. [Israel]

16:35 OP-SH19-2  
HORSE - THE INVOLUNTARY CONTESTANT?  
Andersson, P. [Sweden]

16:50 OP-SH19-3  
SUBJECTIVITY AND THE BODY  
Hogenova, A. [Czech Republic]

17:05 OP-SH19-4  
NOVEL SPORTS MEDICINE TREATMENTS AND THE  
PLACEBO EFFECT: ETHICAL, EPISTEMOLOGICAL AND  
SOCIAL ISSUES  
McNamee, M. et al [United Kingdom]

**Friday, June 26th**  
**18:00 - 19:30**

**High Live 1** **OP-PM66**

**Nutrition: Clinical**

Chair(s):  
Carter, J. [United Kingdom]  
Vikman, J. [Sweden]  
18:00 OP-PM66-1  
DECREASED ENERGY AVAILABILITY DURING IN-  
TENSIFIED TRAINING INCREASES SIGNS OF OVER-  
REACHING AND IMPAIRS MENSTRUAL FUNCTION  
IN COMPETITIVE FEMALE RUNNERS  
Schaal, K. et al [United States]

18:15 OP-PM66-2  
A ONE YEAR STUDY OF DAILY DISTRIBUTION OF  
CALORIES AND BODY COMPOSITION CHANGES IN  
A GROUP OF MODERATELY ACTIVE PEOPLE  
Ghani, G. et al [Italy]

18:30 OP-PM66-3  
THE EFFECTS OF 14-DAYS OF CREATINE SUPPLEMEN-  
TATION ON CREATINE PHOSPHATE LEVELS IN MUS-  
CLE AND BRAIN IN YOUNG AND OLDER SUBJECTS  
Berk, E. et al [United Kingdom]

18:45 OP-PM66-4  
EFFECT OF CAFFEINE SUPPLEMENTATION ON ME-  
TABOLISM AND PHYSICAL AND COGNITIVE FUNC-  
TION IN FEMALE INTERMITTENT GAMES PLAYERS  
Ali, A. [New Zealand]

19:00 OP-PM66-5  
THE EFFECTS OF OMEGA-3 POLYUNSATURATED  
FATTY ACID SUPPLEMENTATION DOSE LEVEL ON  
HYPERPNOEA INDUCED BRONCHOCONSTRICTION  
<HIB> SEVERITY AND AIRWAY INFLAMMATION IN  
PHYSICALLY ACTIVE ASTHMATICS  
Williams, N.C. et al [United Kingdom]

**Kuben** **OP-PM18**

**Physiology: Cardiovascular I + ESSA-  
ECSS exchange**

Chair(s):  
Mortensen, S. [Denmark]  
Tornberg, Å. [Sweden]  
18:00 OP-PM18-1  
EXERCISING OPPORTUNITIES TO PREVENT CHRONIC  
DISEASES: THE CAPO KIDS TRIAL [ESSA]  
Candiota Nogueira, R. [Australia]

18:15 OP-PM18-2  
CARDIOVASCULAR DIFFERENCES DURING ACTIVE  
VERSUS PASSIVE RECOVERY IN ICE-HOCKEY MEAS-  
URED USING IMPEDANCE CARDIOGRAPHY  
Burr, J. et al [Canada]

18:30 OP-PM18-3  
FOREARM MUSCLE BLOOD FLOW AND DEOXY-  
GENATION DURING DYNAMIC HANDGRIP EXERCISE  
IN LIMB SPECIFIC TRAINED ATHLETES  
Bourgois, J.G. et al [Belgium]

18:45 OP-PM18-4  
HEMOGLOBIN MASS IS DETERMINED BY LEAN BODY  
MASS IN YOUNG BOYS  
Hallén, J. et al [Norway]

19:00 OP-PM18-5  
POST-AEROBIC EXERCISE METABOREFLEX STIMULA-  
TION DELAYS HEART RATE RECOVERY  
Forjaz, C. et al [Brazil]

**High Live 2** **OP-PM28**

**Sports Medicine & Orthopedics: Ortho-  
pedics II**

Chair(s):  
Gliemann, L. [Denmark]  
Drake, A. [Sweden]

18:00 OP-PM28-1  
RADIOLOGICAL STUDY OF CHANGES IN MUSCLE  
VOLUME USING MR IMAGING IN PATIENTS UN-  
DERGOING ANTERIOR CRUCIATE LIGAMENT <ACL>

RECONSTRUCTION OF THE KNEE WITH SEMITENDI-  
NOUS AND GRACILIS AUTOGRAFT  
Setuain, I. et al [Spain]

18:15 OP-PM28-2  
MUSCLE FUNCTION AFTER ACL INJURY CAN PRE-  
DICT FUTURE SELF-REPORTED OUTCOMES  
Flosadotir, V. et al [Sweden]

18:30 OP-PM28-3  
EFFECTIVENESS OF EXERCISE THERAPY COMPARED  
WITH STEROID INJECTION FOR LATERAL EPICONDY-  
LITIS: A RANDOMIZED CONTROLLED TRIAL  
Gara, E. et al [Kosovo]

18:45 OP-PM28-4  
EFFECTIVENESS OF A MULTICOMPONENT AP-  
PROACH PROMOTING PHYSICAL ACTIVITY IN  
CHRONIC LOW BACK PAIN PATIENTS: SIX MONTHS  
FOLLOW-UP RESULTS OF A RANDOMIZED CON-  
TROLLED TRIAL  
Schaller, A. et al [Germany]

19:00 OP-PM28-5  
INJURY INCIDENCE AND INJURY PATTERNS OF ELITE-  
LEVEL MALE SOCCER PLAYERS IN KOSOVO  
Shalaj, I. et al [Kosovo]

**High Live 3** **OP-PM44**

**Training & Testing: TeamSport II**

Chair(s):  
Wagner, H. [Austria]  
Lamberts, R. [South Africa]

18:00 OP-PM44-1  
AN EXPLORATORY STUDY ABOUT THE REACTION  
TIME IN HANDBALL GOALKEEPERS  
Estriga, L. et al [Portugal]

18:15 OP-PM44-2  
THE INFLUENCE OF DIFFERENT WORK AND REST  
DISTRIBUTIONS ON PERFORMANCE AND FATIGUE  
DURING SIMULATED TEAM HANDBALL MATCH PLAY  
Moss, S. et al [United Kingdom]

18:30 OP-PM44-3  
PERFORMANCE DIAGNOSTICS, TRAINING LOAD  
AND RECOVERY ASPECTS IN MALE ELITE TEAM  
HANDBALL PLAYERS  
Knöller, R. et al [Germany]

18:45 OP-PM44-4  
DIFFERENCES IN GENERAL AND GAME BASED  
PERFORMANCE IN ELITE, HIGH EXPERIENCED AND  
EXPERIENCED MALE TEAM-HANDBALL PLAYERS  
Wagner, H. et al [Austria]

19:00 OP-PM44-5  
CHANGES IN PERCEIVED STRESS AND RECOVERY  
RELATE TO CHANGES IN SUBMAXIMAL PERFOR-  
MANCE IN TEAM SPORT PLAYERS.  
van der Does, H. [Netherlands]

19:15 OP-PM44-6  
EFFECT OF A COMPETITIVE SEASON ON ANTHROPO-  
METRIC, AEROBIC AND BIOCHEMICAL PARAMETERS  
IN BRAZILIAN FUTSAL PLAYERS  
Barbieri, R.A. et al [Brazil]

**High Live 4** **OP-PM60**

**Health & Fitness: Age II**

Chair(s):  
Sipila, S. [Finland]  
Marusic, U. [Slovenia]  
18:00 OP-PM60-1  
PHYSICAL FITNESS IS PREDICTIVE FOR A DECLINE  
IN DAILY FUNCTIONING IN OLDER ADULTS WITH  
INTELLECTUAL DISABILITIES  
Oppewal, A. et al [Netherlands]

18:15 OP-PM60-2  
IS THERE A LINK BETWEEN ASYMMETRIES IN  
STRENGTH, GAIT AND BALANCE IN SENIORS?  
Hammes, D. et al [Switzerland]

18:30 OP-PM60-3  
PHYSICAL ACTIVITY IN OLDER ADULTS: ITS ASSO-  
CIATION WITH LOWER EXTREMITY JOINT RANGE OF  
MOTION AND MUSCLE FORCE  
Jung, H.G. et al [Japan]

# Oral & Invited Presentations

18:45 OP-PM60-4  
SMART: IS PAIN A RELEVANT BASELINE CHARACTER-  
ISTIC IN THE ELDERLY? RESULTS FROM A RCT  
Fleckenstein, J. et al [Germany]

19:00 OP-PM60-5  
EFFECT OF MILK VS LEUCINE FORTIFIED MILK SUP-  
PLEMENTATION ON BODY COMPOSITION AND  
STRENGTH IN OLDER ADULTS UNDERGOING 12  
WEEKS OF RESISTANCE TRAINING.  
Soto, F. et al [Spain]

## Live 1 OP-PM57

### Health & Fitness: Children I

Chair(s):  
Bugge, A. [Denmark]  
Magnusson, P. [Denmark]

18:00 OP-PM57-1  
THE IMPACT OF CYCLING DESKS ON IN-CLASS  
ENERGY EXPENDITURE.  
Torbeyns, T. et al [Belgium]

18:15 OP-PM57-2  
IMPACT OF LIVING AREA ON ANTHROPOMETRIC  
AND PHYSICAL FITNESS PARAMETERS AMONG  
15-YEAR-OLD ADOLESCENTS IN KOSOVO  
Tishukaj, F. et al [Kosovo]

18:30 OP-PM57-3  
LOCALIZATION OF PHYSICAL ACTIVITY IN PRIMARY  
SCHOOL CHILDREN USING ACCELEROMETER AND  
GLOBAL POSITIONING SYSTEM  
Bürgi, R. et al [Switzerland]

18:45 OP-PM57-4  
LONGITUDINAL CHANGE IN PHYSICAL ACTIVITY OF  
CHILDREN IN HUNAN, CHINA  
Pengyu, D. et al [Japan]

19:00 OP-PM57-5  
SMARTPHONE APPS TO IMPROVE CARDIORESPIRA-  
TORY FITNESS AND INCREASE PHYSICAL ACTIVITY  
LEVELS AMONG YOUNG PEOPLE: THE AIMFIT RAN-  
DOMISED CONTROLLED TRIAL  
Direito, A. et al [New Zealand]

19:15 OP-PM57-6  
PHYSICAL ACTIVITY AND INTRA-ABDOMINAL FAT IN  
YOUNG ADULTHOOD: A CO-TWIN CONTROL STUDY  
Rottensteiner, M. et al [Finland]

## Live 2 OP-SH08

### Psychology (Challenges within Sport Psychology I)

Chair(s):  
Balaguer, I. [Spain]  
Nilsson, P. [Sweden]

18:00 OP-SH08-1  
LINKS BETWEEN ADOLESCENTS' INVOLVEMENT IN  
SPORT, ATTACHMENT TO PARENTS AND PROSOCIAL  
BEHAVIOUR  
Lisinskiene, A. et al [Lithuania]

18:15 OP-SH08-2  
NEUROPSYCHIATRIC DISORDERS FOLLOWING PEDI-  
ATRIC SPORTS-RELATED CONCUSSION  
Ellis, M.J. et al [Canada]

18:30 OP-SH08-3  
SPECIFICS AND CHALLENGES IN FEMALE ATHLETES'  
CAREER DEVELOPMENT  
Tekavc, J. et al [Belgium]

18:45 OP-SH08-4  
PARADOXICAL FUNCTIONS OF EXERCISE IN WOMEN  
WITH ANOREXIA NERVOSA  
Kolnes, L. [Norway]

19:00 OP-SH08-5  
THE RELATIONSHIP BETWEEN STUNKARD IMAGES,  
PERCEPTION OF BMI AND PERCEPTION OF SELF-  
CONCEPT IN SPANISH ADOLESCENTS  
Sánchez-Miguel, P.A. et al [Spain]

## Live 3 OP-SH21

### Sociology

Chair(s):  
Donnelly, P. [Canada]  
Norberg, J. [Sweden]

18:00 OP-SH21-1  
'YOU ARE JUST AN IDIOT FOR NOT BEING DOING  
ANY PHYSICAL ACTIVITY RIGHT NOW': PRE-SERVICE  
HEALTH AND PHYSICAL EDUCATION TEACHERS'  
CONSTRUCTIONS OF BODY FAT  
Varea, V. [Australia]

18:15 OP-SH21-2  
THE ECOLOGICAL HABITUS, SPORT AND PHYSICAL  
CULTURE  
Brown, D. [United Kingdom]

18:30 OP-SH21-3  
SPORT AS A RESPONDING SOLUTION TO SOCIAL  
PROBLEMS? CONTEXTUALIZING SPORT AND  
WELFARE  
Ekholm, D. [Sweden]

18:45 OP-SH21-4  
HEALTH COMMUNICATORS' ALTERING THEIR  
PRACTICE BY IMPLEMENTING PHYSICAL ACTIVITY  
FOR NEWLY ARRIVED REFUGEES  
Fabri, A. [Sweden]

## Live 4 OP-PM62

### Health & Fitness: Mixed

Chair(s):  
Pedersen, M. [Denmark]  
Granér, S. [Sweden]

18:00 OP-PM62-1  
SELF-ADMINISTERED PHYSICAL EXERCISE TRAINING  
AS TREATMENT OF NECK PAIN AMONG MILITARY  
HELICOPTER PILOTS AND CREW – A RANDOMIZED  
CONTROLLED TRIAL  
Murray, M. et al [Denmark]

18:15 OP-PM62-2  
CARDIAC AUTONOMIC CONTROL INDEPENDENT  
ASSOCIATIONS WITH CARDIORESPIRATORY FITNESS  
AND RESTING METABOLIC RATE IN NAFLD PATIENTS  
Pimenta, N.M. et al [Portugal]

18:30 OP-PM62-3  
THE EFFECT OF PHYSICAL FITNESS AND PHYSICAL  
EXERCISE TRAINING ON WORK PRODUCTIVITY  
AMONG HEALTH CARE WORKERS  
Kongstad, M. et al [Denmark]

18:45 OP-PM62-4  
EFFECTS OF ACUTE EXERCISE ON BRAIN MECHA-  
NISMS ASSOCIATED WITH SINGLE- AND DUAL-  
TASKS DURING LOCOMOTION  
Duncan, S. et al [Australia]

19:00 OP-PM62-5  
BREAKING UP PROLONGED SITTING TIME DOES NOT  
AFFECT APPETITE OR GUT HORMONE CONCENTRA-  
TIONS IN SEDENTARY ADULTS  
Bailey, D.P. et al [United Kingdom]

OP-PM62-6  
SEQUENTIAL AND ALTERNATING PHYSICAL EDUCA-  
TION DIDACTIC UNITS WITH TEAM VS. INDIVIDUAL  
SPORTS – EFFECTS ON PHYSICAL FITNESS  
Póvoas, S. et al [Portugal]

## Live 5 OP-PM72

### Molecular Biology and Biochemistry: Gene expression & signaling

Chair(s):  
Collins, M. [South Africa]  
Rundqvist, H. [Sweden]

18:00 OP-PM72-1  
EFFECT OF ACUTE INTERVAL EXERCISE ON OXIDATIVE  
STRESS IN CANOEISTS  
Chien, L. et al [Taiwan]

18:15 OP-PM72-2  
EFFECTS OF A SINGLE RESISTANCE EXERCISE BOUT  
ON NF- $\kappa$ B SIGNALING IN SKELETAL MUSCLES  
OF MASTERS WEIGHTLIFTERS AND AGE-MATCHED

CONTROLS  
Wessner, B. et al [Austria]

18:30 OP-PM72-3  
THE EFFECTS OF AEROBIC EXERCISE ON NF-KB,  
LIN 28B AND LET-7A MICRORNA EXPRESSIONS  
AND LEVELS OF TUMOR TISSUE IL-6 IN MICE WITH  
BREAST CANCER  
Anoosheh, L. et al [Iran]

18:45 OP-PM72-4  
DEGRADOME EXPRESSION PROFILING IN STRAINED  
AND PATHOLOGICAL TENDON – ARE THERE COM-  
MON PATTERNS IN EXERCISE AND TENDINOPATHY?  
Legerlotz, K. et al [Germany]

## Live 6 OP-PM34

### Sports Medicine & Orthopedics: Injury prevention II

Chair(s):  
Schwameder, H. [Austria]  
Folland, J. [United Kingdom]

18:00 OP-PM34-1  
COMPARISON OF MECHANICAL INJURY RISK FAC-  
TORS BETWEEN MALE AND FEMALE WORLD CUP  
ALPINE SKIERS IN THE DISCIPLINE SUPER-G  
Gilgien, M. et al [Norway]

18:15 OP-PM34-2  
CONTACT INJURIES OF THE FEMALE FIELD HOCKEY  
PLAYERS  
Ozer, C.M. et al [Turkey]

18:30 OP-PM34-3  
PROTECTIVE EFFECT BY MAXIMAL ISOMETRIC  
CONTRACTIONS AGAINST MAXIMAL ECCENTRIC  
CONTRACTION-INDUCED MUSCLE DAMAGE OF  
THE KNEE EXTENSORS  
Tseng, K.W. et al [Taiwan]

18:45 OP-PM34-4  
REHABILITATION AFTER ACUTE HAMSTRING MUSCLE  
INJURIES AMONG ELITE SOCCER PLAYERS  
Haxhiu, B. et al [Kosovo]



19:00 OP-PM34-5  
CONCUSSION IN SCOTTISH MOTOR SPORT: AN INITIAL SURVEY OF AWARENESS AND PRACTICE  
Elliot, J. et al [United Kingdom]

**Live 7 OP-PM51**

**Training & Testing: Coordination**

Chair(s):  
Hoier, B. [Denmark]  
Ekberg, J. [Sweden]

18:00 OP-PM51-1  
LOWER EXTREMITY CONTROL IN RESPONSE TO 8-WEEK ACL-INJURY PREVENTION TRAINING IN FEMALE ADOLESCENT ATHLETES  
Ullrich, B. et al [Germany]

18:15 OP-PM51-2  
COMPARISON BETWEEN THE STATIC BALANCE OF PRACTITIONERS FROM DIFFERENT SPORTS AND NON-ATHLETES  
Gateva, M. et al [Bulgaria]

18:30 OP-PM51-3  
THE EFFECT OF MENTAL TRAINING ON MOTOR PERFORMANCE OF TENNIS AND FIELD HOCKEY STROKES IN NOVICE PLAYERS  
Hegazy, K. et al [Germany]

18:45 OP-PM51-4  
GENDER AND PERFORMANCE LEVEL SPECIFIC DIFFERENCES IN BALANCE ABILITY OF ELITE AUSTRIAN ALPINE SKI RACERS  
Raschner, C. et al [Austria]

19:00 OP-PM51-5  
BALANCE: SET OF SPECIFIC SKILLS OR GENERAL ABILITY?  
Kramer, A. et al [Germany]

19:15 OP-PM51-6  
APPLICATION OF HYPOXIC TRAINING IN TECHNICAL SPORTS.  
Zelenkova, I. et al [Russia]

**Live 8 OP-BN06**

**Muscle function**

Chair(s):  
Seynnes, O. [Norway]  
Stenroth, L. [Finland]

18:00 OP-BN06-1  
FREQUENCY OF REGULAR EXERCISE AFFECTS THE TIME UNTIL CHANGE IN MUSCLE VISCOELASTICITY DURING STATIC STRETCHING  
Okamura, N. et al [Japan]

18:15 OP-BN06-2  
ACUTE EFFECTS OF MUSCLE LENGTH DURING THE CONTRACTION PHASE OF CONTRACT-RELAX STRETCHING ON MUSCLE-TENDON MECHANICS  
Kay, A. et al [United Kingdom]

18:30 OP-BN06-3  
COMPUTED PASSIVE TENSILE TEST TO FAILURE OF THE MUSCLE-TENDON COMPLEX USING A DISCRETE ELEMENT MODEL  
Roux, A. et al [France]

18:45 OP-BN06-4  
LATERALITY OF THE MORPHOLOGICAL PROPERTIES OF THE VASTUS LATERALIS MUSCLE IN NON-UNILATERAL SPORT ACTIVITIES  
Marzilger, R. et al [Germany]

19:00 OP-BN06-5  
DIFFERENTIAL TENDINOUS TISSUE ADAPTATIONS AFTER CONVENTIONAL VS. EXPLOSIVE STRENGTH TRAINING  
Massey, G.J. et al [United Kingdom]

**Live 10 OP-SH20**

**Philosophy & Ethics II**

Chair(s):  
Parry, J. [Czech Republic]  
Jönsson, K. [Sweden]

18:00 OP-SH20-1  
HUMAN PRACTISING - TOWARDS AN ASCETOLOGICAL UNDERSTANDING OF SPORT  
Aggerholm, K. [Denmark]

18:15 OP-SH20-2  
THE AESTHETIC EXPERIENCE IN THE COMBAT SPORTS: A STUDY IN TAEKWONDO  
Coelho, R.C. et al [Brazil]

18:30 OP-SH20-3  
USING TRADITIONAL GAMES TO PROMOTE SUSTAINABILITY & PEACE IN THE ARCTIC  
Kilbourne, J. [United States]

18:45 OP-SH20-4  
A STUDY OF "UNIVERSAL SPORTS": THROUGH THE PHENOMENOLOGICAL PERSPECTIVE IN RELATION TO VARIETIES OF HUMAN BODIES  
Tanaka, A. [Japan]

19:00 OP-SH20-5  
BASKETBALL WAS INTRODUCED TO JAPAN AT FIRST AS A SPORT FOR WOMEN RATHER THAN FOR MEN  
Kakiyama, T. [Japan]

**Saturday, June 27<sup>th</sup>  
08:30 - 10:00**

**Kuben OP-PM32**

**Sports Medicine & Orthopedics: Physiotherapy III**

Chair(s):  
Gliemann, L. [Denmark]  
Drake, A. [Sweden]

08:30 OP-PM32-1  
COMPARISON OF COLD COMPRESSION THERAPY WITH OTHER RECOVERY METHODS IN ELITE JUNIOR CYCLIST IN HEAT  
Chan, Y. [Hong Kong]

08:45 OP-PM32-2  
INCREASED PAIN PRESSURE THRESHOLD FOLLOWING ROLLING MASSAGE MAY BE, IN PART, DUE TO CENTRAL NERVOUS SYSTEM MODULATION OF PERCEIVED PAIN.  
Behm, D. [Canada]

09:00 OP-PM32-3  
EFFECTS OF HALLIWICK TECHNIQUE ON PHYSICAL FITNESS OF CHILDREN WITH SPASTIC CEREBRAL PALSY IN SCHOOL AGE  
Xiaohui, H. et al [China]

09:15 OP-PM32-4  
EFFECTS OF CONVENTIONAL RESISTANCE TRAINING AND RESISTANCE TRAINING WITH INSTABILITY ON PHYSIOLOGICAL RESPONSES TO MAXIMAL CARDIOPULMONARY EXERCISE TEST IN PATIENTS WITH PARKINSON'S DISEASE  
Kanegusuku, H. et al [Brazil]

09:30 OP-PM32-5  
IS PHYSICAL FITNESS ASSOCIATED WITH FIBROMYALGIA SEVERITY? THE AL-ÁNDALUS PROJECT  
Soriano-Maldonado, A. et al [Spain]

**High Live 2 OP-PM29**

**Sports Medicine & Orthopedics: Exercise therapy, epidemiology**

Chair(s):  
Gil, S. [Spain]  
Ageberg, E. [Sweden]

08:30 OP-PM29-1  
THE RELATIVE AGE EFFECT AND INJURIES IN CHILDREN'S FOOTBALL  
Rössler, R. et al [Switzerland]

08:45 OP-PM29-2  
INCREASED PHYSICAL ACTIVITY IN CHILDHOOD REDUCES ADOLESCENT FRACTURE RISK - AN EIGHT-YEAR INTERVENTION STUDY IN 3 534 CHILDREN  
Cöster, M.E. et al [Sweden]

09:00 OP-PM29-3  
SOCCER INJURIES IN SWITZERLAND  
Gebert, A. et al [Switzerland]

09:15 OP-PM29-4  
CHARACTERISTICS AND RISK FACTORS OF SPORT INJURIES IN PHYSICAL EDUCATION STUDENTS: PRELIMINARY RESULTS  
Blikenadaal, S. et al [Netherlands]

09:30 OP-PM29-5  
EFFECTS OF WEIGHT LOSS AND ISOTONIC CORE EXERCISE OF 8 WEEKS ON PAIN, STRENGTH AND BALANCE IN OBESE MIDDLE AGED WOMEN WITH LOW BACK PAIN  
Kim, A.R. et al [Korea, South]

**High Live 4 OP-PM45**

**Training & Testing: Team sport III**

Chair(s):  
Eek, F. [Sweden]  
Hoier, B. [Denmark]

08:30 OP-PM45-1  
THE EVALUATION OF VALIDITY AND RELIABILITY OF A NEW SOCCER SPECIFIC TEST  
Tunar, M. et al [Turkey]

# Oral & Invited Presentations

08:45 OP-PM45-2  
TIME-MOTION DATA ANALYSIS OF A SMALL-SIDED GAME PERFORMED BY YOUNG ELITE MALE SOCCER PLAYERS  
Wenker, C.T. et al [Netherlands]

09:00 OP-PM45-3  
SALIVARY BIOMARKERS ACROSS A YOUNG SOCCER SEASON  
Rama, L. et al [Portugal]

09:15 OP-PM45-4  
PHYSICAL DEMANDS DURING VARIOUS TYPES OF CONSTRAINTS-LED CRICKET TRAINING  
Vickery, W. et al [United Kingdom]

09:30 OP-PM45-5  
ACUTE EFFECTS OF TWO DIFFERENT RESISTANCE CIRCUIT TRAINING PROTOCOLS ON PERFORMANCE AND PERCEIVED EXERTION IN BASKETBALL PLAYERS  
Freitas, T.T. et al [Spain]

09:45 OP-PM45-6  
PROPRIOCEPTION TRAINING: BEFORE OR AFTER REGULAR BASKETBALL TRAINING SESSION?  
Pojskic, H. et al [Bosnia and Herzegovina]

## Live 1 OP-PM58

### Health & Fitness: Children II

Chair(s):  
Tinning, R. [Australia]

08:30 OP-PM58-1  
DETECTION OF MUSCLE IMBALANCES IN LOWER LIMBS STRENGTH AND POWER IN YOUNG CHILDREN AND ADOLESCENTS, AS AN INDICATOR IN THE PREVENTION OF INJURIES  
López del Amo, J.L. et al [Spain]

09:00 OP-PM58-2  
PARENTAL AND CHILD SPECIFIC FACTORS ASSOCIATED WITH PHYSICAL ACTIVITY IN FIRST GRADE SCHOOL CHILDREN.  
Dreher, M. et al [Germany]

09:15 OP-PM58-3  
A SYSTEMATISED REVIEW OF PRIMARY SCHOOL WHOLE CLASS CHILD HEALTHY WEIGHT INTERVENTIONS  
Brown, E.C. et al [United Kingdom]

09:30 OP-PM58-4  
EFFECTS OF 12 WEEKS OF AEROBIC PLUS RESISTANCE TRAINING WITHOUT CALORIC RESTRICTION ON INFLAMMATORY MARKERS IN ADOLESCENT OBESE GIRLS  
Lopes, W.A. et al [Brazil]

09:45 OP-PM58-5  
CARDIORESPIRATORY FITNESS AND PHYSICAL ACTIVITY ON A MULTIDISCIPLINARY SCHOOL-BASED INTERVENTION IN CHILDREN <PROJECT PANK>: A RANDOMIZED CONTROLLED TRIAL.  
Batalau, R. et al [Portugal]

## Live 2 OP-SH11

### Sport Statistics & Analysis

Chair(s):  
Hopkins, W. [Australia]  
Granér, S. [Sweden]

08:30 OP-SH11-1  
THE INFLUENCE OF PERFORMANCE LEVEL, AGE, AND GENDER ON PACING STRATEGY DURING A 100KM ULTRAMARATHON  
Renfree, A. et al [United Kingdom]

08:45 OP-SH11-2  
EXPLORING SOME THE MYSTERIES OF COLLECTIVE COORDINATION IN FOOTBALL: EFFECTIVE PLAYING SPACE AND THE NUMBER OF PLAYERS.  
Sampaio, J. et al [Portugal]

09:00 OP-SH11-3  
TACTICAL METRICS DISTINGUISHING WINNERS, DRAWERS AND LOSERS IN UEFA EURO 2012®  
Winter, C. et al [Germany]

09:15 OP-SH11-4  
FACTORS AFFECTING PERFORMANCE TIMES IN INTERNATIONAL LONG-TRACK SPEED SKATING  
Noordhof, D.A. et al [Netherlands]

09:30 OP-SH11-5  
DOPING IN MASS SPORT: IN INEXPLICABLE PHENOMENON?  
Pitsch, W. [Germany]

09:45 OP-SH11-6  
PERCEPTIONS OF UK OLYMPIC AND PARALYMPIC SPORTS TOWARD ATHLETE SUPPORT SERVICES DELIVERED BY HIGHER EDUCATION INSTITUTES  
Thompson, K.G. et al [Australia]

## Live 3 OP-SH09

### Psychology (Challenges within Sport Psychology II)

Chair(s):  
Balaguer, I. [Spain]  
Andersen, M. [Sweden]

08:30 OP-SH09-1  
BREATHING EFFORT MORE THAN FLOW LINKS MUSIC TO AUTONOMIC HEALTH  
Blasco-Lafarga, C. et al [Spain]

08:45 OP-SH09-2  
THE VALIDITY AND RELIABILITY OF THE BEHAVIOURAL REGULATION IN EXERCISE QUESTIONNAIRE-2 AMONG RHEUMATOID ARTHRITIS PATIENTS  
Yu, C. et al [United Kingdom]

09:00 OP-SH09-3  
ASSESSMENT OF THE RECOVERY-STRESS STATE IN SKYDIVERS  
Finkenzeller, T. et al [Austria]

## Live 4 OP-PM46

### Training & Testing: Fatigue I

Chair(s):  
Knez, W. [Sweden]  
Buhre, T. [Sweden]

08:30 OP-PM46-1  
THE UTILITY OF THE MULTI-COMPONENT TRAINING DISTRESS SCALE <MTDS> TO MONITOR SWIMMERS DURING PERIODS OF TRAINING OVERLOAD  
Main, L.C. et al [Australia]

08:45 OP-PM46-2  
AQUA EXERCISE DOES NOT AFFECT RECOVERY OF PERFORMANCE, DAMAGE MARKERS, THE IMMUNE-STATUS AND SENSATION OF PAIN AFTER MUSCLE-DAMAGING EXERCISE.  
Wahl, P. et al [Germany]

09:00 OP-PM46-3  
ACUTE FATIGUE OF LOWER LIMB AND TRUNK MUSCLES IMPAIRS STRENGTH, BALANCE AND SPRINT PERFORMANCE IN ACTIVE YOUNG ADULTS  
Faude, O. et al [Switzerland]

09:15 OP-PM46-4  
THE EFFECT OF POST-EXERCISE CRYOTHERAPY ON RECOVERY CHARACTERISTICS: A SYSTEMATIC REVIEW AND META-ANALYSIS  
Hohenauer, E. et al [Switzerland]

## Live 5 OP-PM73

### Molecular Biology and Biochemistry: Age

Chair(s):  
Holm, L. [Denmark]

08:30 OP-PM73-1  
EFFECTS OF DIFFERENT TYPES OF CHAIR BASED EXERCISE PROGRAMS ON HORMONAL, FUNCTIONAL AUTONOMY AND PHYSICAL FITNESS IN PRE-FRAIL ELDERLY WOMAN.  
Furtado, G. et al [Portugal]

08:45 OP-PM73-2  
MICRORNA PROFILES OF SUBCUTANEOUS FAT TISSUE AND SERUM IN WOMEN – ASSOCIATIONS WITH AGE AND POSTMENOPAUSAL HORMONE REPLACEMENT THERAPY  
Kovanen, V. et al [Finland]

09:00 OP-PM73-3  
EFFECTS OF ELASTIC-BAND RESISTANCE TRAINING AND NUTRITIONAL SUPPLEMENTATION ON CIRCULATING MYOKINES AND MUSCLE QUALITY OF INSTITUTIONALIZED ELDERLY - THE VIENNA ACTIVE AGEING STUDY <VAAS>  
Hofmann, M. et al [Austria]

09:15 OP-PM73-4  
HORMONE STATUS DEPENDENT DIFFERENCES IN MUSCLE PROTEOMICS: A STUDY WITH PREMENOPAUSAL WOMEN AND POSTMENOPAUSAL TWIN SISTERS DISCORDANT FOR THE USE OF HORMONE THERAPY  
Pöllänen, E. et al [Finland]

## Live 6 OP-PM52

### Health & Fitness: Lifestyle I

Chair(s):  
Nilsson, P. [Sweden]  
Blair, S. [United States]

08:30 OP-PM52-1  
INFLUENCE OF GENETIC POLYMORPHISMS ON RESPONSE TO PHYSICAL TRAINING IN HEALTH PARAMETERS  
Bueno Junior, C. et al [Brazil]

08:45 OP-PM52-2  
STABILITY OF LEISURE-TIME PHYSICAL ACTIVITY AND ALL-CAUSE MORTALITY IN TWINS DURING 23-YEAR FOLLOW-UP  
Waller, K. et al [Finland]

09:00 OP-PM52-3  
POINTS-BASED PHYSICAL ACTIVITY: A NOVEL APPROACH TO PHYSICAL ACTIVITY PROMOTES IMPROVED BODY COMPOSITION IN OVERWEIGHT, INACTIVE WOMEN.  
Holliday, A. et al [United Kingdom]

09:15 OP-PM52-4  
THE EFFECT OF INTELLIGENT PHYSICAL EXERCISE TRAINING ON SICKNESS ABSENCE AND JOB PERFORMANCE AMONG OFFICE WORKERS: A RANDOMIZED CONTROLLED TRIAL  
Christensen, J.R. et al [Denmark]

**Live 7 OP-PM25**

**Physiology: Mixed session**

Chair(s):  
Christiansen, L. [Denmark]  
Boreham, C. [Ireland]  
08:30 OP-PM25-1  
FAT OR FIT: DOES BODY COMPOSITION OR FITNESS AFFECT IMMUNE AND INFLAMMATORY CHANGES OF FIREFIGHTERS IN THE HEAT?  
Walker, A. et al [Australia]

08:45 OP-PM25-2  
GALECTIN-3 AND SUPPRESSION OF TUMORIGENICITY 2 MEASUREMENT IN PARTICIPANT AT THE "TOR DES GÉANTS"  
Le Goff, C. et al [Belgium]

09:00 OP-PM25-3  
EFFECTS OF PROLONGED LOW INTENSITY EXERCISE WITH ENERGY DEFICIT <MILITARY TRAINING OPERATION> ON MARKERS OF MUSCLE PROTEIN TURNOVER.  
Mattsson, C.M. et al [Sweden]

09:15 OP-PM25-4  
INFLUENCE OF ANGIOTENSIN-CONVERTING ENZYME GENE I/D GENOTYPE AND REST INTERVAL BETWEEN SETS ON EXERCISE-INDUCED MUSCLE DAMAGE  
Andrade, H. et al [Brazil]

09:30 OP-PM25-5  
FUNCTIONAL AND METABOLIC CHARACTERIZATION OF EXERCISING MUSCLE IN A MOUSE MODEL OF SICKLE CELL DISEASE  
Chatel, B. et al [France]

OP-PM25-6  
EFFECT OF LONG-HAUL AIR TRAVEL EAST AND WEST ON RECOVERY OF TEAM SPORT PERFORMANCE.  
Duffield, R. et al [Australia]

**Live 8 OP-BN07**

**Gender II**

Chair(s):  
Tiidus, P. [Canada]  
Thomas, R. [Denmark]  
08:30 OP-BN07-1  
TECHNIQUE DIFFERENCES BETWEEN MALE AND FEMALE CROSS-COUNTRY SKIERS WHILE WHOLE BODY, UPPER BODY AND ARM POLING IN A SKI ERGOMETER  
Bucher, E. et al [Switzerland]

08:45 OP-BN07-2  
SEX DIFFERENCES IN COMPENSATION STRATEGIES FROM EXPERIMENTALLY REDUCED MUSCLE FUNCTION  
Benoit, D.L. et al [Canada]

09:00 OP-BN07-3  
SEX DIFFERENCES IN MUSCLE ACTIVATIONS IN ASSOCIATION WITH ANTERIOR CRUCIATE LIGAMENT INJURY  
Smale, K.B. et al [Canada]

09:15 OP-BN07-4  
LEG DOMINANCE AND ACL INJURY RISK IN ELITE AUSTRALIAN FEMALE FOOTBALLERS  
Hill, C. et al [Australia]

09:30 OP-BN07-5  
SEX DIFFERENCES IN THE BIOMECHANICS OF BODY-WEIGHT SINGLE-LEG SQUAT VARIATIONS  
Chapman, C.J. et al [Canada]

09:45 OP-BN07-6  
ENERGY EXCHANGE IN FEMALE POLE VAULT  
Russomanno, G.T. et al [Brazil]

**Live 10 OP-SH24**

**Sociology (Sport and gender)**

Chair(s):  
Burnett, C. [South Africa]  
Rial, C. [Brazil]  
08:30 OP-SH24-1  
"SPORTS DON'T LAST A LIFETIME, BUT I WANT TO LIVE WITH HIM FOREVER": FUNCTIONS AND DYSFUNCTIONS OF SEXUAL RELATIONSHIPS BETWEEN FEMALE ELITE-ATHLETES AND COACHES  
Johansson, S. [Sweden]

08:45 OP-SH24-2  
SPORT AND PEACE BUILDING IN POST-CONFLICT SOCIETIES: THE ROLE OF OPEN FAN FOOTBALL SCHOOLS IN KOSOVO  
Krasniqi, S. [Kosovo]

09:00 OP-SH24-3  
ZLATAN IBRAHIMOVIC – A POST-COLONIAL READ OF AN INDIVIDUAL SPORT TRADEMARK  
Johan, E. [Sweden]

09:15 OP-SH24-4  
ORGANISATION AND LEADERSHIP CHANGES REASONS FOR TEENAGE GIRLS TO DROP OUT FROM SPORT  
Eliasson, I. et al [Sweden]

**Saturday, June 27<sup>th</sup> 10:20 - 11:50**

**High Live 1 IS-PM05**

**ROLE OF GLYCOGEN IN SKELETAL MUSCLE REGULATION AND FUNCTION**

Chair(s):  
Ørtenblad, N. [Denmark]  
10:20 IS-PM05-1  
ROLE OF GLYCOGEN IN SKELETAL MUSCLE SR CA2+ REGULATION  
Ørtenblad, N. [Denmark]

10:50 IS-PM05-2  
SINGLE MUSCLE FIBRE ANALYSIS OF PROTEINS IMPORTANT FOR GLYCOGEN METABOLISM IN SKELETAL MUSCLE FROM TRAINED CYCLISTS FOLLOWING HIGH-INTENSITY AND AEROBIC-INTENSITY BOUTS OF EXERCISE.  
Murphy, R. et al [Australia]

11:20 IS-PM05-3  
INTRACELLULAR COMPARTMENTALIZATION AS A REGULATOR OF GLYCOGEN METABOLISM AND INSULIN SIGNALING  
Prats, C. [Denmark]

**Kuben IS-PM14**

**EFFECT OF SCHOOL BASED PHYSICAL ACTIVITY INTERVENTIONS**

Chair(s):  
Andersen, L. [Denmark]  
10:20 IS-PM14-1  
TWO DANISH SCHOOL-BASED PHYSICAL ACTIVITY INTERVENTIONS  
Bugge, A. et al [Denmark]

10:50 IS-PM14-2  
EFFECTS OF A 2-YEAR SCHOOL-BASED DAILY PHYSICAL ACTIVITY INTERVENTION. THE SOGNDAL SCHOOL-INTERVENTION STUDY.  
Resaland, G.K. et al [Norway]

11:20 IS-PM14-3  
EFFECTS OF SCHOOL-BASED PHYSICAL ACTIVITY INTERVENTIONS: THE KISS STUDY  
Kriemler, S. et al [Switzerland]

**High Live 2 IS-PM07**

**LIFELONG ENDURANCE TRAINING: MAINTENANCE OF HIGH CARDIOVASCULAR AND OXIDATIVE METABOLIC PERFORMANCE WITH AGING: IN HONOUR OF BENGT SALTIN \***

Chair(s):  
Boushel, R. [Sweden]  
10:20 IS-PM07-1  
CENTRAL HAEMODYNAMICS DURING EXERCISE  
Calbet, J.A. [Spain]

10:50 IS-PM07-2  
LONGITUDINAL PUMPING IS PRESERVED WITH LIFELONG ENDURANCE TRAINING AND IS AN INDEPENDENT PREDICTOR OF MAXIMAL CARDIAC OUTPUT  
Steding-Ehrenborg, K. et al [Sweden]

11:20 IS-PM07-3  
ENDOTHELIAL-MEDIATED VASODILATION AND MUSCLE VASCULAR CONDUCTANCE DURING EXERCISE  
Mortensen, S.P. [Denmark]

11:50 IS-PM07-4  
LIFELONG TRAINING KEEPS MITOCHONDRIA YOUNG  
Boushel, R. [Sweden]

# Oral & Invited Presentations

## High Live 3

IS-PM15

### RECENT DEVELOPMENTS IN ALTITUDE AND HYPOXIC TRAINING SPONSORED BY ASPETAR

Chair(s):  
Girard, O. [Switzerland]  
Schumacher, Y. [Qatar]

10:20 IS-PM15-1  
DOES ALTITUDE TRAINING ACTUALLY IMPROVE ENDURANCE PERFORMANCE IN ATHLETES? A CRITICAL REVIEW OF THE DIFFERENT METHODS  
Robach, P. [France]

10:50 IS-PM15-2  
SANGUINE ALTITUDE – OVERLY OPTIMISTIC OR DOES THE EVIDENCE STACK UP?  
Gore, C. [Australia]

11:20 IS-PM15-3  
INNOVATIONS IN HYPOXIC TRAINING TO MAXIMIZE PHYSICAL PERFORMANCE: FROM ENDURANCE ATHLETES... TO TEAM-SPORT PLAYERS... TOWARD PATIENTS  
Millet, G. [Switzerland]

## High Live 4

IS-BN08

### MENTAL AND COGNITIVE TRAINING: IMPORTANCE FOR SKILL LEARNING, REHABILITATION AND SPORTS ACTIVITIES – MECHANISMS AND APPLICATIONS

Chair(s):  
Zijdwind, I. [Netherlands]

10:20 IS-BN08-1  
MINOR EFFECTS OF A FATIGUING RECUMBENT CYCLING TASK ON FATIGABILITY OF A HAND MUSCLE  
Zijdwind, I. et al [Netherlands]

10:50 IS-BN08-2  
MENTAL TRAINING OF FINE MOTOR SKILLS  
Leukel, C. et al [Germany]

11:20 IS-BN08-3  
IMPACT OF COMPUTERIZED COGNITIVE TRAINING DURING PERIODS OF INACTIVITY  
Marusic, U. [Slovenia]

11:50 IS-BN08-4  
EFFECT OF MOTOR IMAGERY AND MOVEMENT OBSERVATION ON POSTURAL CONTROL AND SENSORIMOTOR FUNCTION OF THE CERVICAL SPINE  
Taube, W. [Switzerland]

## Live 1

IS-BN01

### DIGITAL SUPPORT SYSTEMS IN RECREATIONAL AND ELITE SPORTS

Chair(s):  
Sjøgaard, G. [Denmark]

10:20 IS-BN01-1  
TECHNICAL SUPPORT SYSTEMS IN SPORTS: ADAPTED TO INDIVIDUAL NEEDS  
Wolf, P. et al [Switzerland]

10:50 IS-BN01-2  
WEARABLE COMPUTING SYSTEMS FOR RECREATIONAL AND ELITE SPORTS  
Eskofier, B. [Germany]

11:20 IS-BN01-3  
TOWARDS INTELLIGENT FEEDBACK SYSTEMS  
Baca, A. [Austria]

## Live 2

IS-SH07

### Lars Magnus Engström Memorial Session

Chair(s):  
Larsson, H. [Sweden]

10:20 IS-SH07-1  
A PHILOSOPHICAL PERSPECTIVE ON THE RELATIONSHIP BETWEEN THE LOGIC OF SPORT AND THE ETHICS OF SPORT.  
Schneider, A. [Canada]

10:50 IS-SH07-2  
THE LOGICS OF PRACTICE IN SPORTS – OUTLINE OF A THEORY  
Larsson, H. [Sweden]

11:20 IS-SH07-3  
THE LOGIC OF SPORT AND THE PRACTICE OF SPORT  
Parry, J. [Czech Republic]

## Live 3

OP-SH10

### Psychology (Training and Exercise)

Chair(s):  
Balaguer, I. [Spain]  
Granér, S. [Sweden]

10:20 OP-SH10-1  
PERSPECTIVES ON TRAINING APPLIED SPORT PSYCHOLOGISTS IN AUSTRALIA  
Marchant, D. [Australia]

10:35 OP-SH10-2  
10-YEAR CUMULATIVE AND BIDIRECTIONAL ASSOCIATIONS OF PHYSICAL ACTIVITY AND SEDENTARY BEHAVIOUR DOMAINS WITH HEALTH-RELATED QUALITY OF LIFE IN FRENCH ADULTS  
Omorou, A. et al [France]

10:50 OP-SH10-3  
INVESTIGATING THE INTERACTION BETWEEN THE BIG-FIVE AND DISPOSITIONAL COPING IN SPORT  
Kaiseler, M. et al [United Kingdom]

11:05 OP-SH10-4  
COMPETENCES REQUIRED BY ELITE ATHLETES IN TERTIARY EDUCATION  
De Brandt, K. et al [Belgium]

## Live 4

OP-PM47

### Training & Testing: Fatigue II

Chair(s):  
Knez, W. [Sweden]  
Fritzdorf, S. [Sweden]

10:20 OP-PM47-1  
THE IMPACT OF A 3 WEEKS DETRAINING PERIOD ON FOREARM MUSCLE PERFUSION AND OXYGENATION IN MALE AND FEMALE ROWERS DURING INCREMENTAL HANDGRIP EXERCISE  
Celie, B. et al [Belgium]

10:35 OP-PM47-2  
MUSCLE TISSUE DESATURATION IN TRAINED MALE AND FEMALE CYCLISTS  
van der Zwaard, S. et al [Netherlands]

10:50 OP-PM47-3  
MAXIMAL AEROBIC POWER ASSESSMENT FOR PERFORMANCE: SHOULD WE CONSIDER SKELETAL MUSCLE OXYGENATION AND MINUTE VENTILATION?  
Lajoie, C. et al [Canada]

11:05 OP-PM47-4  
USING DIFFERENTIAL RATINGS OF PERCEIVED EXERTION TO MEASURE INTERNAL LOAD  
McLaren, S.J. et al [United Kingdom]

11:20 OP-PM47-5  
FASTER HEART RATE RECOVERY WITH INCREASED RPE LEVELS AFTER AN 87 KM ULTRA-MARATHON: PARADOXICAL FINDINGS WITH IMPLICATIONS FOR MONITORING ATHLETES  
Lamberts, R.P. et al [South Africa]

11:35 OP-PM47-6  
MEASURING THE FATIGUE EFFECT ON ICE HOCKEY SKILLS DURING A TESTING PROTOCOL CONDUCTED AMONG ELITE HOCKEY PLAYERS  
Lemoyne, J. et al [Canada]

## Live 5

OP-PM75

### Molecular Biology and Biochemistry

Chair(s):  
Holm, L. [Denmark]

10:20 OP-PM75-1  
RELIABILITY OF TRUNK MUSCLE ELECTROMYOGRAPHY DURING LOADED BACK SQUAT EXERCISE.  
Clark, D. et al [Ireland]

10:35 OP-PM75-2  
NEUROMUSCULAR FATIGUE DURING LOW-INTENSITY ISOMETRIC EXERCISE WITH BLOOD FLOW RESTRICTION  
Brandner, C. et al [Australia]

10:50 OP-PM75-3  
LONG-RANGE CORRELATIONS IN THE FLUCTUATIONS OF STANCE, SWING AND DOUBLE-SUPPORT TIMES IN NORMAL WALKING  
Mickel, C. et al [Germany]

11:05 OP-PM75-4  
CORTICAL CONTROL OF GAIT FUNCTION IN PEOPLE WITH PARKINSON'S DISEASE: A PILOT STUDY  
Roeder, L. et al [Australia]

11:20 OP-PM75-5  
EFFECTS OF ECCENTRIC WORKLOADS ON MUSCLE MICROCIRCULATION AND NEUROMECHANICAL CHARACTERISTICS OF THE KNEE EXTENSOR MUSCLES  
Yin, N. et al [Taiwan]

**Live 6****OP-PM53****Health & Fitness: Lifestyle II**

Chair(s):

Eek, F. [Sweden]

Knez, K. [Sweden]

10:20 OP-PM53-1  
THE EFFECT OF DIFFERENT EXERCISE TYPES ON BODY COMPOSITION IN YOUNG ADULTS  
Drenowatz, C. et al [United States]

10:35 OP-PM53-2  
ADULT PARTICIPATION IN PHYSICAL ACTIVITY AND MUSCLE STRENGTHENING EXERCISES: RESULTS FROM THE AUSTRALIAN NATIONAL NUTRITION AND PHYSICAL ACTIVITY SURVEY  
Bennie, J.A. et al [Australia]

10:50 OP-PM53-3  
DEVIATION BETWEEN SELF-REPORTED AND MEASURED OCCUPATIONAL PHYSICAL ACTIVITY LEVELS IN OFFICE EMPLOYEES: EFFECTS OF AGE AND BODY-COMPOSITION  
Donath, L. et al [Switzerland]

11:05 OP-PM53-4  
OBJECTIVELY MEASURED PHYSICAL ACTIVITY IN A WEB-BASED INTERVENTION ON PERSONALIZED NUTRITION: FINDINGS OF THE FOOD4ME STUDY  
Marsaux, C. [Netherlands]

11:20 OP-PM53-5  
STUDY ON INNOVATIONS OF SPORT FOR ALL MANAGEMENT IN CHINA  
Wang, Y. [China]

**Live 7****OP-PM55****Health & Fitness: Obesity**

Chair(s):

Vikman, J. [Sweden]

Van Lieshout, J. [Netherlands]

10:35 OP-PM55-2  
CUT-OFF POINTS OF HEALTH-RELATED FITNESS ASSOCIATED WITH METABOLIC SYNDROME IN KOREAN MEN AND WOMEN  
Park, S. et al [Korea, South]

10:50 OP-PM55-3  
IMPROVEMENT IN QUALITY OF LIFE AFTER INTENSIVE LIFESTYLE INTERVENTION IS RELATED TO MAINTENANCE OF WEIGHT LOSS  
Nielsen, M. et al [Denmark]

11:05 OP-PM55-4  
GASTRIC BYPASS PATIENTS DO NOT CHANGE EXERCISE HABITS AFTER SURGERY  
Lund, M.T. et al [Denmark]

**Live 8****OP-BN09****Biomechanics Mixed session**

Chair(s):

Linnamo, V. [Finland]

Hettinga, F. [United Kingdom]

10:20 OP-BN09-1  
THE MECHANICAL POWER OUTPUT – VELOCITY CURVE OF THE VELOTRON CYCLING ERGOMETER, AND ITS RELEVANCE FOR CYCLING PERFORMANCE AND PACING RESEARCH.  
Schoenmakers, P.P.J.M. et al [United Kingdom]

10:35 OP-BN09-2  
ENERGY COSTS AND LEG MUSCLE ACTIVITIES IN ASCENDING STAIRS  
Halder, A. et al [Sweden]

**OP-BN09-3**

MOTOR UNIT FIRING RATE RESPONSES TO ECCENTRIC EXERCISE-INDUCED MUSCLE DAMAGE  
Macgregor, L. [United Kingdom]

**Live 10****OP-SH25****Sociology (Sport and gender)**

Chair(s):

Fasting, K. [Norway]

Fundberg, J. [Sweden]

10:20 OP-SH25-1  
TRANSCENDING GENDER HIERARCHIES? YOUNG PEOPLE AND FLOORBALL IN SWEDISH SCHOOL SPORT  
Larneby, M. [Sweden]

10:35 OP-SH25-2  
THE ROLE OF EMOTIONAL RELATIONS IN ADVANCING GENDER EQUALITY IN SPORT GOVERNANCE  
Adriaanse, J. [Australia]

10:50 OP-SH25-3  
THE IMPACT OF GENDER QUOTAS IN SPORT LEADERSHIP IN NORWAY  
Sisjord, M.K. et al [Norway]

11:05 OP-SH25-4  
DISTRIBUTIONAL LOGICS OF THE SWEDISH OLYMPIC COMMITTEE  
Hellborg, A. [Sweden]

11:20 OP-SH25-5  
EMANCIPATING MOVEMENTS: AN INVESTIGATION OF FEMALE PARTICIPANTS' EXPERIENCES OF FITNESS PRACTICES THROUGH COLLECTIVE MEMORY WORK  
Bladh, G. [Sweden]

# Mini-Oral Presentations

Wednesday, June 24th

13:00 - 14:00

## MO-PM01 Training & Testing

LECTURE ROOM: HIGH LIVE 1

Chair(s):

Wagner, H. [Austria]  
Hettinga, F. [United Kingdom]

MO-PM01-1 [YIA]  
RISK FACTORS FOR ANKLE SPRAINS SUSTAINED DURING NETBALL PARTICIPATION  
Attenborough, A.S. et al [Australia]

MO-PM01-2 [YIA]  
EFFECTS OF UNSPECIFIC ENDURANCE EXERCISE ON SPECIFIC SPRINT PERFORMANCE IN INLINE SPEED SKATING  
Stangier, C. et al [Germany]

MO-PM01-3 [YIA]  
THE IMPACT OF DATA AVERAGING STRATEGIES ON VO2MAX  
Martin-Rincon, M. et al [Spain]

MO-PM01-4 [YIA]  
INFLUENCE OF A DIFFERENT FAMILIARISATION ON TIME TRIAL PACING IN NOVICE PARTICIPANTS  
Hibbert, A.W. et al [Australia]

MO-PM01-5 [YIA]  
HIGH-INTENSITY DISTANCE IN ELITE FEMALE SOCCER PLAYERS BASED ON A GENDER-SPECIFIC THRESHOLD  
Bellistri, G. et al [Italy]

MO-PM01-6 [YIA]  
ASSOCIATIONS BETWEEN VARIOUS INTENSITIES OF PHYSICAL ACTIVITY AND PHYSICAL FITNESS IN ADOLESCENTS  
Kidokoro, T. et al [Japan]

MO-PM01-7 [YIA]  
THE CONTRIBUTION OF SKELETAL MUSCLE VOLUME AND ARCHITECTURE TO SOCCER-SPECIFIC POWER IN ELITE AND RECREATIONAL YOUTH

SOCCER PLAYERS  
Murtagh, C.F. et al [United Kingdom]

## MO-BN01 Motor learning & Biomechanics

LECTURE ROOM: HIGH LIVE 4

Chair(s):

Taube, W. [Switzerland]  
Federalof, P. [Norway]

MO-BN01-1 [YIA]  
ATTENTION CONTRIBUTES TO LOW FIDELITY IMITATION OF BIOLOGICAL KINEMATICS IN AUTISM SPECTRUM DISORDERS  
Andrew, M. et al [United Kingdom]

MO-BN01-2 [YIA]  
AGE RELATED DEPENDENCY ON VISUAL INPUT IN ORDER TO MENTALLY SIMULATE POSTURAL TASKS: AN FMRI STUDY  
Mouthon, A. et al [Switzerland]

MO-BN01-3 [YIA]  
COMPARISON OF MUSCLE SYNERGIES DURING TREADMILL RUNNING BETWEEN DIFFERENT FOOT STRIKE PATTERNS  
Nishida, K. et al [Japan]

MO-BN01-4 [YIA]  
POSTACTIVATION POTENTIATION INDUCED BY REACTIVE JUMPS COUNTERACTS STRETCH-INDUCED MUSCLE TWITCH DECLINES IN THE TRICEPS SURAE MUSCLE  
Kümmel, J. et al [Germany]

MO-BN01-5 [YIA]  
KNEE MUSCLE TENDON COMPLEX FORCES RATIO AND BIOMECHANICAL ANALYSIS IN SQUATTING  
Berdajs, M. et al [Slovenia]

MO-BN01-6 [YIA]  
A DESCRIPTIVE OBSERVATIONAL STUDY OF STROKE CHARACTERISTICS IN TEAM BOAT <K2> SPRINT KAYAKING  
Tay, C.S. et al [Singapore]

MO-BN01-7 [YIA]  
MECHANICAL AND MORPHOLOGICAL PROPERTIES OF THE HUMAN QUADRICEPS MUSCLE-TENDON UNIT AFTER WHOLE-BODY VIBRATION

TRAINING  
Rieder, F. et al [Austria]

MO-BN01-8 [YIA]  
INTERACTION BETWEEN HIP ANGLE, KNEE ANGLE AND KNEE ANGULAR VELOCITY WHEN MEASURING ISOKINETIC KNEE TORQUE  
Jongerius, N. et al [United Kingdom]

## MO-PM03 Muscle, Molecular Biology and Biochemistry

LECTURE ROOM: LIVE 1

Chair(s):

Murphy, R. [Australia]  
Raastad, T. [Norway]

MO-PM03-1 [YIA]  
EXERCISE INDUCES ADAPTIVE GENE EXPRESSION THROUGH NOX2-DEPENDENT REACTIVE OXYGEN SPECIES IN SKELETAL MUSCLE.  
Henríquez-Olguín, C. et al [Chile]

MO-PM03-2 [YIA]  
MYOSIN HEAVY-CHAIN 2X EXPRESSION INTERACTS WITH ACUTE REGULATION OF PGC-1ALPHA SPLICED-4 <S4> FOLLOWING STRENGTH EXERCISE WITH LOW AND MODERATE VOLUME  
Hammarström, D. et al [Norway]

MO-PM03-3 [YIA]  
ASSOCIATION BETWEEN THE IGF2/ACE GENOTYPE COMBINATION AND JUDO STATUS  
Itaka, T. et al [Japan]

MO-PM03-4 [YIA]  
ACTOVEGIN, A NON-PROHIBITED DRUG, MAKES HUMAN SKELETAL MUSCLE MORE OXIDATIVE  
Søndergård, S. et al [Denmark]

MO-PM03-5 [YIA]  
TWO BLOCKS OF HIGH FREQUENCY LOW-LOAD BLOOD FLOW RESTRICTED RESISTANCE EXERCISE INCREASED MYONUCLEAR NUMBER IN TYPE 1 FIBERS IN NATIONAL LEVEL POWERLIFTERS  
Bækken, L. et al [Norway]

## MO-SH01 Social Sciences and Humanities in Sport

LECTURE ROOM: LIVE 2

Chair(s):

Fasting, K. [Norway]  
Henrik, G. [Sweden]

MO-SH01-1 [YIA]  
DROPOUT IN GERMAN AGE-GROUP SWIMMING  
Staub, I. et al [Germany]

MO-SH01-2 [YIA]  
COACH LEADERSHIP AND GENDER IN NORWEGIAN AMATEUR BOXING  
Tjøndal, A. [Norway]

MO-SH01-3 [YIA]  
INCREASED PHYSICAL ACTIVITY IN SCHOOL IMPROVES SCHOOL RESULTS IN BOYS  
Fritz, J. et al [Sweden]

MO-SH01-4 [YIA]  
DEVELOPMENT OF EXCELLENCE IN YOUNG NORWEGIAN ATHLETES - THE IMPORTANCE OF SELF-DETERMINED MOTIVATION AND SELF-REGULATORY COMPETENCIES  
Jordalen, G. et al [Norway]

MO-SH01-5 [YIA]  
THE MEDIATION ROLE OF BARRIER EFFICACY WITHIN TASK EFFICACY-PHYSICAL ACTIVITY AND ENJOYMENT-PHYSICAL ACTIVITY RELATIONSHIP  
Zhang, S. et al [Hong Kong]

MO-SH01-6 [YIA]  
INFELDERS OF BASEBALL AND SOFTBALL HAVE AN OUTSTANDING PERFORMANCE ON ATTENTION SHIFTING TASK  
Chiang, C. et al [Taiwan]

## MO-SH04 Psychology I

LECTURE ROOM: LIVE 3

Chair(s):

Johnson, U. [Sweden]  
Hutter, V. [Netherlands]

MO-SH04-1  
PHYSICAL ACTIVITY INTENSION MODEL THROUGH EXTRAVERSION AND NEUROTICISM TRAIT OF PERSONALITY AND BODY IMAGE  
Naritasari, I. et al [Indonesia]

MO-SH04-2  
THE IMPORTANCE OF SELF-REGULATION IN ATHLETE DEVELOPMENT  
Green, D.K. et al [Australia]

MO-SH04-3  
PSYCHOLOGICAL ASPECTS, INFLAMMATORY AND INJURY BIOMARKERS AFTER THE SÃO PAULO INTERNATIONAL MARATHON  
Jones, J. et al [Brazil]

MO-SH04-4  
THE ROAD TO SUCCESS: ANALYSING THE PROGRESSION OF MALE HANDBALL PLAYERS AND CONSTANT YEAR EFFECT IN DANISH NATIONAL TEAMS.  
Lilholt, R.M. et al [Denmark]

MO-SH04-5  
SPORT INJURY PERCEPTIONS AND COPING STRATEGIES: A STUDY WITH MALE YOUTH SOCCER PLAYERS OF BELGIAN ELITE TEAMS  
De Cuyper, B. et al [Belgium]

MO-SH04-6  
VARIATION OF BURNOUT AND SELF-ESTEEM IN ACCORDANCE WITH SPORTS EXPERIENCE  
Cantu-Berrueto, A. et al [Mexico]

MO-SH04-7  
BURNOUT CORRELATES IN GRASSROOTS FOOTBALL COACHES: PERFECTIONISM AND UNCONDITIONAL SELF-ACCEPTANCE  
Castillo, I. et al [Spain]

MO-SH04-8  
EXERCISE FOR CLINICAL DEPRESSION: A SYSTEMATIC REVIEW ANALYZING SEVERAL QUESTIONS  
Carneiro, L. et al [Portugal]

## MO-PM07 Adapted physical activity: Challenges

LECTURE ROOM: LIVE 4

Chair(s):

Fundberg, J. [Sweden]  
Ericsson, I. [Sweden]

MO-PM07-1  
AEROBIC 3-MONTH PHYSICAL ACTIVITY PROGRAM IN BREAST CANCER SURVIVORS: EFFECTS ON SLEEP BEHAVIOR, ANTHROPOMETRIC INDICES OF ADIPOSITY AND FASTING GLUCOSE METABOLISM.  
Vitale, J.A. et al [Italy]

MO-PM07-2  
DEVELOPMENT OF A TWO-PART EXERCISE MODEL TO ENHANCE PHYSICAL ACTIVITY LEVELS IN PEDI-  
ATRIC CANCER PATIENTS DURING ACUTE CANCER TREATMENT  
Götte, M. et al [Germany]

MO-PM07-3  
IMPACT OF A SOCIAL MEDIA EXERCISE SERVICE ON PHYSICAL FITNESS, PHYSICAL ACTIVITY, WELL-BEING AND BODY WEIGHT  
Santtila, M. et al [Finland]

MO-PM07-4  
ETHNIC DIFFERENCES IN MODERATE-TO-VIGOROUS PHYSICAL ACTIVITY IN PREGNANCY AND POSTPARTUM  
Richardson, K.R. et al [Norway]

### MO-BN04 Mixed

LECTURE ROOM: LIVE 5  
Chair(s):  
Linnamo, V. [Finland]  
Hodson-Tole, E. [United Kingdom]

MO-BN04-1  
BIOMECHANICAL ASSESSMENT OF SWISS PRESS HANDSTAND TECHNIQUE IN COLLEGIATE MALE GYMNASTS.  
Kashiwagi, Y. et al [Japan]

MO-BN04-2  
SPRINGY BEHAVIOR OF THE LONGITUDINAL FOOT ARCH DURING ANKLE BENDING EXERCISE AT DIFFERENT MOVEMENT FREQUENCIES  
Iwanuma, S. et al [Japan]

MO-BN04-3  
RUNNING PATTERN ADJUSTMENTS DURING UNWEIGHING AND RELOADING TRANSITION PHASES  
Chavet, P. et al [France]

### MO-PM06 Adapted physical activity: Sport & disability

LECTURE ROOM: LIVE 6  
Chair(s):  
Sörensen, M. [Norway]  
Perret, C. [Switzerland]

MO-PM06-1  
CARDIORESPIRATORY RESPONSE DURING WHEELCHAIR DANCE AND AUTONOMOUS REGULATION IN BEDRIDDEN INDIVIDUALS  
Terada, K. et al [Japan]

MO-PM06-2  
COMPARISON OF ADAPTIVE AND COMPETITIVE SWIMMING INSTRUCTORS  
Bokor, J. [Hungary]

MO-PM06-3  
FUNDAMENTAL MOVEMENT SKILLS MASTERY OF BOYS WITH AND WITHOUT INTELLECTUAL DISABILITY IN THE PHILIPPINES  
Eguia, K.F. et al [Philippines]

MO-PM06-4  
THE EFFECTS OF SKIN SCUBA PROGRAM ON CONCENTRATION AND SELF-REGULATION OF AUTISTIC CHILDREN  
Hwang, Y.S. et al [Korea, South]

### MO-PM11 Health & Fitness: Age

LECTURE ROOM: LIVE 7  
Chair(s):  
Jakobi, J. [Canada]  
Sipila, S. [Finland]

MO-PM11-1  
CHANGES IN FIRE FIGHTER FITNESS AND PERFORMANCE OVER AN 18 YEAR PERIOD  
Williford, H. et al [United States]

MO-PM11-2  
DIVERSITY OF ADOLESCENTS' SPORT PARTICIPATION AS A PREDICTOR OF LEISURE-TIME PHYSICAL ACTIVITY IN ADULTHOOD  
Mäkelä, S. et al [Finland]

MO-PM11-3  
THE SEASONAL-RELATED VARIATION ON PHYSICAL FITNESS IN AGED POPULATION  
Bezerra, P. et al [Portugal]

MO-PM11-4  
EFFECTS OF CIRCUIT TRAINING ON PHYSICAL PERFORMANCE, BODY COMPOSITION FOR THE FRAIL ELDERLY LIVING IN A RESIDENTIAL CARE FACILITY  
Hou, M.T. et al [Taiwan]

MO-PM11-5  
EFFECTS OF 12 WEEKS OF MULTI-COMPONENT VS. WBV TRAINING ON STRENGTH IN POSTMENOPAUSAL WOMEN  
Alcaraz, P.E. et al [Spain]

MO-PM11-6  
FACILITATING DAILY PHYSICAL ACTIVITY, COGNITIVE EXECUTIVE FUNCTION, AND MENTAL HEALTH AMONG ELDERLY PEOPLE: A ONE-YEAR INTERVENTION  
Kimura, K. et al [Japan]

MO-PM11-7  
THE EFFECTS OF RESISTANCE, AEROBIC AND COMBINED TRAINING AND DETRAINING ON MUSCLE STRENGTH IN CORONARY ARTERY DISEASED PATIENTS  
Panayiotou, G. et al [Cyprus]

MO-PM11-8  
PARTICIPATION OF SENIORS IN LONG-DISTANCE RUNNING RACES IN POLAND AND SWEDEN.  
Czajka, K. et al [Poland]

MO-PM11-9  
APPLICABILITY OF ULTRASOUND MUSCLE THICKNESS MEASUREMENTS FOR PREDICTING QUADRICEPS FEMORIS MUSCLE VOLUME IN MIDDLE-AGED AND ELDERLY POPULATION.  
Nakatani, M. et al [Japan]

MO-PM11-10  
COMPARISON OF POLAR LOOP AND ACTIGRAPH ACTIVITY MONITORS IN DETECTING PHYSICAL ACTIVITY AND SEDENTARY TIME IN DAILY LIVING

AMONG ADULTS  
Tanskanen, M.M. et al [Finland]

### MO-BN06 Coaching: Mixed session

LECTURE ROOM: LIVE 8  
Chair(s):  
Redelius, K. [Sweden]  
Fujita, S. [Japan]

MO-BN06-1  
A STUDY ON NATIONAL QUALIFICATION TRAINING PROGRAMS FOR SPORTS INSTRUCTOR IN SOUTH KOREA  
Kim, S.H. et al [Korea, South]

MO-BN06-2  
TRAINING RELATED TO ALTERATIONS: POSTURAL ANALYSIS AND BIOMECHANICS OF GAIT IN BALLET  
Coppola, S. et al [Italy]

MO-BN06-3  
WHAT IS HUMANISTIC LITERACY FOR COACHES?  
Kim, J. [Korea, South]

MO-BN06-4  
PASSIVE DRAG IN YOUNG SWIMMERS  
Ciapparelli, C. et al [Italy]

MO-BN06-5  
EFFECT OF HAND PADDLES ON INTRA-ABDOMINAL PRESSURE DURING MAXIMAL FRONT CRAWL SWIMMING  
Moriyama, S. et al [Japan]

MO-BN06-6  
BASKETBALL GAMES LOAD MEASUREMENT USING COMMERCIAL ACCELEROMETRY  
Moreno, D. et al [Spain]

MO-BN06-7  
CONTACT TECHNIQUE AND CONCUSSIONS IN THE SOUTH AFRICAN UNDER-18 COCA-COLA CRAVEN WEEK RUGBY TOURNAMENT  
Hendricks, S. et al [South Africa]

MO-BN06-8  
FROM MILITARY NORMS TO INDIVIDUAL COACHING: A CHANGING EDUCATIONAL DISCOURSE AS

AN ANSWER TO COMMERCIAL CHALLENGES IN SWEDISH RIDING SCHOOLS  
Thorell, G. et al [Sweden]

MO-BN06-9  
GOLF - PATHWAYS AND SCORES, CLUBS AND HOLES  
Brito, A. et al [Portugal]

### MO-SH02 Physical Education and Pedagogics I

LECTURE ROOM: LIVE 10  
Chair(s):  
Larsson, H. [Sweden]  
Pfister, G. [Denmark]

MO-SH02-1  
EFFECT OF USING VISUAL INFORMATION IN SELF-CHECK STYLE ON GRAB START SKILL RETENTION, KNOWLEDGE, AND ANXIETY LEVEL.  
Coşkun, H. [Turkey]

MO-SH02-2  
DANCE PERFORMANCES ON SPORTS DAY IN JAPANESE SCHOOLS  
Hatano, Y. [Japan]

MO-SH02-3  
EMPIRICAL RESEARCH ON THE DEVELOPMENTAL LEVEL AND DOMAIN OF SPORTSMANSHIP  
Park, J. [Korea, South]

MO-SH02-4  
RELATIONS OF PHYSICAL ACTIVITY LEVEL AND MOTOR COMPETENCE OF CHILDREN AGED TEN  
Serbetar, I. [Croatia]

MO-SH02-5  
MARTIAL ARTS AND COMBAT SPORTS AS SCHOOL EDUCATION SUBJECT  
Correia, W. [Brazil]

# Mini-Oral Presentations

Wednesday, June 24th

14:00 - 15:00

## MO-PM02 Nutrition, training adaptation and performance

LECTURE ROOM: HIGH LIVE 1  
Chair(s):  
Cotter, J. [New Zealand]  
Wall, B. [United Kingdom]

MO-PM02-1 [YIA]  
EFFECT OF PROTEIN SUPPLEMENTATION ON MUSCULAR ADAPTATIONS IN RESPONSE TO STRENGTH TRAINING IN ELDERLY ADULTS.  
Stragier, S. et al [Belgium]

MO-PM02-2 [YIA]  
CAFFEINE AND EXERCISE PERFORMANCE IN ALTITUDE  
Stadheim, H.K. et al [Norway]

MO-PM02-3 [YIA]  
COMBINED INGESTION OF GLUCOSE AND FRUCTOSE DOES NOT FURTHER ACCELERATE POST-EXERCISE MUSCLE GLYCOGEN REPLETION IN TRAINED CYCLISTS  
Trommelen, J. et al [Netherlands]

MO-PM02-4 [YIA]  
SUPPLEMENTATION WITH MILK PROTEIN PROMOTES SIMILAR CHANGES IN STRENGTH AND MUSCLE MASS AS ISOCALORIC SUPPLEMENTATION OF NATIVE WHEY DURING 11 WEEKS OF STRENGTH TRAINING IN ELDERLY  
Johansen, M. et al [Norway]

MO-PM02-5 [YIA]  
DIETARY DETERMINANTS OF THE MAXIMAL CAPACITY FOR FAT OXIDATION DURING EXERCISE  
Fletcher, G. et al [United Kingdom]

MO-PM02-6 [YIA]  
EFFECTS OF DIFFERENT TIMING OF ICE SLURRY INGESTION BEFORE EXERCISE ON ENDURANCE EXERCISE CAPACITY AND THERMOREGULATION  
Takeshima, K. et al [Japan]

MO-PM02-7 [YIA]  
THE INFLUENCE OF BEETROOT JUICE ON RECOVERY FROM A SINGLE BOUT OF STRENUOUS EXERCISE  
Clifford, T. et al [United Kingdom]

MO-PM02-8 [YIA]  
ACUTE EFFECTS OF GUM CHEWING AND HIGH INTENSITY EXERCISE ON APPETITE-REGULATING HORMONES AND ENERGY INTAKE  
Kashiwabara, K. et al [Japan]

## MO-BN03 Kinematics

LECTURE ROOM: HIGH LIVE 4  
Chair(s):  
Svensson, I. [Sweden]  
Federolf, P. [Norway]

MO-BN03-1  
SPECIFIC BIOMECHANICAL DIFFERENCES EXIST ACROSS SKILL LEVELS FOR HIGH VELOCITY FOOTBALL KICKS  
Bauer, M. et al [Canada]

MO-BN03-2  
DIFFERENCES IN RANGE OF MOTION AND FEET PRESSURE BETWEEN SKIING WITH AND WITHOUT RIFLE IN FEMALE BIATHLETES.  
Jonsson, M. et al [Sweden]

MO-BN03-3  
GAIT ANALYSIS OF OBESE ADOLESCENT'S UPHILL WALK: KINEMATIC AND KINETIC ADAPTATIONS COMPARED TO NORMAL WEIGHT ADOLESCENTS  
Strutzenberger, G. et al [Austria]

MO-BN03-4  
DAILY CHANGES OF INDIVIDUAL GAIT PATTERNS  
Horst, F. et al [Germany]

MO-BN03-5  
A KINEMATIC COMPARISON OF NON-MOTORIZED TREADMILL AND OVERGROUND WALKING  
Hirano, T. et al [Japan]

MO-BN03-6  
USE OF MOTION CAPTURE SYSTEM IN RUSSIAN TEAMS TRAINING FOR SOCHI OLYMPIC GAMES  
Shestakov, M. [Russia]

MO-BN03-7  
ALGORITHM FOR BIOMECHANICAL RESEARCH OF A COMPETITIVE ROUTINE IN TRAMPOLINE  
Angelov, V. [Bulgaria]

MO-BN03-8  
EFFECT OF BODY MASS ON KINETIC VARIABLES DURING A BASKETBALL LAYUP  
Nin, Z.D. et al [Singapore]

## MO-PM05 Oxygen transport, VO2max and energy expenditure

LECTURE ROOM: LIVE 1  
Chair(s):  
Close, G. [United Kingdom]  
Nordsborg, N. [Denmark]

MO-PM05-1 [YIA]  
OXYGEN TRANSPORT, DIFFUSION AND UTILIZATION DURING SPRINT EXERCISE IN HUMANS  
Pérez-Suárez, I. et al [Spain]

MO-PM05-2 [YIA]  
ENERGY COST OF BACKWARD RUNNING AT POSITIVE GRADIENTS  
Rasica, L. et al [Italy]

MO-PM05-3 [YIA]  
IS THE VO2MAX INTENSITY AN EFFECTIVE STIMULUS FOR THE 2000M ROWING RACE?  
Sousa, A. et al [Portugal]

MO-PM05-4 [YIA]  
VALIDITY OF THE DETERMINATION OF ENERGY COSTS DURING A SOCCER SPECIFIC INTERMITTENT SHUTTLE RUN TEST BY MEANS OF METABOLIC POWER CALCULATION - A PILOT STUDY  
Venzke, J. et al [Germany]

MO-PM05-5 [YIA]  
EFFECTS OF 8 - WEEK HIGH INTENSITY INTERVAL TRAINING <HIT> ON ANAEROBIC AND AEROBIC CAPACITY IN TAEKWON-DO ITF ATHLETES  
Batra, A. et al [Poland]

MO-PM05-6 [YIA]  
DETERMINATION OF ENERGY COSTS DURING TWO-DIRECTIONAL MULTI-STAGE SHUTTLE RUN-

NING USING A NOVEL CALCULATION - A PILOT STUDY  
Kirmse, M. et al [Germany]

## MO-SH06 Philosophy & Ethics

LECTURE ROOM: LIVE 2  
Chair(s):  
Rial, C. [Brazil]  
Parry, J. [Czech Republic]

MO-SH06-1  
ETHICAL VALUE OF ORIENTAL MARTIAL ARTS  
Oh, J.D. et al [Korea, South]

MO-SH06-3  
RESEARCH REGARDING THE OCCURRENCE OF NEW ELEMENTS FOR VAULTING TABLE PERFORMANCE IN MEN'S ARTISTIC GYMNASTICS  
Nakasono, M. [Japan]

MO-SH06-4  
KUNG FU CANTON: CULTURE OF MARTIAL ARTS IN GUANGDONG, CHINA  
Guo, Y. et al [China]

## MO-SH05 Psychology II

LECTURE ROOM: LIVE 3  
Chair(s):  
Fryklund, S. [Sweden]  
Henrik, G. [Sweden]

MO-SH05-1  
DEVELOPMENT OF THE CHINESE VERSION OF THE SPORT MOTIVATION SCALE-II: A PILOT STUDY  
Li, C. [Hong Kong]

MO-SH05-2  
PARTICIPANT MOTIVATION: A COMPARISON ACROSS WORLD MASTERS INTERNATIONAL COMPETITIONS  
Heazlewood, I. [Australia]

MO-SH05-3  
PSYCHOPHYSIOLOGICAL AROUSAL, INDIVIDUAL DIFFERENCES AND PERFORMANCE IN ATHLETES  
Üngür, G. et al [Turkey]

MO-SH05-4  
TO BE IN THE ZONE - MEASUREMENT OF STRESS LEVEL WITH EGG THROUGH ELITE MX ATHLETES  
Balogh, L. et al [Hungary]

MO-SH05-5  
HYPERTHERMIA-INDUCED ALTERATION IN COMPLEX COGNITIVE TASK PERFORMANCE IS REVERSED BY 11 DAYS OF HEAT ACCLIMATION  
Gaoua, N. et al [United Kingdom]

MO-SH05-6  
ACUTE PHYSICAL EXERCISE PERFORMED IN HYPOXIC CONDITIONS IMPROVES EXECUTIVE FUNCTIONS  
De Mello, M.T. et al [Brazil]

MO-SH05-7  
THE EFFECT OF MANIPULATING EXERCISE INTENSITY AND SPEED - ACCURACY INSTRUCTIONS ON COGNITIVE PERFORMANCE  
Joyce, J. et al [United Kingdom]

## MO-PM08 Adapted physical activity: Disabilities

LECTURE ROOM: LIVE 4  
Chair(s):  
Magnusson, P. [Denmark]  
Drake, A. [Sweden]

MO-PM08-1  
EFFECTS OF STRENUOUS EXERCISE ON SALIVARY HUMAN NEUTROPHIL PEPTIDES 1-3 AND BLOOD NEUTROPHILS IN YOUNG MALE SUBJECTS  
Hanaoka, Y. et al [Japan]

MO-PM08-2  
INSTRUMENTAL ANALYSIS AS A SUPPORT FOR THE EVALUATION SCALES USED IN GAIT ANALYSIS  
Viscione, I. et al [Italy]

MO-PM08-3  
RELIABILITY AND VALIDITY OF THE CHINESE VERSION OF THE PREGNANCY PHYSICAL ACTIVITY QUESTIONNAIRE  
Mi, X. et al [Japan]



MO-PM08-4  
THE RELATIONSHIP BETWEEN PHYSICAL ACTIVITY, PHYSICAL FITNESS AND OVERWEIGHT AND OBESITY IN CHILDHOOD  
Maxhuni, K. et al [Kosovo]

MO-PM08-5  
THE ELEVATION OF SERUM IRISIN LEVEL AFTER SINGLE BOUT OF EXERCISE DOES NOT MODULATE DIET-INDUCED THERMOGENESIS IN HEALTHY YOUNG ADULTS.  
Naghavi, N. et al [Japan]

**MO-BN05 Motor learning**

LECTURE ROOM: LIVE 5  
Chair(s):  
Taube, W. [Switzerland]  
Nicol, C. [France]

MO-BN05-1  
ANALYSIS OF THE NO RETURN OF POINT HYPOTHESIS: THE EFFECT OF AUDIO AND VISUAL STIMULI IN THE FAST MOVEMENTS INHIBITION  
Saberi Kakhki, A. et al [Iran]

MO-BN05-2  
CHANGES IN COORDINATION DURING LEARNING A GYMNASTICS SKILL  
Williams, G.K.R. et al [United Kingdom]

MO-BN05-3  
DO JUMP ABILITY, SPRINTING AND BALANCE INFLUENCE AGILITY OF JUNIOR HIGH AND HIGH SCHOOL FEMALE SOCCER PLAYERS?  
Inoue, Y. [Japan]

MO-BN05-4  
LEARNING MOVEMENT PHASES DURING EARLY STAGES OF MOTOR LEARNING  
Ghorbani, S. et al [Iran]

MO-BN05-5  
THE ROLE OF VIDEO MANIPULATION IN SKILL ACQUISITION  
Crowther, R.G. et al [Australia]

MO-BN05-6  
HOW TO MAXIMIZE PERFORMANCE? INFLUENCE OF COMBINING AUGMENTED FEEDBACK WITH AN EXTERNAL FOCUS OF ATTENTION AND WITH

REWARD  
Wälchli, M. et al [Switzerland]

MO-BN05-7  
BEHAVIORAL DIFFERENCES IN PRESCHOOL CHILDREN WITH VARYING LEVELS OF MOVEMENT ABILITY DURING FREE PLAY  
Sasaki, R. et al [Japan]

MO-BN05-8  
THE MOTOR PROFICIENCY OF ADOLESCENTS USING MABC-2 AGE BAND 3  
Tan, S.Y.J. [Singapore]

**MO-PM10 Adapted physical activity: Nutrition**

LECTURE ROOM: LIVE 6  
Chair(s):  
Fujita, S. [Japan]  
Ackesson, J. [Sweden]

MO-PM10-1  
THE EFFECTS OF LOW AND HIGH CARBOHYDRATE DIET ON WEIGHT AND FAT LOSS DURING ENERGY RESTRICTION FOR ATHLETES IN SHORT-TERM  
Toguchi, M. [Japan]

MO-PM10-2  
LACTOTRIPEPTIDES SUPPLEMENTATION AFFECTS BRACHIAL ARTERIAL DIAMETER AND MAXIMAL ISOMETRIC FORCE FOLLOWING HIGH-INTENSITY ECCENTRIC EXERCISE.  
Tagawa, K. et al [Japan]

MO-PM10-3  
DOES CAFFEINE SUPPLEMENTATION LEAD TO DEHYDRATION IN TENNIS PERFORMANCE IN CAFFEINE-NAÏVE PLAYERS?  
Mesquita, R. et al [Portugal]

MO-PM10-4  
A SEVEN-DAY HIGH-FAT, HIGH-ENERGY DIET IMPAIRS GLYCAEMIC CONTROL BUT DOES NOT DISRUPT THE POSTPRANDIAL ACYLATED GHRELIN RESPONSE TO A MIXED MEAL  
Parry, S. et al [United Kingdom]

MO-PM10-5  
EFFECT OF LACTOFERRIN ON LIPOLYTIC ACTIVITY UPON CATECHOLAMINE STIMULATION IN 3T3-L1

ADIPOCYTES  
Sakamoto, S. et al [Japan]

MO-PM10-6  
LONG-TERM VITAMIN D3 SUPPLEMENTATION PREVENTS VITAMIN D DEFICIENCY  
Backx, E. et al [Netherlands]

MO-PM10-7  
INFLUENCE OF A 5-DAY FASTING PERIOD ON ISOMETRIC MAXIMAL STRENGTH AND JUMPING HEIGHT OF HEALTHY YOUNG ADULTS  
Hentz, C. et al [Germany]

MO-PM10-8  
CURCUMIN SUPPLEMENTATION LIKELY ATTENUATES DELAYED ONSET MUSCLE SORENESS <DOMS>  
Rowlands, D. et al [New Zealand]

MO-PM10-9  
COMPLEX SPORTS DRINK ENHANCES RECOVERY FROM PLYOMETRIC EXERCISE  
Bargetto, M. et al [France]

MO-PM10-10  
EFFECT OF FENUGREEK SEEDS <TRIGONELL FOENUM GREAEUCUM> DRIED POWDER ON GLYCOGEN RESYNTHESIS  
Ataei, L. [Cyprus]

**MO-PM12 Health & Fitness: Ageing, Gender, Strength**

LECTURE ROOM: LIVE 7  
Chair(s):  
Sipila, S. [Finland]  
WANG, H. [China]

MO-PM12-1  
DIFFERENCE IN DUAL-TASK PERFORMANCE BETWEEN FALLERS AND NON-FALLERS IN OLDER PEOPLE  
Brustio, P.R. et al [Italy]

MO-PM12-2  
DEVELOPMENT OF ADJUSTABLE RESISTANCE MECHANISM TO PHYSICAL FITNESS EQUIPMENT FOR ELDERLY IN NEIGHBORHOOD PARKS.  
Tai, T.Y. et al [Taiwan]

MO-PM12-3  
ASSOCIATION BETWEEN SEDENTARY BEHAVIOR AND HEALTH VARIABLES IN ACTIVE BRAZILIAN ELDERLY  
Nakamura, P. et al [Brazil]

MO-PM12-4  
DIET AND FAST WALKING-BASED INTERVENTION TO TREAT OBESITY AND IMPROVE CARDIO-RESPIRATORY FITNESS  
Bauer, P. [Austria]

MO-PM12-5  
A TAILORED SUPERVISED EXERCISE PROGRAM REDUCES LOSS OF FAT-FREE MASS IN BARIATRIC SURGERY PATIENTS  
Marc-Hernández, A. et al [Spain]

MO-PM12-6  
KOREA YOUTH FITNESS CRITERION FOR OBESITY PREVENTION  
Ko, B. et al [Korea, South]

MO-PM12-7  
MORNINGNESS AND EVENINGNESS IN MAXIMAL STRENGTH PERFORMANCE  
Küusmaa, M. et al [Finland]

MO-PM12-8  
THE ACUTE EFFECT OF THREE DIFFERENT WARM-UP TYPES IN THE ELBOW MAXIMUM ISOMETRIC STRENGTH  
Cheng, M.H. et al [Taiwan]

MO-PM12-9  
EATING DISORDERS AND MENSTRUAL IRREGULARITIES AMONG FEMALE FOOTBALL PLAYERS IN HUNGARY  
Molnár, A.H. et al [Hungary]

MO-PM12-10  
A RESEARCH INTO THE EFFECT OF DIFFERENT EXERCISE TYPES ON ECHOCARDIOGRAPHY AND SOME BLOOD PARAMETERS IN SEDENTARY WOMEN  
Cicek, G. et al [Turkey]

**MO-BN07 Cognitive impairments and fatigue during exercise**

LECTURE ROOM: LIVE 8  
Chair(s):  
Place, N. [Switzerland]  
Cortis, C. [Italy]

MO-BN07-1 [YIA]  
MENTAL EXERTION DOES NOT AFFECT ELITE CYCLISTS  
Martin, K. et al [Australia]

MO-BN07-2 [YIA]  
ADAPTATION OF LEG EXTENSOR MUSCLE ACTIVITY TO REPEATED MAXIMAL CONTRACTIONS  
Takenaka, M. et al [Japan]

MO-BN07-3 [YIA]  
CHANGES IN MAGNITUDE AND ORIGIN OF FATIGUE DURING REPEATED MAXIMAL KNEE EXTENSIONS  
O'Bryan, S.J. et al [Australia]

MO-BN07-4 [YIA]  
IS PERCEPTION OF EFFORT IMPACTED BY ELECTROMYOSTIMULATION DURING MUSCLE CONTRACTION?  
Pageaux, B. et al [France]

MO-BN07-5 [YIA]  
BENEFITS OF HIGH INTENSITY INTERVAL TRAINING FOR ENHANCING HIPPOCAMPUS-DEPENDENT SPATIAL LEARNING AND MEMORY  
Oharazawa, A. et al [Japan]

MO-BN07-6 [YIA]  
CENTRAL SENSORIMOTOR ACTIVATION DURING ECCENTRIC VS. CONCENTRIC QUADRICEPS FEMORIS CONTRACTIONS  
Vogt, T. et al [Germany]

MO-BN07-7 [YIA]  
PERIPHERAL AND CENTRAL ADJUSTMENTS DIFFER BETWEEN PROXIMAL AND DISTAL MUSCLES OF THE UPPER LIMB DURING FATIGUE  
Abdelmoula, A. et al [Belgium]

# Mini-Oral Presentations

MO-BN07-8 [YIA]  
THE EFFECT OF HIGH-INTENSITY INTERVAL EXERCISE AND MODERATE-INTENSITY CONTINUOUS EXERCISE ON EXECUTIVE FUNCTION IN POST-EXERCISE RECOVERY  
Tsukamoto, H. et al [Japan]

MO-BN07-9 [YIA]  
MUSCLE ACTIVATION OF DIFFERENT PORTIONS OF THE TRICEPS BRACHII DURING EXERCISES WITH ELASTIC AND PULLEY  
Sartorio, G. et al [Brazil]

MO-BN07-10 [YIA]  
A NEW COMBINED APPROACH OF FATIGUE ANALYSIS DURING 100 METRES SPRINTS  
Modic, Z. et al [Slovenia]

## MO-SH03 Physical Education and Pedagogics II

LECTURE ROOM: LIVE 10  
Chair(s):  
Larsson, H. [Sweden]  
Burnett, C. [South Africa]

MO-SH03-1  
ASSESSMENT IN PHYSICAL EDUCATION  
Sebelius, S. [Sweden]

MO-SH03-2  
FOCUS GROUPS DISCUSSION ABOUT ASSESSMENT IN PHYSICAL EDUCATION AND HEALTH  
Bexell, S. [Sweden]

MO-SH03-3  
BACKGROUND AND SIGNIFICANCE OF ADOPTING RHYTHMIC DANCE AS CURRICULUM OF PE IN JAPAN  
Park, K. et al [Japan]

MO-SH03-4  
ACTION RESEARCH IN EXPLORING HOW PE TEACHERS ORIENTATE THEIR "VALUE OF PHYSICAL EDUCATION" IN SCHOOLS  
Sum, K. [Hong Kong]

MO-SH03-5  
THE PUPILS' UNDERSTANDING FOR AND ATTITUDE TOWARDS THEIR OWN HEALTH  
Ahlberg, A. [Sweden]

## Thursday, June 25th

14:00 - 15:00

### MO-PM13 Health & Fitness: Lifestyle

LECTURE ROOM: HIGH LIVE 1  
Chair(s):  
Eek, F. [Sweden]  
Fryklund, S. [Sweden]

MO-PM13-1  
IS STEPS PER DAY AN ADEQUATE ALTERNATIVE INDICATOR FOR ACHIEVING A TARGET LEVEL OF MODERATE-TO-VIGOROUS PHYSICAL ACTIVITY IN YOUNG ADULT WOMEN?  
Kumahara, H. et al [Japan]

MO-PM13-2  
INFLUENCE OF DOG WALKING ON THE PHYSICAL ACTIVITIES AND LIFE CHANGES OF OWNERS  
Furumoto, K. et al [Japan]

MO-PM13-3  
CIRCADIAN RHYTHM OF ACTIVITY LEVELS: INFLUENCE OF CHRONOTYPE.  
Bruno, E. et al [Italy]

MO-PM13-4  
PHYSICAL FITNESS OF MIDDLE-AGED WOMEN: EFFECTS OF SYSTEMATIZED EXERCISE  
Silvatti, A. et al [Brazil]

MO-PM13-5  
GENETIC AND ENVIRONMENTAL INFLUENCES ON MOTIVES FOR LEISURE-TIME PHYSICAL ACTIVITY BEHAVIOR  
Aaltonen, S. et al [Finland]

MO-PM13-6  
HIGH MATERNAL PHYSICAL ACTIVITY DURING LATE PREGNANCY IS ASSOCIATED WITH HIGHER SERUM CONCENTRATIONS OF BDNF IN CORD BLOOD  
Ferrari, N. et al [Germany]

MO-PM13-7  
WHY DO PEOPLE EXERCISE IN NATURE? DIFFERENTIATING ADULT NORWEGIAN'S BELIEFS ABOUT PARTICIPATING IN GREEN EXERCISE, FITNESS AND SPORTS  
Calogiuri, G. [Norway]

MO-PM13-8  
THE RELATIONSHIP BETWEEN HABITS OF DAILY EXERCISE AND THE TENDENCY OF SPIRITUALITY.  
Nigorikawa, T. et al [Japan]

MO-PM13-9  
SOCIO-DEMOGRAPHIC AND PSYCHOLOGICAL VARIABLES INFLUENCING THE APPLICATION OF PHYSICAL ACTIVITY AS A GENERAL RESISTANCE RESOURCE  
Lippai, L. et al [Hungary]

### MO-PM15 Health & Fitness: Mixed session

LECTURE ROOM: KUBEN  
Chair(s):  
Nyberg, M. [Denmark]  
Mello, M. [Brazil]

MO-PM15-1  
CHARACTERISTICS OF RUNNERS WALKING AND/OR STOPPING IN THE SECOND HALF OF MARATHON RACES  
Mori, H. et al [Japan]

MO-PM15-2  
'SLOW WALKING & TURN' TRAINING FOR HEALTH PROMOTION OF THE ELDERLY.  
Araki, M. et al [Japan]

MO-PM15-3  
PACER AEROBIC FITNESS NORMS FOR KASSETSART UNIVERSITY STUDENTS  
Outayanik, B. [Thailand]

MO-PM15-4  
THE RELATIONSHIP BETWEEN INTRAMYOCYELLULAR OR EXTRAMYOCYELLULAR LIPID CONTENTS AND CARDIOVASCULAR DISEASE RISKS IN DIFFERENT CARDIORESPIRATORY FITNESS LEVELS  
Hasegawa, N. et al [Japan]

MO-PM15-5  
THE CHARACTERISTICS OF PHYSIQUE AND PHYSICAL FITNESS BETWEEN SOUTH KOREA ELITE NATIONAL TRACK & FIELD MAN PLAYERS  
Sung, B.J. et al [Korea, South]

MO-PM15-6  
PELVIC FLOOR EXERCISE TECHNIQUE AFTER SIX WEEKS OF TRAINING AMONG HEALTHY PREGNANT WOMEN – A RANDOMIZED CONTROLLED TRIAL  
Szumilewicz, A. et al [Poland]

MO-PM15-7  
EXERCISE TRAINING ON GOTO-KAKIZAKI RATS: INFLAMMATION STATE BEFORE THE BENEFICIAL EFFECTS ?  
Macia, M. et al [France]

MO-PM15-8  
THE ROLE OF THE AFRICAN SWIMMING FEDERATIONS IN THE PROMOTION OF HEALTH: PROTECTION OF THE ATHLETE'S HEALTH AND PROMOTION OF SWIMMING FOR HEALTH OF THE GENERAL POPULATION.  
Perez Diaz, C. et al [Spain]

MO-PM15-9  
EFFECTS OF WATER IMMERSION IN VARIOUS WATER LEVELS ON URINE VOLUME AND SUBJECTIVE MICTURITION DURING WATER EXERCISE  
Wada, T. et al [Japan]

MO-PM15-10  
RELATIONSHIP BETWEEN SHORT-FORM HEALTH SF36 QUESTIONNAIRE AND OXYGEN UPTAKE <VO2 MAX> IN HEALTHY WORKERS  
Burgos, S. et al [Spain]

### MO-PM17 Physiology: Endurance

LECTURE ROOM: HIGH LIVE 2  
Chair(s):  
Abbiss, C. [Australia]  
Hettinga, F. [United Kingdom]

**MO-PM17-1**  
EXERCISE-INDUCED PAIN TOLERANCE PREDICTS TIME TRIAL CYCLING PERFORMANCE  
Mauger, A.R. et al [United Kingdom]

**MO-PM17-2**  
THE EFFECT OF RESPONSE INHIBITION ON CRITICAL POWER AND THE ANAEROBIC WORK CAPACITY  
Salam, H. et al [United Kingdom]

**MO-PM17-3**  
THE VO<sub>2</sub> PLATEAU IS RELATED TO THE VO<sub>2</sub>-WORK RATE SLOPE AT SUBMAXIMAL RAMP EXERCISE  
Niemeyer, M. et al [Germany]

**MO-PM17-4**  
THE EFFECT OF CARBOHYDRATE MOUTH RINSE ON SIMULATED XC-SPRINT PERFORMANCE  
Kärström, A. et al [Sweden]

**MO-PM17-5**  
MYOGLOBIN AND NGAL CHANGES IN ULTRAMARATHON RUNNERS AFTER THE RACE  
Novak, J. et al [Czech Republic]

**MO-PM17-6**  
EFFECTS OF LOW-INTENSITY EXERCISE IN THE MORNING ON PHYSIOLOGICAL RESPONSE DURING UNSTEADY WORKLOAD EXERCISE IN THE EVENING  
Nishimura, K. et al [Japan]

**MO-PM17-7**  
LONGER TRAINING EXPERIENCE INDUCED GREATER EFFICIENT SYSTOLIC FUNCTION IN ENDURANCE ELITE ATHLETES  
Calle-Herrero, J. et al [Spain]

**MO-PM17-8**  
EFFECT OF SAMBA DANCE IN CARDIOPULMONARY FITNESS AND BODY COMPOSITION IN WOMEN DANCERS.  
Duarte, C. et al [Brazil]

**MO-PM17-9**  
ASSESSMENT OF PHYSICAL PERFORMANCE OF THE POLISH PARALYMPIC TEAM IN NORDIC SIT-SKIING IN THREE CONSECUTIVE PARALYMPIC GAMES <2002, 2006, 2010>  
Gawro&#324;ski, W. [Poland]

**MO-PM19 Physiology: Thermoregulation, Fatigue**

LECTURE ROOM: HIGH LIVE 3  
Chair(s):  
Girard, O. [Switzerland]  
Levels, K. [Netherlands]

**MO-PM19-1**  
COMBINED EFFECTS OF HYPERTHERMIA AND CIRCADIAN RHYTHM ON AEROBIC AND ANAEROBIC PERFORMANCES IN THE HEAT  
Otani, H. et al [Japan]

**MO-PM19-2**  
IS A PERCEPTUAL STRAIN INDEX SUBSTITUTING THERMAL COMFORT FOR THERMAL SENSATION A MORE APPROPRIATE PREDICTOR OF PHYSIOLOGICAL STRAIN?  
Borg, D.N. et al [Australia]

**MO-PM19-3**  
SEX COMPARISON OF LEUKOCYTE HSP72 MRNA UP REGULATION DURING HEAT ACCLIMATION  
Mee, J.A. et al [United Kingdom]

**MO-PM19-4**  
EFFECT OF COLD EXPOSURE ON PROPRIOCEPTION AND COGNITIVE FUNCTION  
Racinais, S. et al [Qatar]

**MO-PM19-5**  
CORE BODY TEMPERATURE RELATIONSHIPS WITH OTHER PHYSIOLOGICAL VARIABLES DURING INCREMENTAL CYCLING TEST  
Dor&#273;evi&#263;, S. et al [Slovenia]

**MO-PM19-6**  
HIIT IN THE HEAT: A HOT NEW COMBINATION?  
Akerman, A.P. et al [New Zealand]

**MO-PM19-7**  
THE EFFECT OF MENTAL FATIGUE ON PHYSICAL PERFORMANCE, A SYSTEMATIC REVIEW.  
Van Cutsem, J. et al [Belgium]

**MO-PM19-8**  
ARE MOTOR-RELATED ELECTRO-CORTICAL MARKERS MODULATED BY AN ACUTE ENDURANCE EXERCISE?  
Spring, J. et al [Switzerland]

**MO-PM21 Physiology: Energy metabolism**

LECTURE ROOM: HIGH LIVE 4  
Chair(s):  
Westerblad, H. [Sweden]  
Gray, S. [United Kingdom]

**MO-PM21-1**  
THE METABOLIC COST OF CYCLING AT 0 W COMPARED TO PHYSIOLOGICALLY ESTIMATED INTERNAL  
Giorgi, H. et al [Hong Kong]

**MO-PM21-2**  
HIGH INTENSITY INTERVAL TRAINING IN NON-ALCOHOLIC ESTATOHEPATITIS: A CASE REPORT.  
Mateo-Cubo, F. et al [Spain]

**MO-PM21-3**  
AEROBIC CONTRIBUTION TO THE WINGATE TEST PERFORMANCE: EFFECTS OF A HIGH BRAKING FORCE  
Driss, T. et al [France]

**MO-PM21-4**  
EXPRESSION OF IRISIN IN SERUM AND SKELETAL MUSCLE WERE INCREASED FOLLOWING RESISTANCE TRAINING IN AGING MICE  
Kim, H. et al [Korea, South]

**MO-PM21-5**  
LESS PRONOUNCED RESPONSE TO EXERCISE IN HEALTHY RELATIVES TO TYPE 2 DIABETICS COMPARED TO CONTROLS  
Ekman, C. et al [Sweden]

**MO-PM21-6**  
COMPARISON OF CARBOHYDRATE AND FAT OXIDATION AFTER MAXIMAL INCREMENTAL CYCLE ERGOMETER EXERCISE TESTING IN OBESE AND LEAN ADULTS  
Kratzenstein, S. et al [Germany]

**MO-PM23 Physiology: Mixed session**

LECTURE ROOM: LIVE 1  
Chair(s):  
Willems, M. [United Kingdom]

Platen, P. [Germany]

**MO-PM23-1**  
COMPARISON OF CARBOHYDRATE AND FAT OXIDATION RATES DURING MAXIMAL INCREMENTAL CYCLE ERGOMETER EXERCISE TESTING IN OBESE AND LEAN ADULTS  
Braun, M. et al [Germany]

**MO-PM23-2**  
EFFECTS OF HYDROGEN-RICH WATER INTAKE ON WORK RATE AT LACTATE THRESHOLD  
Yoshimura, S. et al [Japan]

**MO-PM23-3**  
REPEATABILITY OF THE DEPLETION OF MUSCLE GLYCOGEN AFTER PROLONGED AND HIGH INTENSITY EXERCISE  
Osawa, T. et al [Japan]

**MO-PM23-4**  
DOES STRETCHING HAVE A FACILITATIVE EFFECT ON RECOVERY FROM ACUTE STRESS RESPONSE?  
Fukuie, T. et al [Japan]

**MO-PM23-5**  
IS CORTISOL CONCENTRATION DEPENDED ON INTENSITY TRAINING?  
García-Valverde, A. et al [Spain]

**MO-PM23-6**  
HORMONAL RESPONSES TO SPRINT EXERCISES UNDER DIFFERENT HYPOXIC CONDITIONS  
Kon, M. et al [Japan]

**MO-PM23-8**  
EFFECTS OF DAILY AMOUNT OF SPONTANEOUS RUNNING ON STRESS&#12288;RESPONSE AND THE RELATED BEHAVIORS IN RATS  
Yanagita, S. et al [Japan]

**MO-SH12 Social science and sport**

LECTURE ROOM: LIVE 2  
Chair(s):  
Donnelly, P. [Canada]  
Gems, G. [United States]

**MO-SH12-1**  
WOMEN'S FOOTBALL – BETWEEN LOCAL ENTHUSIASM AND GLOBAL SUCCESS  
Skogvang, B. [Norway]

**MO-SH12-2**  
WILL IT MAKE ME AN INSIDER? MIGRANT WOMEN'S PARTICIPATION IN SPORTS IN THE HELSINKI AREA  
Grochowski, P. [Germany]

**MO-SH12-3**  
WHO HAS THE POWER OF THE DEVELOPMENT OF SPORT, THE MEDIA OR THE SPORT?  
Nybelius, M. [Sweden]

**MO-SH12-4**  
A QUALITATIVE STUDY OF THE FEMALE PRE-SERVICE ELEMENTARY TEACHERS' EXPERIENCES DURING TEACHER TRAINING FOR PHYSICAL EDUCATION  
Shin, K. [Korea, South]

**MO-SH12-5**  
RESEARCH ON THE PROMOTION OF SPORT FOR OLDER PEOPLE IN CHINA  
Hou, H. [China]

**MO-SH12-6**  
MIND THE GAP: YOUTH PROFESSIONAL FOOTBALLPLAYERS NEGOTIATING THE GAP BETWEEN DREAMS AND REALITIES.  
Fundberg, J. [Sweden]

**MO-SH12-7**  
TURING A SPACE INTO A PLACE: A STUDY OF MIGRANTS' HASHING PRACTICE IN TAIWAN  
Chuang, P. [Taiwan]

**MO-SH12-8**  
CHILDREN'S CULTURE AND MOTOR SKILLS LEARNING  
Mello, A. [Brazil]

**MO-SH12-9**  
HOCKEY... AND THEN WHAT? GENERATIONS OF PLAYERS FACING EDUCATION  
Moret, O. [Switzerland]

# Mini-Oral Presentations

## MO-SH07 Sport management

LECTURE ROOM: LIVE 3

Chair(s):

Parry, J. [Czech Republic]

Houlihan, B. [United Kingdom]

MO-SH07-1

THE SURVEY OF ORGANIZATIONAL COMMITMENT AND CLIMATE OF ORGANISATION OF TURKISH SPORTS SCIENTISTS  
Y&#305;ld&#305;r&#305;m, Ö.D. et al [Turkey]

MO-SH07-2

MEGA SPORTING EVENTS AND THE DEVELOPMENT OF SPORT SCIENCES IN BRAZIL  
Reppold Filho, A.R. [Brazil]

MO-SH07-3

THE INVESTIGATION OF THE FACTORS AFFECTING STADIUM ATTENDANCE OF PROFESSIONAL FOOTBALL CLUB SUPPORTERS  
Soyguden, A. et al [Turkey]

MO-SH07-4

XPLOING THE RELATIONSHIPS AMONG PLACE ATTACHMENT, PLACE IDENTITY, TEAM IDENTIFICATION, AND FAN LOYALTY.  
Tai, W. [Taiwan]

## MO-PM25 Rehabilitation and Physiotherapy: Physiotherapy/ Osteopathy

LECTURE ROOM: LIVE 4

Chair(s):

Maffiuletti, N. [Switzerland]

MO-PM25-1

A PILOT TEST ON THE EFFECT OF STATIC STRETCHING ON REDUCING THE INCIDENCE OF MUSCULOSKELETAL DISORDERS AMONG TEACHERS IN HONG KONG  
Leung, F.L. et al [Hong Kong]

MO-PM25-2

RELATIONSHIP BETWEEN CHANGE IN MUSCLE STRENGTH AT DIFFERENT MUSCLE CONTRACTION SPEEDS AND CHANGE OF COMFORTABLE GAIT

SPEED IN AMBULATORY POST-STROKE PATIENTS  
Shimose, R. et al [Japan]

MO-PM25-3

EFFECTIVITY OF SLACKLINE TRAINING IN PHYSIOTHERAPY  
Küng, U. et al [Switzerland]

MO-PM25-4

INCREASED ENERGY EXPENDITURE DURING ADL BY ELECTRICAL STIMULATION-INDUCED LEG MUSCLE ACTIVATION IN SPINAL CORD INJURY  
Janssen, T.W.J. et al [Netherlands]

MO-PM25-5

HIGH INTENSITY INTERVAL TRAINING TO IMPROVE FITNESS IN CHILDREN WITH CEREBRAL PALSY  
Moholdt, T. et al [Norway]

MO-PM25-6

ACUTE ADAPTATIONS OF SPASTICITY-RELATED IMPAIRMENTS AFTER WHOLE BODY VIBRATION – EFFECTS ON STRETCH REFLEX RESPONSES, VOLUNTARY MUSCLE ACTIVATION AND MOBILITY  
Krause, A. et al [Germany]

MO-PM25-7

GOAL-SETTING PRACTICE IN THE SPORT PHYSICAL REHABILITATION SETTING. A PRELIMINARY STUDY ABOUT THE PERCEPTION AND THE USE OF GOAL SETTING AMONG ITALIAN SPORT PHYSICAL THERAPISTS  
Sambruni, A. et al [Italy]

MO-PM25-8

COGNITIVE FUNCTIONS OF PARKINSON'S DISEASE PATIENTS CAN IMPROVE WITH PHYSICAL EXERCISE  
Gobbi, L. et al [Brazil]

MO-PM25-9

EFFECT OF RADIOFREQUENCY HYPERTHERMIA TREATMENT IN RUNNING BIOMECHANICAL PARAMETERS  
Duñabeitia, I. et al [Spain]

## MO-PM27 Sports Medicine and Orthopedics: Orthopedics

LECTURE ROOM: LIVE 5

Chair(s):

Stenroth, L. [Finland]

Lamberts, R. [South Africa]

MO-PM27-1

PREVALENCE OF BACK PAIN IN ELITE ROWERS  
Felker, K. et al [Germany]

MO-PM27-2

MONITORING PERCEIVED STRESS, RECOVERY AND NON-TRAUMATIC LOWER EXTREMITY INJURIES IN COMPETITIVE RUNNERS  
Otter, R.T.A. et al [Netherlands]

MO-PM27-3

PREDICTIVE VALUE OF LOWER LIMB MUSCULOSKELETAL SCREENING FOR INJURY RISK IN ELITE AUSTRALIAN FOOTBALL PLAYERS  
Quain, D. et al [Australia]

MO-PM27-4

MUSCULOSKELETAL INJURIES IN ELITE JUNIOR TENNIS PLAYERS  
Fett, J. et al [Germany]

MO-PM27-5

PREVALENCE OF BACK PAIN IN ELITE FIELD HOCKEY PLAYERS  
Fett, D. et al [Germany]

MO-PM27-6

CHARACTERISTICS OF INTRATENDINOUS MICRO-CIRCULATION SHORTLY AFTER AN ACHILLES RUP-TURE AND TREATMENT OUTCOMES AFTERWARD  
Wang, H.K. et al [Taiwan]

MO-PM27-7

POTENTIAL UTILITY OF VIBRATIONAL ANALYSIS FOR EARLY DETECTION OF SPONDYLOLYSIS  
Tahara, N. et al [Japan]

MO-PM27-8

A COMPARISON OF NATURAL KNEE AND TOTAL KNEE ARTHROPLASTY KINEMATICS DURING THE GOLF SWING  
Molloy, M. et al [Ireland]

MO-PM27-9

RELIABILITY AND CONSTRUCT VALIDITY OF VISUAL RATING OF POSTURAL ORIENTATION IN PEOPLE WITH OR WITHOUT MUSCULOSKELETAL DISORDER OF THE LOWER EXTREMITY – A SYSTEMATIC REVIEW  
Ålmqvist, J. et al [Sweden]

MO-PM27-10

BODY CHARACTERISTICS OF PROFESSIONAL JAPANESE KEIRIN CYCLISTS: AN INVESTIGATION OF FLEXIBILITY, PELVIC TILT, AND MUSCLE STRENGTH  
Tashiro, Y. et al [Japan]

## MO-PM45 Real life threats to sport performance

LECTURE ROOM: LIVE 6

Chair(s):

Cortis, C. [Italy]

Ericsson, I. [Sweden]

MO-PM45-1

FOLLOW-UP OF THE QUANTITY OF SLEEP OF 7 FEMALE GYMNASTS IN PREPARATION OF AND DURING THE WORLD CHAMPIONSHIPS ARTISTIC GYMNASTICS 2014  
Dumortier, J. et al [Belgium]

MO-PM45-2

ACTIVE RECOVERY AND COLD-WATER IMMERSION ARE NOT SUPERIOR TO PASSIVE RESTING AFTER ECCENTRIC SQUAT EXERCISE  
Doeweling, A. et al [Germany]

MO-PM45-3

THE EFFECT OF DECEPTIVE INFORMATION ABOUT RECEIVING COOLING ON PACING PATTERN DURING A 20-KM CYCLING TIME TRIAL IN THE HEAT  
Levels, K. et al [Netherlands]

MO-PM45-4

HEATED GARMENTS AND DRYLAND ACTIVATION ROUTINES: THE KEYS TO IMPROVING SPRINT SWIMMING PERFORMANCE  
McGowan, C.J. et al [Australia]

## MO-PM31 Molecular Biology and Biochemistry: Molecular signaling/response

LECTURE ROOM: LIVE 7

Chair(s):

Murphy, R. [Australia]

Ichinoseki-Sekine, N. [Japan]

MO-PM31-1

EXPRESSION OF MICRORNA-208B AND MYOSTATIN ARE INVERSELY CORRELATED, BOTH AFTER SPINAL CORD INJURY IN HUMANS AND IN RESPONSE TO OVEREXPRESSION IN VIVO IN RODENTS.  
Boon, H. et al [Sweden]

MO-PM31-2

CHRONIC ADAPTATION OF BLOOD CELLS TO TRAINING IN INTERMITTENT, COMBAT AND ENDURANCE PLAYERS  
Pralay, M. et al [India]

MO-PM31-3

SPORTOMICS ANALYSIS OF METABOLIC RESPONSES IN OLYMPIAN RUNNERS USING A 100M DASH RACE AS A MODEL  
Magno França, A. et al [Brazil]

MO-PM31-4

TWELVE WEEKS OF UNCOMPLICATED RESISTANCE TRAINING INCREASES LEAN BODY MASS AND REDUCES MARKERS OF MUSCLE ATROPHY IN OLDER ADULTS  
Egan, B. et al [Ireland]

MO-PM31-5

IMPACT OF ACE I/D POLYMORPHISM ON HEART RATE VARIABILITY AFTER 10 WEEKS OF AEROBIC TRAINING IN CHILDREN  
Silva, C.C. et al [Brazil]

MO-PM31-6

DEVELOPMENT OF THE ATHLETES RECRUITING SYSTEM IN CYCLIC SPORTS BASED ON INDIVIDUAL MORPHOFUNCTIONAL AND GENETICS PARAMETERS  
Yevdaliuk, S.V. et al [Belarus]

MO-PM31-7  
EPIGENETIC CHANGES WITHIN THE ADAMTS4 GENE PROMOTER MAY MODIFY RISK OF PATELLA TENDINOPATHY.  
Raleigh, S. et al [United Kingdom]

**MO-PM33 Neuromuscular Physiology: Fatigue**

LECTURE ROOM: LIVE 8  
Chair(s):  
Baudry, S. [Belgium]  
Kay, A. [United Kingdom]

MO-PM33-1  
H-WAVE AMPLITUDE FLUCTUATION IS ASSOCIATED WITH VARIATION OF MAXIMAL VOLUNTARY MUSCLE CONTRACTION WITHIN A SUBJECT  
Taki, C. et al [Japan]

MO-PM33-2  
HOW MANY SETS OF SUBMAXIMAL CONSTANT-TORQUE PASSIVE STRETCH ARE NECESSARY TO REDUCE PLANTAR FLEXOR PASSIVE TENSION?  
Trajano, G.S. et al [Australia]

MO-PM33-3  
NEUROMUSCULAR CHARACTERISTICS OF QUADRICEPS AND HAMSTRINGS MUSCLES DURING A SOCCER MATCH.  
Kalema, R. et al [Finland]

MO-PM33-4  
THE ETIOLOGY OF ELECTROSTIMULATION-INDUCED MUSCLE FATIGUE IS RELATED TO THE MODULATION OF STIMULATION PARAMETERS  
Alain, M. et al [France]

MO-PM33-5  
EMG RESPONSES OF POWER PRODUCER AND POWER TRANSMITTER MUSCLES DURING A FATIGUING CYCLING EXERCISE  
Lee, S. et al [Australia]

MO-PM33-6  
EFFECTS OF UPHILL WALKING AND DOWNHILL WALKING ON POSTURAL CONTROL  
Werner, I. et al [Austria]

MO-PM33-7  
EFFECTS OF DIETARY NITRATE SUPPLEMENTATION ON LOW-FREQUENCY FATIGUE AND VOLUNTARY CONTRACTILE PERFORMANCE DURING FATIGUING EXERCISE  
Tillin, N.A. et al [United Kingdom]

MO-PM33-8  
IMPACT OF SELECTIVE PRE-FATIGUE ON QUADRICEPS SYNERGISTS ACTIVATION STRATEGY  
Matkowski, B. et al [France]

MO-PM33-9  
CONTRIBUTION OF THE ANKLE PLANTAR FLEXORS TO POWER PRODUCTION DURING SPRINT CYCLING  
D'Amico, J.M. et al [Australia]

**MO-SH10 Sports statistics & Analysis I**

LECTURE ROOM: LIVE 10  
Chair(s):  
Eskofier, B. [Germany]  
Zemkova, E. [Slovakia]

MO-SH10-1  
THE AGE-PERFORMANCE RELATIONSHIP: TOWARD NEW MODELS  
Berthelot, G. et al [France]

MO-SH10-2  
THE HERITABILITY OF AN OLYMPIC MEDAL: A POPULATION-BASED STUDY ON OLYMPIANS FROM THE GAMES OF 1896 UP TO 2012  
Antero-Jacquemin, J. et al [France]

MO-SH10-3  
IT IS YOUR TEAMMATES NOT YOUR SCHOOLMATES THAT MATTERS: THE IMPORTANCE OF RISK POPULATION IN TALENT DEVELOPMENT STUDIES.  
Rossing, N. et al [Denmark]

MO-SH10-4  
RELATIVE AGE EFFECT AND PERFORMANCE IN YOUNG EUROPEAN FEMALE BASKETBALL CHAMPIONSHIPS  
Arrieta, H. et al [Spain]

MO-SH10-5  
THE RELATIONSHIP BETWEEN MOTIVATION FOR PHYSICAL ACTIVITY AND LIFESTYLE IN 10- TO 12-YEAR-OLD CHILDREN IN SOUTH KOREA AND JAPAN  
Ikeda, T. et al [Japan]

MO-SH10-6  
"MAGNITUDE-BASED INFERENCE": A STATISTICAL REVIEW  
Welsh, A. [Australia]

MO-SH10-7  
STUDY OF THE PERFORMANCE EVALUATION OF MASS SPORTS PUBLIC INPUT ON STRUCTURAL EQUATION MODEL ANALYSIS - BASED ON THE INVESTIGATION OF 25 PROVINCES IN CHINA  
Zhang, F.B. et al [China]

Thursday, June 25<sup>th</sup>

15:00 - 16:00

**MO-PM14 Health & Fitness: Children, Team Sports**

LECTURE ROOM: HIGH LIVE 1  
Chair(s):  
Sörensen, M. [Norway]  
Resaland, G. [Norway]

MO-PM14-1  
ACCEPTABILITY AND FEASIBILITY OF AN INTERNET-BASED INTERVENTION TO INCREASE PHYSICAL ACTIVITY AMONG ADOLESCENTS  
Grieben, C. et al [Germany]

MO-PM14-2  
IS PHYSICAL ACTIVITY OF ADOLESCENTS AND THEIR BEST CLASSMATES ASSOCIATED? A PILOT STUDY IN LITHUANIAN, NORWEGIAN AND SWEDISH HIGH SCHOOLS  
Karvelyte, V. et al [Lithuania]

MO-PM14-3  
EFFECT OF THE ROTATIONAL SPEED OF THE ROPE IN A PERSON TURNING A LONG JUMP ROPE IS ON THE HEART RATE AND OXYGEN UPTAKE  
Yoshida, N. et al [Japan]

MO-PM14-4  
RESIDENCE AND LIFESTYLE PARAMETERS IN YOUNGSTERS  
Farkas, A. et al [Hungary]

MO-PM14-5  
ACADEMIC ACHIEVEMENT, OBESITY AND LOW FITNESS IN JAPANESE ADOLESCENTS  
Morita, N. et al [Japan]

MO-PM14-6  
ESTABLISHMENT OF MEASUREMENT SYSTEM REGARDING SIMILARITY OF MONOZYGOTIC AND DIZYGOTIC TWINS  
Fujii, K. [Japan]

**MO-PM16 Physiology: Strength**

LECTURE ROOM: KUBEN  
Chair(s):  
Jakobi, J. [Canada]  
Seynnes, O. [Norway]

MO-PM16-1  
EFFECT OF AN INTENSIVE STRENGTH TRAINING MICROCYCLE ON RESTING HEART RATE VARIABILITY  
Schneider, C. et al [Germany]

MO-PM16-2  
THE EFFECT OF FUNCTIONAL OVERREACHING ON HEART RATE VARIABILITY AND PERCEPTIONS OF TRAINING TOLERANCE  
Bellenger, C. et al [Australia]

MO-PM16-3  
INCREASED SATELLITE CELL PROLIFERATION WHEN CULTURED WITH POST-EXERCISE SERUM: ROLE OF TESTOSTERONE?  
Luk, H.Y. et al [United States]

MO-PM16-4  
HIGH-DOSE INHALED SALBUTAMOL DOES NOT INCREASE 10-KM TIME-TRIAL PERFORMANCE IN TRAINED CYCLISTS  
Koch, S. et al [Canada]

MO-PM16-5  
EFFECT OF ALTITUDE TRAINING ON MUCOSAL IMMUNITY AND SLEEP IN ELITE CROSS-COUNTRY SKIERS.  
Svendsen, I. et al [United Kingdom]

MO-PM16-6  
EFFECTS OF REDUCED ARTERIAL CO2 PRESSURE ON VENTILATORY AND CEREBROVASCULAR RESPONSES DURING PROLONGED EXERCISE IN THE HEAT  
Tsuji, B. et al [Japan]

MO-PM16-7  
THE RELATIONSHIP BETWEEN MUSCLE THICKNESS AND MUSCLE VOLUME: MT IS A RELIABLE INDICATOR IN ASSESSING CHANGES IN SKELETAL MUSCLE MASS OF THE LOWER LIMBS IN RESPONSE TO RESISTANCE TRAINING  
Franchi, M.V. et al [United Kingdom]

# Mini-Oral Presentations

MO-PM16-8  
EFFECT OF A TAILORED, 12-WEEK, MODERATE-INTENSITY, STRENGTH TRAINING PROGRAM ON INDIVIDUALS WITH AMYOTROPHIC LATERAL SCLEROSIS  
Ferri, A. [Australia]

MO-PM16-9  
PCOS AND MUSCLE STRENGTH: PRELIMINARY RESULTS IN NORMAL WEIGHT WOMEN  
Donà, S. et al [Italy]

## MO-PM18 Physiology: Mixed session I

LECTURE ROOM: HIGH LIVE 2  
Chair(s):  
Klissouras, V. [Greece]  
Nosaka, K. [Australia]

MO-PM18-1  
DIVING RESPONSE DURING DRY STATIC APNOEA: COMPARISON BETWEEN ELITE MALE AND FEMALE DIVERS  
Magnani, S. et al [Italy]

MO-PM18-2  
IMPORTANCE OF ANTHROPOMETRIC, HAEMODYNAMIC AND RESPIRATORY PARAMETERS TO DETERMINE PERFORMANCE DURING BREATH-HOLD DIVING  
Tocco, F. et al [Italy]

MO-PM18-3  
THE EFFECTS OF HIGH INTENSITY PHYSICAL TRAINING ON ADIPOKINES OF MEN WITH METABOLIC SYNDROME  
Santos, D.L. et al [Brazil]

MO-PM18-4  
A COMPARATIVE STUDY OF LOW VOLUME HIGH INTENSITY INTERVAL TRAINING VERSUS MODERATE INTENSITY CONTINUOUS TRAINING FOR A RECREATIONALLY ACTIVE POPULATION  
Hughes, B. et al [Ireland]

MO-PM18-5  
PGC-1 $\alpha$  GENE EXPRESSION INDUCED BY INTERVAL EXERCISE AT LACTATE THRESHOLD  
Ryo, A. et al [Japan]

MO-PM18-6  
LARGER BETA SYNCHRONIZATION IN ELDERLY SUGGESTS BRAIN-RELATED ADAPTATIONS IN SELECTIVE INHIBITORY PROCESSES  
Barral, J. et al [Switzerland]

MO-PM18-7  
BLUNTED ANGIOGENESIS AND HYPERTROPHY ARE ASSOCIATED WITH INCREASED FATIGUE RESISTANCE AND UNCHANGED AEROBIC CAPACITY IN OLD OVERLOADED MOUSE MUSCLE  
Ballak, S.B. et al [Netherlands]

MO-PM18-8  
A COMPARISON OF ELASTIC BAND-BASED HIGH-SPEED POWER TRAINING AND TRADITIONAL LOW-SPEED STRENGTH TRAINING ON COGNITIVE FUNCTION, PHYSICAL PERFORMANCE AND MUSCLE STRENGTH IN OLDER WOMEN WITH MILD COGNIT  
Yoon, D.H. et al [Korea, South]

## MO-PM20 Physiology: Muscle damage, Hypoxia

LECTURE ROOM: HIGH LIVE 3  
Chair(s):  
Westerblad, H. [Sweden]  
Abbiss, C. [Australia]

MO-PM20-1  
EFFECT OF 3 WEEKS COMBINED 'LIVE HIGH-TRAIN LOW' EXPOSURE WITH HEAT INTERVAL TRAINING IN TRAINED RUNNERS  
McCleave, E. et al [Australia]

MO-PM20-2  
METABOLIC RESPONSES TO ACUTE HYPOXIA AND MODERATE INTENSITY NORMOXIC EXERCISE IN HUMANS  
Duncan, B. et al [United Kingdom]

MO-PM20-3  
THE RELATIONSHIP BETWEEN CHANGES IN BRACHIAL-ANKLE PULSE WAVE VELOCITY AND BLOOD PRESSURE AFTER SHORT-TERM HYPOBARIC HYPOXIC TRAINING  
Ogita, F. et al [Japan]

MO-PM20-4  
REACTIVE OXYGEN SPECIES AND DNA INTEGRITY IN SOME IRAQI ATHLETICS FEMALE  
Fathi, R. et al [Iraq]

MO-PM20-5  
MAXIMAL LACTATE STEADY STATE DURING STEP TESTING IN NORMOXIA AND ACUTE NORMO-BARIC HYPOXIA  
Fisch, M. et al [Germany]

MO-PM20-6  
NO EFFECT OF DIETARY NITRATE ON THE HUMAN DIVING RESPONSE IN DRY AND WET APNEAS  
Johansson, H. et al [Sweden]

## MO-PM22 Physiology: Cardio-vascular physiology

LECTURE ROOM: HIGH LIVE 4  
Chair(s):  
Millet, G. [Switzerland]  
Gray, S. [United Kingdom]

MO-PM22-1  
EFFECT OF AGE ON BLOOD FLOW KINETICS DURING PLANTAR FLEXION EXERCISE  
Askew, C.D. et al [Australia]

MO-PM22-2  
THE EFFECTS OF CONTINUOUS AND INTERVAL AEROBIC EXERCISE ON BLOOD PRESSURE  
Hoseinzadeh Gonabadi, A. et al [Iran]

MO-PM22-3  
ASSESSMENT OF CARDIOVASCULAR ADJUSTMENTS DURING MOTORCYCLE RIDING  
Pinna, V. et al [Italy]

MO-PM22-4  
EFFECTS OF MENSTRUAL CYCLE PHASE ON THE DYNAMICS OF CARDIOVASCULAR CONTROL DURING AN INCREMENTAL STRESS-TEST TO VOLITIONAL EXHAUSTION  
Merzbach, V. et al [United Kingdom]

MO-PM22-5  
EFFECT OF LIFESTYLE MODIFICATION ON PULSE PRESSURE AMPLIFICATION IN OVERWEIGHT AND

OBESE MEN  
Yoshikawa, T. et al [Japan]

MO-PM22-6  
HEART RATE VARIABILITY: CONVENIENCE, MEASUREMENTS AND MONITORING. REVIEW ARTICLE  
Gene-Sanahuja, P. [Spain]

## MO-PM24 Physiology: Mixed session

LECTURE ROOM: LIVE 1  
Chair(s):  
Ali, A. [New Zealand]  
Perret, C. [Switzerland]

MO-PM24-1  
MODERATE EXERCISE IMPROVES COGNITIVE FUNCTION EVEN UNDER SEVERE HYPOXIA  
Komiyama, T. et al [Japan]

MO-PM24-2  
TOTAL PEPTIDE YY CONCENTRATIONS FOLLOWING SHORT TERM CONSUMPTION OF VEGETARIAN DIETS  
Silalerdtetkul, S. et al [Thailand]

MO-PM24-3  
FAECAL CALPROTECTIN RESPONSES TO MODERATE INTENSITY EXERCISE; PILOT OBSERVATIONS.  
Hamzah, N. et al [United Kingdom]

MO-PM24-4  
CARDIORESPIRATORY RESPONSES AND PEDAL FORCE DURING ONE-LEGGED EXERCISE WITH A TANDEM-BICYCLE ERGOMETER  
Onodera, S. et al [Japan]

MO-PM24-5  
CAN WE IMPROVE MORNING QUADRICEPS MAXIMAL VOLUNTARY CONTRACTION FORCE BY BRIGHT LIGHT ADMINISTERED THE DAY BEFORE, DAWN SIMULATION ON THE DAY OF TESTING OR A COMBINATION OF BOTH?  
Edwards, B.J. et al [United Kingdom]

MO-PM24-6  
THE EFFECT OF PROLONGED EXERCISE ON BRAIN ACTIVITY MOOD AN EFFORT  
Wollseiffen, P. et al [Germany]

MO-PM24-7  
THE EFFECT OF MATCH-RELATED PHYSICAL EXERTION ON REACTIVE AGILITY IN RUGBY LEAGUE PLAYERS  
Minova, D. et al [United Kingdom]

MO-PM24-8  
THE INFLUENCE OF UNILATERAL AND BILATERAL LOAD CARRIAGE ON GAIT AND STATIC POSTURE OF YOUNG HEALTHY MALES  
Inoue, Y. [Japan]

MO-PM24-9  
HEART RATE VARIABILITY DURING SLEEP IN WORLD CLASS ALPINE SKIERS: BEAT TO BEAT VARIABILITY DURING DIFFERENT STATES OF CONSCIOUSNESS  
Herzig, D. et al [Switzerland]

MO-PM24-10  
EFFECTS OF GRADUATED COMPRESSION STOCKINGS ON SKIN TEMPERATURE IN RUNNING  
Gil-Calvo, M. et al [Spain]

## MO-SH13 Sociology/Sport management II

LECTURE ROOM: LIVE 2  
Chair(s):  
Donnelly, P. [Canada]  
Fundberg, J. [Sweden]

MO-SH13-1  
IDENTIFY FACTORS INFLUENCING THE PROCESS OF SOCIALIZATION THROUGH SPORT &#8206;  
Yektayar, M. [Iran]

MO-SH13-2  
SPORT VS. SCHOOL: CONCILIATION STRATEGIES OF YOUNG ATHLETES BENEFIT FROM ATHLETE SCHOLARSHIP PROGRAM IN BRAZIL  
Silva, A. et al [Brazil]

MO-SH13-3  
SELECTION IN NORWEGIAN MALE SOCCER: FROM THE U-15 NATIONAL TEAM TO THE A-NATIONAL TEAM  
Welde, B. et al [Norway]

MO-SH13-4  
DESIGN AND DEVELOPMENT OF STRATEGIC PLAN OF FEMALES "SPORT FOR ALL"  
Zarei, A. et al [Iran]

MO-SH13-5  
INSIGHTS FROM THE "LLP FACILITATING HIGHER EDUCATION FOR ATHLETES – WINNER EDUCATION MODEL" PROJECT: PRELIMINARY FINDINGS ON ITALIAN STUDENT-ATHLETES' PERCEPTIONS ON DUAL CAREER OUTCOMES AND SERVICES  
Guidotti, F. et al [Italy]

MO-SH13-6  
A STUDY ON THE PREVENTION POLICY ESTABLISHMENT FOR SCHOOL SAFETY INCIDENTS IN KOREA  
Nam, Y. [Korea, South]

### MO-SH08 Sociology/Sport management I

LECTURE ROOM: LIVE 3  
Chair(s):  
Andersen, M. [Sweden]  
Londos, M. [Sweden]

MO-SH08-1  
SPORT TOURISM IN KOSOVO – THE IMPACT OF HIKING  
Berisha, V. [Kosovo]

MO-SH08-2  
INVESTIGATION THE BARRIERS REVENUE FROM SPORTS TOURISTS  
Hemati, J. et al [Iran]

MO-SH08-3  
ORAL PRESENTATION  
Plested-Alvarez, M.C. et al [Colombia]

MO-SH08-4  
THE IMPACT OF DEVELOPING SUSTAINABLE FACILITIES ON LOCAL SPORTS PARTICIPATION: THE ITALIAN CASE  
Masoni, I. [Italy]

### MO-PM26 Rehabilitation and Physiotherapy: Orthopedic rehabilitation

LECTURE ROOM: LIVE 4  
Chair(s):  
Maffiuletti, N. [Switzerland]  
Stenroth, L. [Finland]

MO-PM26-1  
INTRA- AND INTER-RATER RELIABILITY OF STANDING HIP FLEXION STRENGTH AND SUPINE LUMBO-PELVIC CONTROL IN PATIENTS WITH LONGSTANDING HIP AND GROIN PAIN.  
Pålsson, A. et al [Sweden]

MO-PM26-2  
RETURN TO PLAY AFTER ACHILLES TENDON RUPTURE IN ELITE SOCCER PLAYER: A CASE REPORT  
Fanchini, M. et al [Italy]

MO-PM26-3  
LOWER LIMB MUSCLE WEAKNESS IN PATIENTS WITH SYMPTOMATIC HIP OSTEOARTHRITIS  
Friesenbichler, B. et al [Switzerland]

MO-PM26-4  
EFFECT OF LOW-INTENSITY PULSED ULTRASOUND ON SKELETAL MUSCLE CROSS-SECTIONAL AREA AFTER CARDIOTOXIN-INDUCED DAMAGE IN A MOUSE MODEL  
Nakamura, A. et al [Japan]

MO-PM26-5  
ERROR-REDUCED OBJECT CONTROL SKILLS TRAINING: FROM RESEARCH TO PRACTICE  
Capiro, C.M. et al [Hong Kong]

MO-PM26-6  
PREDICTORS OF ONSET OF MOBILITY DIFFICULTY IN AMBULATORY PATIENTS UNDERGOING MAINTENANCE HEMODIALYSIS  
Ishikawa, R. et al [Japan]

MO-PM26-7  
EXERCISE INTENSITY DOES NOT AFFECT POST-RESISTANCE EXERCISE HYPOTENSION IN TREATED HYPERTENSIVE ELDERLY FEMALES  
Rodriguez, D. [Brazil]

MO-PM26-8  
POSTURAL CONTROL DURING STAR EXCURSION BALANCE TEST  
Karagiannakis, D. et al [Greece]

### MO-PM28 Sports Medicine and Orthopedics: Mixed session I

LECTURE ROOM: LIVE 5  
Chair(s):  
Nyberg, M. [Denmark]  
Aagaard, P. [Denmark]

MO-PM28-1  
EFFECTS OF INTERVAL EXERCISE TRAINING ON BLOOD PRESSURE AND ENDOTHELIAL FUNCTION IN PRE- AND HYPERTENSIVE PATIENTS  
Park, J.J. et al [Korea, South]

MO-PM28-2  
THE EFFECT OF HIGH-INTENSITY INTERVAL EXERCISE AND RESISTANCE EXERCISE ON BLOOD PRESSURE IN NON-OBESE ADULTS\*  
Shi, Q. [Macau]

MO-PM28-3  
PREVALENCE AND CHARACTERISTICS OF EARLY REPOLARIZATION IN MACAO AMATEUR MALE ATHLETES' ELECTROCARDIOGRAM \*  
Nie, J. [Macau]

MO-PM28-4  
EFFECT OF MUSIC TYPE ON HEART RATE VARIABILITY DURING RECOVERY FROM MODERATE INTENSE EXERCISE  
Liang, I.J. et al [Taiwan]

MO-PM28-5  
EXERCISE PERFORMANCE IMPAIRMENT IN AN ELITE ENDURANCE ATHLETE AND HORMONAL CONTRACEPTIVE: IS THERE A LINK? CASE REPORT  
Heinicke, K. et al [Germany]

MO-PM28-6  
EFFECT OF MUSIC TYPE IN LACTATE CLEARANCE AND CARDIOPULMONARY SYSTEM AFTER MODERATE INTENSE EXERCISE  
Lee, P.Y. et al [Taiwan]

MO-PM28-7  
PHYSICAL ACTIVITY AND GESTATIONAL WEIGHT GAIN, POSTPARTUM WEIGHT RETENTION AND INFANT'S BIRTH WEIGHT AMONG WOMEN AT RISK OF GESTATIONAL DIABETES  
Leppänen, M. [Finland]

### MO-PM30 Sports Medicine and Orthopedics: Gender

LECTURE ROOM: LIVE 6  
Chair(s):  
Sandbakk, Ø. [Norway]  
Thomas, R. [Denmark]

MO-PM30-1  
OXIDANT/ANTIOXIDANT MARKERS IN FEMALE SOCCER PLAYERS WITH AND WITHOUT PREMENSTRUAL SYNDROME <PMS>  
Foster, R. et al [Brazil]

MO-PM30-2  
GENDER DIFFERENCES IN KNEE ABDUCTION DURING WEIGHT-BEARING ACTIVITIES: A SYSTEMATIC REVIEW AND META-ANALYSIS  
Cronström, A. et al [Sweden]

MO-PM30-3  
THE EFFECT OF ORAL CONTRACEPTIVES ON ATHLETIC PERFORMANCE IN FEMALE ATHLETES.  
Nakamura, M. et al [Japan]

MO-PM30-4  
CROSSFIT INJURIES – A DESCRIPTIVE SURVEY-BASED RETROSPECTIVE STUDY  
Larsen, C. et al [Denmark]

MO-PM30-5  
THE DIFFERENCES OF SHOULDER ROTATION AGONIST/ANTAGONIST TORQUE RATIO BETWEEN BASEBALL PLAYERS AND NON-PLAYERS IN DIFFERENT TESTING VELOCITIES AT VARIOUS JOINT POSITION  
Lin, S. [Taiwan]

MO-PM30-6  
PREVENTION OF ANTERIOR CRUCIATE LIGAMENT INJURIES IN COMPETITIVE ALPINE SKIERS  
Westin, M. [Sweden]

MO-PM30-7  
THE LONG-TERM USE OF LONG ACTING &#946;2-AGONISTS IMPROVES SPRINT AND STRENGTH PERFORMANCE.  
Merlini, M. [United Kingdom]

MO-PM30-8  
BALANCING THE IMBALANCE OF STROKE SURVIVORS WITH BACKWARD SLOPE WALKING ON DIFFERENTIAL TREADMILL GRADIENTS  
Agbonlahor, E. [Nigeria]

MO-PM30-9  
BMC AND BMD OF MIDDLE- AND OLD-AGED MALES UNDERGOING SHUTTLECOCK KICKING WITH DIFFERENT STYLES AND DURATIONS  
Ding, H. [China]

### MO-PM32 Sport Technology

LECTURE ROOM: LIVE 7  
Chair(s):  
Araujo, D. [Portugal]  
Linnamo, V. [Finland]

MO-PM32-1  
QUANTITATIVE, MULTISCALE PROFILING OF MOTION AND ACTIVITY IN CHILDREN  
Clark, C. et al [United Kingdom]

MO-PM32-2  
CRITERION VALIDITY AND RELIABILITY OF REAL-TIME GPS FOR THE MEASUREMENT OF TEAM SPORT ACTIVITY  
Minett, G. et al [Australia]

MO-PM32-3  
RUNNING ECONOMY CORRELATES WITH HORIZONTAL ACCELERATIONS OF THE HIP  
Franch, J. et al [Denmark]

MO-PM32-4  
CONCURRENT VALIDITY OF A FOOT MOUNTED IMU TO ESTIMATE STRIDE LENGTH IN RUNNING  
Brahms, C.M. et al [Canada]

MO-PM32-5  
QUANTIFICATION OF HIGH RUNNING VELOCITY USING A SOCCER MOTION CAMERA TRACING SYSTEM  
Enright, K. et al [United Kingdom]

# Mini-Oral Presentations

## MO-PM32-6

A NOVEL WIRELESS ELECTRONIC DEVICE TO DIRECTLY MONITOR TV VIEWING TIME  
Alahmadi, M.A. [Saudi Arabia]

## MO-PM32-7

VALIDITY OF THE WAHOO KICKR POWER TRAINER AND RELIABILITY OF A 4 KM CYCLE TIME TRIAL  
Zadow, E.K. et al [Australia]

## MO-PM34 Neuromuscular Physiology: Coordination

LECTURE ROOM: LIVE 8

Chair(s):

Geertsen, S. [Denmark]  
Blazevich, A. [Australia]

## MO-PM34-1

BILATERAL DEFICIT: CONTRIBUTION OF POSTURAL ADJUSTMENTS TO TORQUE PRODUCTION  
Simoneau-Buessinger, E. et al [France]

## MO-PM34-2

INVESTIGATION OF MOTOR UNIT SHORT-TERM SYNCHRONIZATION IN STERNOCLEIDOMASTOID MUSCLES  
Bo Cing, Y. et al [Taiwan]

## MO-PM34-3

REACTION TIME IN UPPER EXTREMITIES FOLLOW A PROXIMAL-DISTAL GRADIENT THAT MIGHT BE LINKED TO NEUROPHYSIOLOGICAL DIFFERENCES  
Aune, M.A. et al [Norway]

## MO-PM34-4

CORTICOSPINAL EXCITABILITY AND INTERHEMISPHERIC INHIBITION  
Gueugneau, N. et al [France]

## MO-PM34-5

DIFFERENCE BETWEEN MECHANOMYOGRAPHIC AND ELECTROMYOGRAPHIC RESPONSES TO ISOMETRIC CONTRACTIONS OF BICEPS BRACHII AT DIFFERENT ELBOW JOINT ANGLES  
Shima, N. et al [Japan]

## MO-PM34-6

SHORT-TERM LOW-LOAD BLOOD FLOW RESTRICTED EXERCISE IMPROVES MECHANICAL MUSCLE

FUNCTION AND NEUROMUSCULAR ACTIVATION  
Nielsen, J.L. et al [Denmark]

## MO-PM34-7

NEUROMUSCULAR RESPONSE OF THE LOWER LIMB DURING GROSS MOTOR TASKS  
Furlong, L.A.M. et al [United Kingdom]

## MO-PM34-8

SPECTRAL EMG CHANGES OF THE SUPERIMPOSED M WAVE DURING ISOMETRIC VOLUNTARY CONTRACTIONS OF INCREASING INTENSITY  
Rodríguez-Falces, J. [Spain]

## MO-PM34-9

EFFECT OF WEIGHT BEARING ON TOE FLEXOR STRENGTH AND FOOT ARCH HEIGHT  
Fukuoka, R. et al [Japan]

## MO-SH11 Sports statistics & Analysis II

LECTURE ROOM: LIVE 10

Chair(s):

Zemkova, E. [Slovakia]

## MO-SH11-1

COMPARATIVE OF RACE STRATEGIES VERSUS OPTIMAL STRATEGIES IN 2000 M ROWING  
Rachnavy, P. [Thailand]

## MO-SH11-2

STRUCTURAL EQUATION MODELS OF MORPHOLOGICAL SPRINT MOTION FOR ELEMENTARY SCHOOL CHILDREN  
Kokudo, S. [Japan]

## MO-SH11-3

SWIMMER TRACKING BY SINGLE HIGH-DEFINITION CAMERA  
Minato, Y. et al [Japan]

## MO-SH11-4

SUCCESS IN ELITE JUNIOR TENNIS: THE SHORT STORY  
Klaus, A. et al [Germany]

## MO-SH11-5

DIGITAL ZOOM VIDEO OF SWIMMERS BY HIGH-DEFINITION CAMERA  
Kameda, Y. et al [Japan]

## MO-SH11-6

PERFORMANCE TIME DIFFERENTIALS OF ELITE ALPINE SKIERS  
Spencer, M. et al [Norway]

## MO-SH11-7

PHYSIOLOGICAL RESPONSES AND PHYSICAL ACTIVITY IN SMALL-SIDED GAMES FOR COLLEGIATE SOCCER PLAYERS  
Takai, Y. et al [Japan]

## MO-SH11-8

EFFECT OF PLAYING LEVEL ON MATCH-PLAY ACTIVITY PROFILE IN COLLEGIATE SOCCER  
Horio, K. et al [Japan]

## Friday, June 26th

15:00 - 16:00

## MO-PM37 Training and Testing: Fatigue and neuromuscular physiology

LECTURE ROOM: HIGH LIVE 1

Chair(s):

Nosaka, K. [Australia]  
Ritzmann, R. [Germany]

## MO-PM37-1

BRAIN OXYGENATION, CARDIOVASCULAR RESPONSES AND RUNNING PERFORMANCE WEARING A COMPRESSION GARMENT  
Leoz-Abaurrea, I. et al [Spain]

## MO-PM37-2

EXERCISE-INDUCED MUSCLE DAMAGE MARKERS DURING A FAMILIARIZATION PROTOCOL TO ECCENTRIC CYCLING  
Tornaghi, M. et al [Italy]

## MO-PM37-3

EFFECTS OF DIFFERENT RECOVERY INTERVENTIONS FOLLOWING A HALF MARATHON ON MARKERS OF FATIGUE AND RECOVERY IN RECREATIONAL RUNNERS  
Wiewelhoe, T. et al [Germany]

## MO-PM37-4

METABOLIC PROFILE OF BODY MASS-BASED SQUAT EXERCISE IN HEALTHY YOUNG MEN.  
Haramura, M. et al [Japan]

## MO-PM37-5

PHYSIOLOGICAL RESPONSES TO TWO CONSECUTIVE SIMULATED TAEWONDO MATCHES <4X1.5 MIN> IN ELITE YOUNG ATHLETES  
Nikolaidis, P. et al [Greece]

## MO-PM37-6

COMPARISON OF METHODS TO IDENTIFY THE ANAEROBIC THRESHOLD ON A BICYCLE ERGOMETER  
Kováčová, L. et al [Czech Republic]

## MO-PM37-7

UNIQUE ACTIVATION OF THE QUADRICEPS FEMORIS DURING MULTI-JOINT EXERCISE: IMPLICATION FOR TRAINING-SPECIFICITY OF INDIVIDUAL MUSCLES  
Ema, R. et al [Japan]

## MO-PM37-8

MUSCLE SYNERGIES OF LOWER LIMBS DURING VERTICAL JUMP  
Takagi, H. et al [Japan]

## MO-PM35 Training and Testing: Strength

LECTURE ROOM: KUBEN

Chair(s):

Tiidus, P. [Canada]  
Kay, A. [United Kingdom]

## MO-PM35-1

TRAINING OUTPUT MONITORING SCALE IN SOCCER  
Muñoz-Lopez, A. et al [Spain]

## MO-PM35-2

SPRINT KINETICS AND KINEMATICS ON A NON-MOTORISED TREADMILL ARE UNIQUE TO POSITION IN RUGBY ATHLETES  
Brown, S.R. et al [New Zealand]

## MO-PM35-3

MONITORING OF TRAINING LOAD AND FATIGUE IN YOUTH CYCLISTS  
Kilian, Y. et al [Germany]

## MO-PM35-4

INCREASED HAIR CORTISOL LEVELS IN FEMALE ENDURANCE ATHLETES THROUGH ALTITUDE TRAINING: A USEFUL DIAGNOSTIC TOOL FOR OVERTRAINING  
Bamba, A. et al [Japan]

## MO-PM35-5

BILATERAL SQUAT SYMMETRY PRE AND POST A 7 WEEK TRAINING PROGRAM FOR SURFING ATHLETES  
Lundgren, L. et al [Australia]



## MO-PM35-6

ELBOW ANGLE CHANGES DURING THE UNDER-WATER STROKE PHASE IN SPRINT-ASSISTED TRAINING FOR COMPETITIVE SWIMMERS  
Tanaka, T. et al [Japan]

## MO-PM35-7

EFFECTS OF 8 WEEKS OF ISOKINETIC TRAINING ON POWER, GOLF KINEMATICS, AND CLUB HEAD SPEED IN ELITE GOLFERS  
Parker, J.M. et al [Sweden]

## MO-PM35-8

THE EFFECTS OF 8 WEEKS OF PLYOMETRIC TRAINING ON SPRINT AND JUMP PERFORMANCE IN FEMALE HIGH SCHOOL BASKETBALL PLAYERS  
Benis, R. et al [Italy]

## MO-PM35-9

EFFECTIVENESS OF 4-WEEK LOADED MOVEMENT OR BODYWEIGHT TRAINING IN IMPROVING THE THICKNESSES OF THE DEEP AND SUPERFICIAL ABDOMINAL MUSCLES IN COLLEGIATE STUDENTS  
Izumi, S. et al [Japan]

## MO-PM35-10

ACUTE EFFECTS OF ONE-LEGGED STRETCHING ON REGIONAL ARTERIAL STIFFNESS IN HEALTHY YOUNG MEN  
Yamato, Y. et al [Japan]

### MO-PM38 Training and Testing: Team Sports I

LECTURE ROOM: HIGH LIVE 2

Chair(s):

Close, G. [United Kingdom]

He, z. [China]

## MO-PM38-1

RELATIONSHIP BETWEEN HEIGHT, BODY MASS AND RUNNING SPEED PERFORMANCES IN YOUTH MALE SOCCER PLAYERS  
Mathisen, G. et al [Norway]

## MO-PM38-2

DEVELOPMENT AND RELIABILITY OF THE COLORADO COLLEGE ANAEROBIC CAPACITY TEST <CAT>  
Bull, A. et al [United States]

## MO-PM38-3

VALUATION OF FOOTBALL PLAYERS LEVEL BY LOWER LIMBS STRENGTH USING CMJ 2.1  
Rossi, A. et al [Italy]

## MO-PM38-4

FACTORS AFFECTING SLEEP BEHAVIOURS IN PROFESSIONAL AUSTRALIAN FOOTBALL PLAYERS  
Coutts, A.J. et al [Australia]

## MO-PM38-5

INTENSITY AND ENERGY EXPENDITURE OF EXERCISIONS AND RATE OF PERCEIVED EXERTION AFTER FUTSAL TOURNAMENT MATCHES  
Wala&#324;ski, P. et al [Poland]

## MO-PM38-6

YOUTH SOCCER PLAYERS WHO ENTER, CONTINUE AND -OUT A PROFESSIONAL YOUTH ACADEMY  
Bidaurrazaga-Letona, I. et al [Spain]

## MO-PM38-7

COMPARISON OF THE ENERGETIC PROFILE, TIME-MOTION AND TECHNICAL ACTIONS BETWEEN SMALL VS. LARGE-SIDED SOCCER GAMES  
Oh, S. et al [Germany]

## MO-PM38-8

AGE-RELATED DIFFERENCES IN COUNTERMOVEMENT VERTICAL JUMP IN BASKETBALL PLAYERS 13-18 YEARS OLD: COMPARISON WITH ELITE BASKETBALL PLAYERS.  
Koulla, P. et al [Cyprus]

## MO-PM38-9

WARM-UP FOR TEAM SPORTS: A DESCRIPTIVE REVIEW OF STUDIES AND PROCEDURES  
Peña, J. et al [Spain]

### MO-PM39 Training and Testing: Team Sports II

LECTURE ROOM: HIGH LIVE 3

Chair(s):

Wagner, H. [Austria]

Ali, A. [New Zealand]

## MO-PM39-1

THE EFFECTS OF RECOVERY TIME ON REPEATED SPRINT ABILITY IN SOCCER PLAYERS  
Padulo, J. et al [Italy]

## MO-PM39-2

ANALYSIS OF INTENSITY OF EXERCISE LOAD OF BASKETBALL PLAYERS IN A CHAMPIONSHIP MATCH IN THE CADETS CATEGORY – CASE STUDY  
Vala, R. et al [Czech Republic]

## MO-PM39-3

THE INFLUENCE OF SMALL SIDED GAMES PITCH SIZE ON INTERNAL AND EXTERNAL LOAD  
Malone, S. et al [Ireland]

## MO-PM39-4

EARLY PREDICTION OF MAXIMAL HEART RATE DURING INCREMENTAL TESTING IN YOUNG SOCCER PLAYERS  
Di Michele, R. et al [Italy]

## MO-PM39-5

PERFORMANCE CHANGES IN WOMEN'S HANDBALL PLAYERS FOLLOWING TWO DIFFERENT TRAINING PERIODIZATION MODELS  
Manchado, C. et al [Spain]

## MO-PM39-6

MEASURING GAME INSIGHT SKILLS OF ELITE YOUNG FOOTBALL PLAYERS  
Savelsbergh, G. [Netherlands]

## MO-PM39-7

COMPLEX STAGE TESTING IN YOUNG SOCCER PLAYERS  
Berdnikova, A. et al [Russia]

### MO-PM40 Training and Testing: Endurance

LECTURE ROOM: HIGH LIVE 4

Chair(s):

Levels, K. [Netherlands]

Sandbakk, Ø. [Norway]

## MO-PM40-1

ACCURACY OF PREDICTIVE MAXIMAL HEART RATE EQUATIONS IN FEMALE ATHLETES  
Reilly, E. et al [United States]

## MO-PM40-2

RELATIONSHIP BETWEEN AEROBIC FITNESS AND MATCH ACTIVITY PROFILES OF JAPANESE YOUNG SOCCER REFEREES  
Yoshihiko, I. et al [Japan]

## MO-PM40-3

COMPARISON OF OXYGEN UPTAKE KINETICS DURING LABORATORY AND FIELD CYCLING AT HIGH-INTENSITY EXERCISE  
Prinz, B. et al [Austria]

## MO-PM40-4

THE D-MAX METHOD IS A VALID LACTATE THRESHOLD MEASUREMENT FOR PREDICTING 5-KM TREADMILL RUNNING PERFORMANCE IN VETERAN ATHLETES  
Forsyth, J. [United Kingdom]

## MO-PM40-5

INTERVAL SPRINT TRAINING INCREASES AEROBIC CAPACITY IN PRIMARY SCHOOL CHILDREN  
Kappenstein, J. et al [Germany]

## MO-PM40-6

A SPECIFIC REPEATED SPRINT ABILITY TEST FOR YOUNG TENNIS PLAYERS: VALIDITY AND VENTILATORY CHANGES  
Martínez-Cantó, A. et al [Spain]

## MO-PM40-7

EFFECT OF DIFFERENT TIME-AVERAGING INTERVALS ON THE VALID DETERMINATION OF VO<sub>2</sub>PEAK IN CHILDREN AND ADOLESCENTS WITH CHRONIC KIDNEY DISEASE  
Herhaus, B. et al [Germany]

## MO-PM40-8

IS HEART RATE A VALID MEASURE TO MONITOR EXERCISE INTENSITY DURING TRAIL RUNNING IN UNDULATING TERRAIN?  
Born, D.P. et al [Germany]

### MO-PM41 Training and Testing: Endurance & Clinical

LECTURE ROOM: LIVE 1

Chair(s):

Willems, M. [United Kingdom]

Evans, W. [United States]

## MO-PM41-1

VALIDATION OF A SINGLE BLOOD LACTATE MEASUREMENT AS A PRACTICAL ALTERNATIVE TO FIXED BLOOD LACTATE THRESHOLDS IN ATHLETES  
García-Tabar, I. et al [Spain]

## MO-PM41-2

PHYSIOLOGICAL CHARACTERISTICS AND PERFORMANCE ANALYSIS OF MONZA-RESEGONE NIGHT-RUN ATHLETES  
Zaccaria, D. et al [Italy]

## MO-PM41-3

DOES SELF-STRUCTURED RUNNING IMPROVE RUNNING ECONOMY AND V<sub>̇</sub>O<sub>2</sub>MAX IN NOVICE RUNNERS; A 31-WEEK PROSPECTIVE STUDY.  
Rokkedal-Lausch, T. [Denmark]

## MO-PM41-4

A NEW TREADMILL TEST TO EVALUATE AEROBIC INDICES FROM UPHILL RUNNING  
de Lucas, R. et al [Brazil]

## MO-PM41-5

CARDIOVASCULAR AND METABOLIC RESPONSES DURING ON-WATER UPWIND SAILING IN OPTIMIST SAILORS  
Capelli, C. et al [Norway]

## MO-PM41-6

CRITICAL VELOCITY DOES NOT REFLECT STEADY STATE EXERCISE IN LONG TRACK SPEED SKATING  
Mulder, R. et al [Netherlands]

## MO-PM41-7

IDENTIFYING TRAINING THAT IMPROVED PERFORMANCE: ANALYSIS OF LARGE GPS TRAINING DATASETS IN WELL-TRAINED RUNNERS  
Passfield, L. et al [United Kingdom]

## MO-PM41-8

INTERINDIVIDUAL VARIATION IN THE RELATIONSHIP OF DIFFERENT INTENSITY MARKERS – A CHALLENGE FOR TARGETED TRAINING PRESCRIPTIONS  
Hecksteden, A. [Germany]

## MO-PM41-9

HEADACHE RESPONSE TO SPECIFIC STRENGTH TRAINING FOR TENSION-TYPE HEADACHE PATIENTS IN A RANDOMIZED CONTROLLED STUDY  
Madsen, B.K. et al [Denmark]

# Mini-Oral Presentations

## MO-PM41-10

IS THE EKBLOM-BAK TEST A VALID SCREENING TOOL FOR VO<sub>2</sub>PEAK IN HIGHLY ACTIVE INDIVIDUALS?

Cardinale, D. et al [Sweden]

## MO-PM41-11

VALIDATION OF TWO SUBMAXIMAL EXERCISE TESTS IN BREAST CANCER PATIENTS UNDERGOING CHEMOTHERAPY TREATMENT

Mijwel, S. et al [Sweden]

## MO-PM42 Training and Testing: Interval training, Time trial

LECTURE ROOM: LIVE 2

Chair(s):

Cotter, J. [New Zealand]

Mattsson, C. [Sweden]

## MO-PM42-1

A NOVEL APPROACH TO THE PRESCRIPTION OF HIGH-INTENSITY INTERVAL TRAINING USING THE CRITICAL VELOCITY ON A YOYOIRT

Collins, K. et al [Ireland]

## MO-PM42-2

ACUTE EFFECTS OF A TRAINING SESSION ON IGF-1 AND IGFBP3 CONCENTRATIONS OF JIU-JITSU FIGHTERS

Tourinho Filho, H. et al [Brazil]

## MO-PM42-3

DETERMINATION OF ANAEROBIC THRESHOLD'S CORRECTION FACTORS IN DIFFERENT INTERMITTENT TRAINING SETS IN SWIMMING

Gobbi, R.B. et al [Brazil]

## MO-PM42-4

HIGH INTENSITY INTERVAL TESTING IN SPORT

Zakharova, A. et al [Russia]

## MO-PM42-5

MONITORING FATIGUE AND RECOVERY DURING HEAVY STRENGTH TRAINING

Raeder, C. et al [Germany]

## MO-PM42-6

PACING ACCURACY DURING AN INCREMENTAL STEP TEST IN ADOLESCENT SWIMMERS

Scruton, A. et al [United Kingdom]

## MO-PM42-7

PACING STRATEGY, MOOD AND HORMONAL RESPONSE IN YOUTH ATHLETES DURING OFFICIAL TRIATHLON AND DUATHLON COMPETITIONS

Piacentini, M.F. et al [Italy]

## MO-PM42-8

INDICATORS OF PHYSICAL LOAD AND STRAIN DURING SIMULATED TIME TRIALS IN TRAINED CYCLISTS – EFFECTS OF FATIGUE STATUS AND SUBJECT IDENTITY

Schwindling, S. et al [Germany]

## MO-PM42-9

EFFECTS OF ISCHEMIC PRECONDITIONING ON PERFORMANCE MAY BE PARTLY A PLACEBO EFFECT?

Marocolo, M. et al [Brazil]

## MO-SH09 Psychology III

LECTURE ROOM: LIVE 3

Chair(s):

Biddle, S. [Australia]

Hutter, V. [Netherlands]

## MO-SH09-1

THE RELATIONSHIP BETWEEN SEX ROLES AND NARCISSISM AND SELF-ESTEEM IN SPORT MANAGERS

Zargar, T. [Iran]

## MO-SH09-2

CAREER TRANSITIONS AND OCCUPATIONAL WELL-BEING IN LEADERSHIP: THE CASE OF WOMEN AS SPORTS COACHES

Didymus, F.F. et al [United Kingdom]

## MO-SH09-3

DO DRIVE FOR MUSCULARITY, BODY ESTEEM, SELF-EFFICACY AND PHYSICAL ACTIVITY LEVEL DIFFER BETWEEN SELECTED AND NON-SELECTED MALE AND FEMALE CANDIDATES TO OFFICER CANDIDATE SCHOOLS?

Stornæs, A.V. et al [Norway]

## MO-SH09-4

ASSOCIATIONS OF PHYSICAL ACTIVITY, CARDIORESPIRATORY FITNESS AND MOTOR SKILL TO EXECUTIVE FUNCTION: THE ACTIVE SMARTER KIDS STUDY

Aadland, K. et al [Norway]

## MO-SH09-5

EFFECT OF PHYSICALLY ACTIVE ACADEMIC LESSONS ON CHILDREN'S ACADEMIC ACHIEVEMENT: A RANDOMIZED CONTROLLED TRIAL

Hartman, E. et al [Netherlands]

## MO-SH09-6

PERCEIVED TEACHING CONTROL AND PSYCHOLOGICAL NEED FRUSTRATION AS PREDICTORS OF STUDENT MOTIVATION AND MOTIVATION-RELATED OUTCOMES ACROSS A SCHOOL YEAR

Ntoumanis, N. et al [Australia]

## MO-SH09-7

EFFECTS OF ACUTE YOGA PRACTICE ON CARDIAC AUTONOMIC CONTROL AND STRESS RESPONSE

Lin, Y.J. et al [Taiwan]

## MO-PM43 Training and Testing: Coordination & Agility

LECTURE ROOM: LIVE 4

Chair(s):

Nicol, C. [France]

Nassis, G. [Qatar]

## MO-PM43-1

FOAM ROLLING OF THE ANKLE DORSIFLEXORS AND PLANTARFLEXORS DOES NOT AFFECT VERTICAL JUMP PERFORMANCE IN YOUNG HEALTHY ADULTS

Sempf, F. et al [Germany]

## MO-PM43-2

STRENGTH AND BALANCE DEVELOPMENT IN FEMALE SOCCER PLAYERS

Roth, R. et al [Switzerland]

## MO-PM43-3

COMPARISON OF VARYING INTENSITIES ON MUSCLE ACTIVATIONS DURING BENCH PRESS IN TRAINED AND UNTRAINED MEN

Jeon, H.S. et al [Korea, South]

## MO-PM43-4

THE EFFECTS OF 8-WEEKS BALANCE TRAINING ON BALANCE, AGILITY AND JUMPING SKILLS OF COLLEGIATE ACTIVE FEMALE

Sahin, F.N. et al [Turkey]

## MO-PM43-5

ACCELERATION, AGILITY AND CHANGE OF DIRECTION SPEED OF SUB-ELITE U-15 SOCCER PLAYERS: VARIATION BY PLAYING POSITION

Trecroci, A. et al [Italy]

## MO-PM43-6

MULTIVARIATE STATISTICAL ASSESSMENT OF PREDICTORS OF FIREFIGHTERS' MUSCULAR AND AEROBIC WORK CAPACITY

Lindberg, A. et al [Sweden]

## MO-PM43-7

PHYSIOLOGICAL PROFILES OF DIFFERENT COMPETITIVE LEVELS AND WEAPONS OF FENCERS

Lo, K.K. et al [Hong Kong]

## MO-PM43-8

EFFECTS OF DIFFERENT PACESETTERS DURING CYCLOERGOMETER EXERCISE

Leccia, D. et al [Italy]

## MO-PM44 Training and Testing: Mixed

LECTURE ROOM: LIVE 5

Chair(s):

Hodson-Tole, E. [United Kingdom]

Ishikawa, M. [Japan]

## MO-PM44-1

CHANGES IN PHYSICAL PERFORMANCE AND BODY COMPOSITION OF SOLDIERS DURING A 6-MONTH CRISIS MANAGEMENT OPERATION

Pihlainen, K. et al [Finland]

## MO-PM44-2

A NEW ESTIMATION METHOD FOR MALE ATHLETE'S TOTAL SKELETAL MUSCLE MASS BY USING ULTRASONOGRAPHY: DIFFERENCE OF PREDICTION MODEL WITH SEDENTARY POPULATION

Toda, Y. et al [Japan]

## MO-PM44-3

SENSIBILITY OF THE VO<sub>2</sub>PEAK AND ANAEROBIC CAPACITY TO MATURATION STAGES AND THEIR POSSIBLE RELATION WITH SWIMMING PERFORMANCE

Campos, E.Z. et al [Brazil]

## MO-PM44-4

THE ACUTE EFFECTS OF DIFFERENT STRETCHING PROTOCOLS ON TAEKWONDO KICKING PERFORMANCE

Wu, C.M. et al [Taiwan]

## MO-PM44-5

SHOULDER STRENGTH RATIOS OF BOXER ATHLETES

Tasiopoulos, I.G. et al [Greece]

## MO-PM44-6

THE RELATIVE AGE EFFECT IN EUROPEAN PROFESSIONAL SOCCER: DID TEN YEARS OF RESEARCH MAKE ANY DIFFERENCE?

Helsen, W. et al [Belgium]

## MO-PM29 Sports Medicine and Orthopedics: Mixed session II

LECTURE ROOM: LIVE 6

Chair(s):

Nyberg, M. [Denmark]

Tornberg, Å. [Sweden]

## MO-PM29-1

EFFECTS OF CONTRAST BATHING ON AUTONOMIC NERVOUS ACTIVITY

Ito, H. et al [Japan]

## MO-PM29-2

KIDNEY INJURY AND ATHLETES ANAEMIA AFTER THE SÃO PAULO INTERNATIONAL MARATHON

Sierra, A. et al [Brazil]

## MO-PM29-3

EFFECT OF SLEEP QUALITY ON COGNITIVE FUNCTION DURING EXERCISE IN ATHLETES.

Akazawa, N. et al [Japan]

MO-PM29-4  
INVESTIGATION OF THE ADEQUATE METHOD OF LIQUID INTAKE FOR DOPING CONTROL 2  
Tanabe, Y. et al [Japan]

MO-PM29-5  
INVESTIGATION OF THE ADEQUATE METHOD OF LIQUID INTAKE FOR DOPING CONTROL  
Etsuko, K. et al [Japan]

MO-PM29-6  
THE CHALLENGES AND NEEDS FACED BY NATIONAL SWIMMING FEDERATIONS IN PROMOTING HEALTH.  
de la Cruz Marquez, J. et al [Spain]

MO-PM29-7  
INCIDENCE OF INJURIES AND ASSOCIATED FACTORS IN TRADITIONAL WRESTLING  
Casals, M. et al [Spain]

MO-PM29-8  
LIFESTYLE OF RUGBY PLAYERS IN COLOMBIA: A PILOT STUDY  
Martínez-Rueda, R. et al [Colombia]

MO-PM29-9  
SPORTS INJURIES DURING THE 2014 WORLD UNIVERSITY FLOORBALL CHAMPIONSHIP  
Mukherjee, S. et al [Singapore]

### MO-PM36 Training and Testing: Strength and neuromuscular physiology

LECTURE ROOM: LIVE 7  
Chair(s):  
Raastad, T. [Norway]  
Baudry, S. [Belgium]

MO-PM36-1  
PERIODIZED MAXIMUM STRENGTH AND POWER TRAINING-INDUCED CHANGES IN MUSCLE ACTIVATION LEVEL AND CONCOMITANT CHANGES IN FORCE PRODUCTION  
Peltonen, H. et al [Finland]

MO-PM36-2  
RELATIONSHIP BETWEEN MUSCLE POWER PRODUCED IN THE ACCELERATION AND THE DECEL-

ERATION PHASE OF TRUNK ROTATIONS WITH DIFFERENT WEIGHTS  
Zemková, E. et al [Slovakia]

MO-PM36-3  
EVALUATION OF TRAINING LOAD DURING SUSPENSION TRAINING: IS SESSION-RPE A VALID METHOD?  
Giancotti, G.F. et al [Italy]

MO-PM36-4  
MUSCULAR ACTIVITIES DURING NORMAL, SPEED, AND JUMP BASED PUSH UP EXERCISE  
Song, S.H. et al [Korea, South]

MO-PM36-5  
THE ANALYSIS OF YOUNG TENNIS PLAYERS UPPER EXTREMITY MUSCLE STRENGTH CONTRA-LATERAL IMBALANCE DURING A ONE YEAR STUDY  
Zusa, A. et al [Latvia]

MO-PM36-6  
POST-ACTIVATION POTENTIATION VS. FATIGUE USING TWO ISOMETRIC STRENGTH TRAINING PROTOCOLS: EFFECTS ON TWITCH TORQUE  
Patikas, D. et al [Greece]

MO-PM36-7  
ADAPTATIONS IN MOTONEURON AND MOTOR UNIT PROPERTIES TO THE CHRONIC COMPENSATORY MUSCLE OVERLOAD  
Krutki, P. et al [Poland]

MO-PM36-8  
INVESTIGATION OF THE NEUROMUSCULAR CONTROL AND PLASTICITY OF INTRINSIC FOOT MUSCLE ACTIVATION IN HUMAN  
Mileva, K. et al [United Kingdom]

### MO-BN02 Coaching

LECTURE ROOM: LIVE 8  
Chair(s):  
Christiansen, L. [Denmark]  
Ekberg, J. [Sweden]

MO-BN02-1  
THE EFFECTS OF TENNIS ON QUADRATUS LUMBORUM MUSCLE IN CHILDREN: A VOLUMETRIC MRI STUDY  
Sanchis-Moysi, J. et al [Spain]

MO-BN02-2  
RELATIONSHIP BETWEEN CONTRACTION INTENSITY AND MUSCLE HARDNESS ASSESSED BY REAL-TIME TISSUE ELASTOGRAPHY FOR THE ELBOW FLEXORS AT DIFFERENT JOINT ANGLES  
Inami, T. et al [Japan]

MO-BN02-3  
ACUTE EFFECT OF DIFFERENT WARM-UP PROTOCOLS ON MECHANICAL PROPERTIES OF THE BICEPS BRACHII MUSCLE IN HEALTHY SUBJECTS  
Yu-Jen, C. et al [Taiwan]

MO-BN02-4  
RESTING MUSCLE HARDNESS OF BICEPS BRACHII ASSESSED BY A PRESSURE METER IN COMPARISON TO REAL TIME ELASTOGRAPHY  
Murayama, M. et al [Japan]

MO-BN02-5  
COMPARISON OF MUSCLE ELASTICITY BETWEEN PASSIVE AND ACTIVE CONDITION  
Kato, E. et al [Japan]

MO-BN02-6  
EVALUATION OF FORCE-VELOCITY AND POWER-VELOCITY RELATIONSHIP OF ARM MUSCLES  
Nedeljkovic, A. et al [Serbia]

MO-BN02-7  
MUSCULOTENDINOUS MECHANICAL PROPERTIES AND LOWER LIMB MORPHOLOGY IN TRACK AND FIELD ATHLETES  
Hisano, T. et al [Japan]

MO-BN02-8  
THE EFFECT OF KINESIO TAPING ON QUADRICEPS PAIN PREVENTION  
Hao-Wei, Y. [Taiwan]

MO-BN02-9  
LONG TERM EFFECTS OF LANDING SURFACE STABILITY ON JUMP PERFORMANCE  
Pollitt, L. et al [United Kingdom]

### MO-SH14 Sports statistics & Analysis III

LECTURE ROOM: LIVE 10  
Chair(s):  
Araujo, D. [Portugal]  
Jaitner, T. [Germany]

MO-SH14-1  
ACTIVITY PROFILE OF 'LA LIGA' SOCCER PLAYERS DURING A SEASON  
Buscà, B. et al [Spain]

MO-SH14-2  
RELATIONSHIPS BETWEEN EXPERIENCE OF PLAYING GAMES AND THE EXPERT KNOWLEDGE IN FEMALE BASKETBALL PLAYERS  
Sakuragi, K. et al [Japan]

MO-SH14-3  
QUANTIFICATION OF NUMBER AND APPEARANCE RATIO OF A BALL CONTROL PLAY FACING OPPONENT'S GOAL IN SOCCER.  
Kai, T. et al [Japan]

MO-SH14-4  
EXPLORING GOAL SCORING CERTAINTY IN SOCCER: THE INFLUENCES OF PLAYING LEVEL, PASSING AND SHOOTING SKILLS, AND FATIGUE  
Tenga, A. et al [Norway]

MO-SH14-5  
COMPARISON OF PHYSICAL PERFORMANCE AMONG BRAZILIAN YOUNG HANDBALL PLAYERS OF DIFFERENT AGE-CATEGORIES BEFORE AND AFTER CONTROLLING FOR MATURATION  
Ramos, M. et al [Brazil]

MO-SH14-6  
RUGBY UNION MOVEMENT PATTERNS: THE IMPACT OF FATIGUE AND SUBSTITUTE PLAYERS  
Tee, J. et al [South Africa]

MO-SH14-7  
VIDEO BASED NOTATIONAL ANALYSIS OF BALL POSSESSION IN US NATIONAL COLLEGIATE ATHLETIC ASSOCIATION <NCAA> DIVISION I MEN'S LACROSSE  
Hauer, R. et al [Austria]

MO-SH14-8  
EFFECTS OF AUGMENTED QUANTITATIVE FEEDBACK ON HIGH SCHOOL BASKETBALL PLAYERS' PERFORMANCE  
Tay, C. [Singapore]

MO-SH14-9  
BIASED PENALTY CALLS IN THE NATIONAL HOCKEY LEAGUE  
Swartz, T. [Canada]

MO-SH14-10  
TACTICAL ANALYSES OF BRAZILIAN FEMALE NATIONAL HANDBALL TEAM IN 2012 LONDON OLYMPICS  
Valtner, T.T. et al [Brazil]

## PP-UD01 e-poster

### Adapted Physical Activity

PP-UD01-1-1  
IMPACT OF AN ADAPTED PHYSICAL ACTIVITY FOR PATIENTS WITH CHRONIC KIDNEY DISEASE  
Frih, B. et al [Tunisia]

PP-UD01-1-2  
EFFECT OF BLOOD VOLUME ON PLASMA VOLUME SHIFT DURING EXERCISE  
Ogura, T. et al [Japan]

PP-UD01-1-3  
BLOOD VOLUME AND AEROBIC PERFORMANCE IN ELITE SOCCER PLAYER  
Kaïta, K. et al [Japan]

PP-UD01-1-4  
LONG-TERM ENDURANCE EXERCISE IN MS PATIENTS – IMPACT ON QUALITY OF LIFE AND DEPRESSIVE SYMPTOMS IN RELATION TO BASELINE FATIGUE  
Wonneberger, M. et al [Germany]

PP-UD01-1-5  
ASSOCIATION OF PHYSICAL ACTIVITIES AND SEDENTARY BEHAVIORS WITH SLEEP DISTURBANCE BY DIFFERENCE BETWEEN COMMUNITY-DWELLING ELDERLY WITH AND WITHOUT MUSCULOSKELETAL PAIN.  
Saito, T. et al [Japan]

PP-UD01-1-6  
INFLUENCE OF BLINDNESS ON INTERMITTENT RUNNING PERFORMANCE  
Hoos, O. et al [Germany]

PP-UD01-1-7  
INFLUENCE OF HIP THERAPY ON RESPIRATORY MUSCLE STRENGTH IN INDIVIDUALS WITH DOWN SYNDROME IN THE FEDERAL DISTRICT, BRAZIL  
Barros, J.F. et al [Brazil]

PP-UD01-1-8  
INFLUENCE ON V-WAVE RECOVERY CURVE DURING SKIN COOLING USING A DOUBLE STIMULATION METHOD  
Yona, M. et al [Japan]

PP-UD01-1-9  
LIFE QUALITY OF SPINAL CORD INJURED  
Silva, A.R. et al [Brazil]

PP-UD01-1-10  
METABOLIC CHANGES IN HUMAN MUSCLE WITH 90 DAY BED-REST AND RESISTANCE EXERCISE  
Cussó, R. et al [Spain]

PP-UD01-1-11  
DO CANCER PATIENTS RE-CALL PHYSICAL ACTIVITY FROM LAST WEEK?  
Vassbakk-Brovold, K. et al [Norway]

PP-UD01-1-12  
COMPARISON OF PHYSICAL ACTIVITY BETWEEN ADOLESCENTS LIVING IN A COASTAL AREA AFFECTED BY THE GREAT EAST JAPAN EARTHQUAKE AND TSUNAMI AND THOSE OUTSIDE AN AFFECTED AREA  
Okazaki, K. et al [Japan]

PP-UD01-1-13  
PHYSICAL ACTIVITY AND OBESITY IN DOWN'S SYNDROME  
Joffroy, S. et al [France]

### Biomechanics

PP-UD01-2-1  
EFFECTS OF TENNIS ON PARASPINAL MUSCLES IN PREPUBESCENT AND PROFESSIONAL PLAYERS: A VOLUMETRIC MRI STUDY  
Dorado, C. et al [Spain]

PP-UD01-2-2  
THE CHARACTERISTICS OF LOWER LIMB MOTOR FUNCTION AND KINEMATICS OBSERVED IN 2 STEP TEST: FOCUS ON THE DISTINCTION AMONG THE RISK OF

FALLING.  
Miyamoto, R. et al [Japan]

PP-UD01-2-3  
MUSCLE ACTIVATION OF WORLD-CLASS BREASTSTROKE SWIMMERS  
Olstad, B.H. et al [Norway]

PP-UD01-2-4  
MUSCLE ACTIVATION AND KINEMATIC DIFFERENCES BETWEEN FEMALE AND MALE ELITE BREASTSTROKE SWIMMERS  
Grydeland, M. et al [Norway]

PP-UD01-2-5  
DEPENDENCE OF SPORTS RESULT IN JERK OF THE BAR FROM THE LEVEL OF PHYSICAL READINESS OF SPORTSMEN AND BIOMECHANICAL PARAMETERS OF MOVEMENT  
Sivokhin, I. et al [Kazakhstan]

PP-UD01-2-6  
COMPARISON OF CONCENTRIC FORCES BETWEEN TWO VERTICAL JUMPS ON LAND OR IN WATER  
Chen, W.C. et al [Taiwan]

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DIFFERENT ATTACHMENT POINTS OF RESISTED METHODS AND ITS CONSEQUENCES IN VELOCITY TRAINING: A DYNAMOMETRIC STUDY  
Lemos, L. et al [Brazil]

PP-UD01-2-9  
MUSCLE ACTIVITIES IN LOWER LIMB AFFECT TO THE CRANK FORCE DURING MAXIMAL PEDALING  
Tanaka, S. et al [Japan]

PP-UD01-2-10  
STRUCTURAL AND CONTRACTILE PROPERTIES OF THE THIGH MUSCLE IN SPRINTERS AND LONG DISTANCE RUNNERS  
Hiratsuka, K. et al [Japan]

PP-UD01-2-11  
CHANGES IN BILATERAL ASYMMETRY OF PEDALLING POWER AND MUSCLE ACTIV-

ITY DURING 30 SECONDS ISOKINETIC SPRINT CYCLING  
Rannama, I. et al [Estonia]

PP-UD01-2-12  
THE DIFFERENCING OF STRING TENSION ON HITTING PERFORMANCE IN BAN-MINTON ATHLETE  
Vanasant, T. [Thailand]

PP-UD01-2-13  
KNEE INJURY ASSESSMENT USING SUBJECT-SPECIFIC BIOMECHANICAL MODELS OF HUMAN KNEE JOINT  
Goebel, R. et al [Qatar]

PP-UD01-2-14  
RELATIONSHIP BETWEEN MECHANICAL CHARACTERISTICS OF THE PATELLAR TENDON AND BODY SIZE IN HUMAN  
Hegyí, A. et al [Hungary]

PP-UD01-2-15  
KINETIC CHARACTERISTICS OF KICKING MOTION BETWEEN FOOTBALL PLAYERS WITH OR WITHOUT GROIN PAIN –FROM MOTION ANALYSIS OF THE KICKING LEG AND THE TRUNK DURING INSTEP KICK-  
Murakami, K. et al [Japan]

PP-UD01-2-16  
ACCURATE EVALUATION OF JOINT FORCES AND MOMENTS IN WHOLE BODY JOINTS DURING GAIT USING WEARABLE INERTIAL MOTION SENSORS AND IN-SHOE PRESSURE SENSORS  
Kim, Y.H. et al [Korea, South]

PP-UD01-2-17  
BALANCE RECOVERY AFTER RANDOM PERTURBATIONS – INTERACTION EFFECTS OF DIFFERENT STIMULUS VARIABLES  
Freyler, K. et al [Germany]

PP-UD01-2-18  
RESISTANCE TRAINING INDUCES BENEFICIAL BIOMECHANICAL ADAPTATIONS IN OLD TENDON RATS  
Marqueti-Durigan, R.C. et al [Brazil]

PP-UD01-2-19  
THE EFFECT OF LOWER EXTREMITY MASSES AND VOLUMES ON THE BALANCE PERFORMANCE OF ATHLETES  
Akil, M. et al [Turkey]

PP-UD01-2-20  
CHANGES IN ENERGY COST AND STRIDE PARAMETERS DURING A LONG DISTANCE EXERCISE IN RUNNING  
Deflandre, D. et al [Belgium]

PP-UD01-2-21  
A SCOTT BENCH WITH AN ERGONOMIC PROFILE IMPROVES POSTURE DURING ARM CURL EXERCISE  
Benvenuti, P. et al [Italy]

PP-UD01-2-22  
THE EFFECT OF SOMATOTYPE CHARACTERISTICS OF ATHLETES ON THE BALANCE PERFORMANCE  
Top, E. et al [Turkey]

PP-UD01-2-23  
BIOMECHANICAL PREDICTORS OF WRIST SHOT SUCCESS IN FLOORBALL  
Lazzeri, M. et al [Switzerland]

PP-UD01-2-24  
EFFECTS OF THE LEVEL OF MUSCLE PRE-ACTIVATION OF THE LOWER EXTREMITIES FROM DIFFERENT JUMP PATTERNS.  
Shin, J.M. et al [Korea, South]

PP-UD01-2-25  
BIOMECHANICAL EFFECTS OF ELASTIC BANDS, CHAINS AND FREE-WEIGHT RESISTANCE ON SUBMAXIMAL BACK SQUAT EXERCISE  
Mina, M.A. et al [United Kingdom]

PP-UD01-2-26  
ASSESSMENT OF ELBOW TORQUE-VELOCITY CURVE FITTING WITH DIFFERENT OPTIMIZATION CRITERIA  
Koroleova, G. et al [Bulgaria]

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PP-UD01-3-1  
THE BILATERAL DEFICIT IN VERTICAL JUMPING IS AFFECTED BY BALANCE ABILITY IN YOUNG MALE ATHLETES  
Veligeas, P. et al [Greece]

PP-UD01-3-2  
SELF-DETERMINATION IN SPORT: A STUDY OF BRAZILIAN RHYTHMIC GYMNASTICS ATHLETES  
Fontana, P.S. et al [Brazil]

PP-UD01-3-3  
INFLUENCE OF DIFFERENT STRENGTH TRAINING ON RATING OF PERCEIVED EFFORT OF RUNNING  
Storniolo Junior, J. [Italy]

PP-UD01-3-4  
QUANTIFICATION AND ANALYSIS OF OFFENSIVE SITUATIONS IN SIDED GAMES IN SOCCER  
Diaz-Cidoncha, J. et al [Switzerland]

PP-UD01-3-5  
FACTORIAL STRUCTURE OF DECISION-MAKING ABILITY IN DRIBBLING PLAYS IN BASKETBALL  
Yaita, A. et al [Japan]

PP-UD01-3-6  
DIFFERENCES IN THE LANDING POSITIONS OF REBOUND BALLS BETWEEN ONE-HANDED AND TWO-HANDED THREE-POINT SHOTS IN BASKETBALL  
Tsuayoshi, K. et al [Japan]

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A STUDY ON THE EFFECTIVENESS OF A NEW COACHING DEVICE FOR THE MOVEMENT COACHING  
Murayama, D. [Japan]

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ROLES OF GENETIC FACTORS IN ION OF THE VOLLEYBALL TALENT  
Katalin, B. [Hungary]

## PP-UD01-3-9

DEVELOPING A PSYCHOLOGICAL COACHING MODEL FOR UNIVERSITY BASEBALL ATHLETES —STRUCTURAL EQUATION MODEL WITH TEAM ADAPTATION AND MAL-ADAPTATION AS MEDIATOR VARIABLES—  
Shimizu, Y. et al [Japan]

## PP-UD01-3-10

ABILITY FOR CHANGE OF DIRECTION PERFORMANCE WITH THE REACTIVE AND DECISION-MAKING IN SOCCER PLAYERS  
Maehana, H. et al [Japan]

## PP-UD01-3-11

CORRELATION BETWEEN 400-M SPRINT PERFORMANCE AND MAXIMAL ACCUMULATED OXYGEN DEFICIT IN DIFFERENT EXERCISE MODES  
Mori, K. et al [Japan]

**Health and Fitness**

## PP-UD01-4-1

DEVELOPMENT OF HEALTH INDEX FOR SUCCESSFUL AGING IN ELDERLY PEOPLE  
Park, J. et al [Korea, South]

## PP-UD01-4-2

INFLUENCE OF SUPERVISION RATIO IN RESISTANCE TRAINING ON CYTOKINES PARAMETERS OF THE ELDERLY WOMEN.  
Vieira, D. et al [Brazil]

## PP-UD01-4-3

AFFECTIVE RESPONSE DURING A SINGLE BOUT OF HIGH-INTENSITY INTERVAL EXERCISE BETWEEN PHYSICALLY ACTIVE AND INSUFFICIENTLY ACTIVE MEN  
Costa, E. et al [Brazil]

## PP-UD01-4-4

EFFECTS OF THE "NATIONAL EXERCISE REFERRAL SCHEME" IN TAIWAN TO PROMOTE PHYSICAL ACTIVITY AND PHYSICAL FITNESS IN ADULT.  
Lin, I.C. et al [Taiwan]

## PP-UD01-4-5

THE EFFECT OF AGE AND GENDER ON PHYSICAL FITNESS IN CHILDREN  
Zenuni, Z. et al [Kosovo]

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RELATIONSHIP BETWEEN ENVIRONMENTAL FACTORS AND PHYSICAL ACTIVITY IN CHINESE OLDER ADULTS  
Tu, K. et al [Taiwan]

## PP-UD01-4-7

ATTENUATED GLUCOSE HOMEOSTASIS IN SIMVASTATIN TREATED PATIENTS MAY BE CAUSED BY DECREASED LIPID SYNTHESIS CAPACITY IN SKELETAL MUSCLE  
Vigelsø, A. et al [Denmark]

## PP-UD01-4-8

EFFECT OF MODERATE AND HIGH INTENSITY INTERMITTENDURANCE EXERCISE ON POST EXERCISE HYPOTENSION  
Gjoavaag, T. et al [Norway]

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DIFFERENCES IN QUALITY OF LIFE BETWEEN ELDERLY RESIDENTS OF RURAL AND URBAN AREAS  
Zivkovic, D. et al [Serbia]

## PP-UD01-4-10

EFFECTS OF 12 WEEKS EXERCISE ON PERIPHERAL BDNF, FGF AND IGF-1 IN OBESE ADOLESCENTS  
Kim, S. et al [Korea, South]

## PP-UD01-4-11

APPLICABILITY OF ANTHROPOMETRIC MEASURES FOR ESTIMATING WHOLE-BODY SKELETAL MUSCLE VOLUME IN CHILDREN  
Ohta, M. et al [Japan]

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FITNESS TESTS TO PREDICT FUNCTIONALITY IN OLDER ADULTS WITH AMNESTIC MILD COGNITIVE IMPAIRMENT  
Tortosa-Martinez, J. et al [Spain]

## PP-UD01-4-13

RELATIONSHIPS BETWEEN PARENTAL AWARENESS OF PHYSICAL ACTIVITY DURING THEIR CHILD'S EARLY CHILDHOOD AND MOTOR SKILLS IN LATER CHILDHOOD  
Hirano, T. et al [Japan]

## PP-UD01-4-14

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Mehrtash, S. et al [Turkey]

## PP-UD01-4-15

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Cereda, F. et al [Italy]

## PP-UD01-4-16

SLEEP TIME MEASURED BY ACTIGRAPHY IN OLDER ADULTS: A BRIEF REVIEW  
Sanchis-Soler, G. et al [Spain]

## PP-UD01-4-17

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Leite, N. et al [Brazil]

## PP-UD01-4-18

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Barka, N. et al [Hungary]

## PP-UD01-4-19

CHANGES AFTER AN 8-MONTHS SCHOOL-BASED PHYSICAL ACTIVITY INTERVENTION PROGRAM FOR OBESE CHILDREN AND ADOLESCENTS  
Martins, C. et al [Brazil]

## PP-UD01-4-20

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Lee, H. [Taiwan]

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Campos, L. et al [Brazil]

## PP-UD01-4-24

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Park, S. [Korea, South]

## PP-UD01-4-25

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Sasahara, C. et al [Japan]

## PP-UD01-4-26

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Nagyvárad, K. et al [Hungary]

## PP-UD01-4-27

THE EFFECT OF BIKE LANES DISTANCE ON BICYCLE COMMUTING ADOPTION – A LONGITUDINAL STUDY  
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## PP-UD01-4-28

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BETTER QUALITY OF LIFE.  
Bankoff, A.D.P. et al [Brazil]

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CONSCRIPTS PHYSICAL PERFORMANCE COMPARISON BEFORE AND AFTER BASIC TRAINING COURSE IN 2012 AND 2013  
Stamm, M. et al [Estonia]

## PP-UD01-4-30

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Brito, L.M.S. et al [Brazil]

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## PP-UD01-4-33

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Lee, L. [Taiwan]

## PP-UD01-4-34

BONE CHARACTERISTICS AND ANTHROPOMETRY IN HUNGARIAN MALE ELITE ATHLETES  
Szmodis, M. et al [Hungary]

## PP-UD01-4-35

POSTPRANDIAL ARTERIAL STIFFNESS IN EXERCISE-TRAINED VERSUS UNTRAINED MEN  
Kobayashi, R. et al [Japan]

## PP-UD01-4-36

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ING SIT-TO-STAND MOVEMENT IN MEN AGED 18–92 YEARS  
Nakatani, T. et al [Japan]

## PP-UD01-4-37

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Kimura, Y. [Japan]

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QATAR

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FINLAND

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## Exhibitors profiles

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SPAIN

UCAM is a private university founded in 1996 with a clear mission: to train students with knowledge and skills to serve the society, to contribute to the further expansion of human knowledge through research as an integral part of the development of man. The university of sports in Spain. More than 50 olympic players and 12 000 students at the campus.

<http://www.ucam.edu/>

### **University of Malmö**

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SWEDEN

University of Malmö, University of Lund, University of Copenhagen and City of Malmö

### **Velamed GmbH**

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GERMANY

Velamed GmbH was founded in 2005 as a medical distribution company in Cologne, Germany. As European distributor for biomechanical measuring systems the key company competence is to equip laboratories with biomechanical measurement solutions combined with qualified product and planning consultancy.

<http://www.velamed.com>

### **zebris Medical GmbH**

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GERMANY

zebris Medical GmbH is an innovative company that has been successful for many years in the development and production of 3-dimensional motion analysis and force measurement technologies for biomechanics.

<http://www.zebris.de/>





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## Wednesday 24<sup>th</sup> June 2015

Time	High Live 1	Kuben	High Live 2	High Live 3	High Live 4	Live 1	Live 2
08:30	Opening of registration						
10:00	Opening of the Exhibition						
10:00 - 11:00	Press Conference (Live 10)						
09:00 - 13:00	Satellite symposia/Workshops						
13:00 - 14:00	<b>MO-PM01</b> TRAINING & TESTING	<b>OP-PM76</b> GSSI NUTRITION AWARD	<b>OP-PM77</b> ASPETAR EXCELLENCE IN FOOTBALL AWARD	<b>OP-BN13</b> COACHING: TEAM SPORT I	<b>MO-BN01</b> MOTOR LEARNING & BIOMECHANICS	<b>MO-PM03</b> MUSCLE, MOLECULAR BIOLOGY AND BIOCHEMISTRY	<b>MO-SH01</b> SOCIAL SCIENCES AND HUMANITIES IN SPORT
14:00 - 15:00	<b>MO-PM02</b> NUTRITION, TRAINING ADAPTATION AND PERFORMANCE				<b>MO-BN03</b> KINEMATICS	<b>MO-PM05</b> OXYGEN TRANSPORT, VO <sub>2</sub> MAX AND ENERGY EXPENDITURE	<b>MO-SH06</b> PHILOSOPHY & ETHICS
15:00 - 16:30	<b>IS-PM02</b> THE BENGT SALTIN TRIBUTE SYMPOSIUM	<b>IS-PM10</b> THE ATHLETE'S BIOLOGICAL PASSPORT – WHAT'S THE STATUS? *	<b>IS-PM06</b> SKELETAL MUSCLE ADAPTATIONS TO ENDURANCE TRAINING	<b>OP-PM02</b> HEALTH, TRAINING & PERFORMANCE	<b>IS-BN04</b> QUALITY OF MOVEMENTS – MORE THAN MEETS THE EYE?	<b>IS-BN06</b> TENDON ADAPTATION	<b>IS-SH01</b> FEPSAC SYMPOSIUM - THE DEVELOPMENT OF EXPERTISE...
16.30 - 16.45	Coffee break						
16.45 - 18.00	Plenary session 1: CHANCES AND CHALLENGES FOR PHYSICAL ACTIVITY AND LEARNING - SUSTAINABLE MOVEMENTS AND MOVEMENT CULTURES (High Live 1)						
18.00 - 18.30	Award ceremony Aspetar & GSSI (High Live 1)						
18.30 - 19:30	Opening ceremony (Concert hall)						
19.30 - 20:30	Opening reception (Exhibition area)						

# Wednesday 24<sup>th</sup> June 2015

Time	Live 3	Live 4	Live 5	Live 6	Live 7	Live 8	Live 10
13:00 - 14:00	<b>MO-SH04</b> PSYCHOLOGY I	<b>MO-PM07</b> ADAPTED PHYSICAL ACTIVITY: CHALLENGES	<b>MO-BN04</b> MIXED	<b>MO-PM06</b> ADAPTED PHYSICAL ACTIVITY: SPORT & DISABILITY	<b>MO-PM11</b> HEALTH & FITNESS: AGE	<b>MO-BN06</b> COACHING: MIXED SESSION	<b>MO-SH02</b> PHYSICAL EDUCATION AND PEDAGOGICS I
14:00 - 15:00	<b>MO-SH05</b> PSYCHOLOGY II	<b>MO-PM08</b> ADAPTED PHYSICAL ACTIVITY: DISABILITIES	<b>MO-BN05</b> MOTOR LEARNING	<b>MO-PM10</b> ADAPTED PHYSICAL ACTIVITY: NUTRITION	<b>MO-PM12</b> HEALTH & FITNESS: AGEING, GEN- DER, STRENGTH	<b>MO-BN07</b> COGNITIVE IMPAIRMENTS AND FATIGUE DURING EXERCISE	<b>MO-SH03</b> PHYSICAL EDUCATION AND PEDAGOGICS II
15:00 - 16:30	<b>IS-SH02</b> ANIMALS, SPORT AND HEALTH - A SUSTAINABLE RELATIONSHIP?	<b>OP-PM05</b> MUSCLE METABOLISM & NITRATE INGESTION	<b>OP-BN01</b> NEUROMUSCULAR CONTROL	<b>OP-PM36</b> SPORTS MEDICINE & TECHNOLOGY	<b>OP-PM35</b> SPORT TECHNOLOGY: MIXED SESSION	<b>OP-SH05</b> PSYCHOLOGY (PHYSICAL EXERCISE, FOOTBALL PERFORMANCE)	<b>OP-SH01</b> SPORTS PEDAGOGY AND HISTORY

# Thursday 25<sup>th</sup> June 2015

Time	High Live 1	Kuben	High Live 2	High Live 3	High Live 4	Live 1	Live 2
08:30 - 10:00	<b>OP-PM63</b> NUTRITION: FAT, GLUCOSE AND METABOLISM	<b>OP-PM06</b> TRAINING INDUCED ADAPTATION	<b>OP-PM01</b> SPORTS MEDICINE	<b>OP-PM03</b> EXERCISE METABOLISM, MITOCHONDRIAL FUNCTION...	<b>OP-PM61</b> HEALTH & FITNESS: AGE III	<b>OP-BN14</b> COACHING: TEAM SPORT II	<b>OP-SH02</b> SPORT PSYCHOLOGY AND MOTOR/ COGNITIVE FUNCTION
10:00 - 10:20	Coffee break						
10:20 - 11:50	<b>IS-PM12</b> THE IMPACT OF PHYSICAL ACTIVITY ON CARDIOVASCULAR... *	<b>IS-PM01</b> SPORTS NUTRITION EXCHANGE SPONSORED BY GSSI	<b>OP-PM07</b> CARBOHYDRATE AND PERFORMANCE	<b>OP-PM04</b> ADAPTATION AND MOVEMENT ANALYSIS	<b>IS-BN10</b> LATERALITY IN LOCOMOTION AND SPORT SPONSORED BY ADIDAS	<b>IS-BN09</b> RATE OF FORCE DEVELOPMENT: NEW IDEAS ON MEASUREMENT...	<b>IS-SH06</b> SPORT AND PHYSICAL ACTIVITY IN LATER LIFE
11:50 - 12:00	Break						
12:00 - 13:15	Plenary session 2: FROM THE CRADLE TO THE GRAVE - SPORT AND PHYSICAL ACTIVITY FOR A SUSTAINABLE BODY (High Live 1)						
13:15 - 14:00	Lunch break						
14:00 - 15:00	<b>MO-PM13</b> HEALTH & FITNESS: LIFESTYLE	<b>MO-PM15</b> HEALTH & FITNESS: MIXED SESSION	<b>MO-PM17</b> PHYSIOLOGY: ENDURANCE	<b>MO-PM19</b> PHYSIOLOGY: THERMOREGULATION, FATIGUE	<b>MO-PM21</b> PHYSIOLOGY: ENERGY METABOLISM	<b>MO-PM23</b> PHYSIOLOGY: MIXED SESSION	<b>MO-SH12</b> SOCIAL SCIENCE AND SPORT
15:00 - 16:00	<b>MO-PM14</b> HEALTH & FITNESS: CHILDREN, TEAM SPORTS	<b>MO-PM16</b> PHYSIOLOGY: STRENGTH	<b>MO-PM18</b> PHYSIOLOGY: MIXED SESSION I	<b>MO-PM20</b> PHYSIOLOGY: MUSCLE DAMAGE, HYPOXIA	<b>MO-PM22</b> PHYSIOLOGY: CARDIOVASCULAR PHYSIOLOGY	<b>MO-PM24</b> PHYSIOLOGY: MIXED SESSION	<b>MO-SH13</b> SOCIOLOGY/SPORT MANAGEMENT II
16:00 - 16:20	Coffee break						
16:20 - 17:50	<b>IS-PM09</b> PERFORMANCE AND TRAINING OF THE TOP-ATHLETE *	<b>IS-PM13</b> SKELETAL MUSCLE LIPOTOXICITY; SHOULD WE BE INTERESTED?	<b>OP-BN16</b> COACHING: MIXED SESSION II	<b>OP-PM13</b> PHYSIOLOGY: ENDURANCE	<b>IS-BN05</b> PERFORMING WHEN GETTING OLDER	<b>IS-BN07</b> INTEGRATIVE APPROACH. SPONSORED BY THE PHYSIOL. SOCIETY	<b>IS-SH10</b> URBAN SPORT LANDSCAPES
17:50 - 18:00	Break						
18:00 - 19:30	<b>OP-PM64</b> NUTRITION: AMINO ACIDS AND PROTEINS	<b>OP-PM30</b> SPORTS MEDICINE & ORTHOPEDICS: PHYSIOTHERAPY I	<b>OP-PM10</b> PHYSIOLOGY: AGE II	<b>OP-PM14</b> PHYSIOLOGY: INTERVAL TRAINING	<b>OP-PM68</b> ADAPTED PHYSICAL ACTIVITY: PHYSICAL DISABILITIES	<b>OP-PM56</b> HEALTH & FITNESS: ENDURANCE	<b>OP-SH23</b> SOCIOLOGY/SPORT MANAGEMENT

# Thursday 25<sup>th</sup> June 2015

Time	Live 3	Live 4	Live 5	Live 6	Live 7	Live 8	Live 10
08:30 - 10:00	<b>OP-SH03</b> SPORT MANAGEMENT (SUSTAINABILITY AND SPORT EVENTS)	<b>OP-PM19</b> PHYSIOLOGY: FATIGUE, MUSCLE DAMAGE & REPAIR	<b>POLAR SYMPOSIUM</b> ON HEART RATE VARIABILITY SPONSORED WORKSHOP	<b>OP-PM11</b> THERMOREGULATION I	<b>OP-PM26</b> PHYSIOLOGY: BRAIN	<b>OP-BN12</b> MUSCULOSKELETAL & FATIGUE	<b>OP-SH04</b> PHYSICAL EDUCATION & PEDAGOGICS (CHILDREN IN SPORT)
10:20 - 11:50	<b>IS-SH05</b> GOOD GOVERNANCE IN SPORTS	<b>OP-PM20</b> PHYSIOLOGY: MUSCLE METABOLISM, INTERVAL TRAINING	<b>OP-BN02</b> MOTOR LEARNING	<b>OP-PM12</b> THERMOREGULATION II	<b>OP-PM49</b> TRAINING & TESTING: AGE & CLINICAL	<b>OP-BN03</b> SWIMMING, JUMPING & SQUATTING, COORDINATION	<b>OP-SH15</b> PHYSICAL EDUCATION & PEDAGOGICS I
14:00 - 15:00	<b>MO-SH07</b> SPORT MANAGEMENT	<b>MO-PM25</b> REHABILITATION AND PHYSIOTHERAPY	<b>MO-PM27</b> SPORTS MEDICINE AND ORTHOPEDICS: ORTHOPEDICS	<b>MO-PM45</b> REAL LIFE THREATS TO SPORT PERFORMANCE	<b>MO-PM31</b> MOLECULAR BIOLOGY AND BIO-CHEMISTRY	<b>MO-PM33</b> NEUROMUSCULAR PHYSIOLOGY: FATIGUE	<b>MO-SH10</b> SPORTS STATISTICS & ANALYSIS I
15:00 - 16:00	<b>MO-SH08</b> SOCIOLOGY/SPORT MANAGEMENT I	<b>MO-PM26</b> REHABILITATION AND PHYSIOTHERAPY: ORTHOPEDIC ...	<b>MO-PM28</b> SPORTS MEDICINE AND ORTHOPEDICS: MIXED SESSION I	<b>MO-PM30</b> SPORTS MEDICINE AND ORTHOPEDICS: GENDER	<b>MO-PM32</b> SPORT TECHNOLOGY	<b>MO-PM34</b> NEUROMUSCULAR PHYSIOLOGY: COORDINATION	<b>MO-SH11</b> SPORTS STATISTICS & ANALYSIS II
16:20 - 17:50	<b>IS-SH08</b> CHILDRENS RIGHTS IN SPORT	<b>OP-PM21</b> PHYSIOLOGY: RESPIRATION	<b>OP-BN04</b> RUNNING	<b>OP-PM40</b> TRAINING & TESTING: STRENGTH I	<b>OP-PM54</b> HEALTH & FITNESS: LIFESTYLE III	<b>OP-SH06</b> PSYCHOLOGY (SELF-DETERMINATION)	<b>OP-SH22</b> SOCIOLOGY (SPORT SCIENCE IN ECSS)
18:00 - 19:30	<b>OP-SH16</b> PHYSICAL EDUCATION & PEDAGOGICS II	<b>OP-PM22</b> PHYSIOLOGY: VASCULAR BIOLOGY	<b>SPORTS NUTRITION</b> SPECIAL INTEREST GROUP HOSTED BY GSSI	<b>OP-PM41</b> TRAINING & TESTING: STRENGTH II	<b>OP-PM24</b> PHYSIOLOGY: HORMONAL BIOLOGY & GENDER	<b>OP-BN11</b> SKILL ACQUISITION	<b>OP-SH12</b> SPORTS HISTORY

# Friday 26<sup>th</sup> June 2015

Time	High Live 1	Kuben	High Live 2	High Live 3	High Live 4	Live 1	Live 2
08:30 - 10:00	<b>OP-PM65</b> NUTRITION: HYDRATION	<b>OP-PM31</b> SPORTS MEDICINE & ORTHOPEDICS: PHYSIOTHERAPY II	<b>OP-PM27</b> SPORTS MEDICINE & ORTHOPEDICS: ORTHOPEDICS I	<b>OP-PM15</b> PHYSIOLOGY: HYPOXIA	<b>OP-PM69</b> ADAPTED PHYSICAL ACTIVITY: MENTAL DISABILITIES	<b>OP-PM74</b> MOLECULAR BIOLOGY AND BIO- CHEMISTRY: FATIGUE	<b>OP-SH13</b> SOCIOLOGY/PSYCHOLOGY (TALENT IDENTIFICATION)
10:00 - 10:20	Coffee break						
10:20 - 11:50	<b>IS-PM11</b> ECSS - ACSM EXCHANGE SYMPOSIUM	<b>IS-PM04</b> EFFECTS OF EXERCISE ON BRAIN FUNCTION...	<b>IS-PM03</b> FEMALE SEX HORMONES AND SKELETAL MUSCLE *	<b>OP-PM16</b> PHYSIOLOGY: FATIGUE	<b>IS-BN02</b> SPORT EXPERTISE: PUTTING BRAIN, BODY...	<b>IS-BN03</b> THE WORKPLACE AS ARENA FOR HEALTH ENHANCING...	<b>IS-SH04</b> RELATIVE AGE EFFECTS IN YOUTH SPORT: INSIGHTS FROM...
11:50 - 12:00	Break						
12:00 - 13:15	Plenary session 3: EXERCISE, ENERGY INTAKE, BRAIN HEALTH AND WELL BEING (High Live 1)						
13:15 - 14:00	Lunch break						
14:00 - 15:00	Visit the exhibition						
15:00 - 16:00	<b>MO-PM37</b> TRAINING AND TESTING: FATIGUE AND NEUROMUSCULAR...	<b>MO-PM35</b> TRAINING AND TESTING: STRENGTH	<b>MO-PM38</b> TRAINING AND TESTING: TEAM SPORTS I	<b>MO-PM39</b> TRAINING AND TESTING: TEAM SPORTS II	<b>MO-PM40</b> TRAINING AND TESTING: ENDU- RANCE	<b>MO-PM41</b> TRAINING AND TESTING: ENDU- RANCE & CLINICAL	<b>MO-PM42</b> TRAINING AND TESTING: INTERVAL TRAINING, TIME TRIAL
16:00 - 16:20	Coffee break						
16:20 - 17:50	<b>IS-PM08</b> TEAM SPORT & HEALTH *	<b>OP-PM17</b> PHYSIOLOGY: CARDIOVASCULAR II	<b>IS-PM16</b> JSPFSM-RISK FACTORS AND BIO- MARKERS OF REDUCED...	<b>OP-PM43</b> TRAINING & TESTING: TEAMSPORT I	<b>OP-PM59</b> HEALTH & FITNESS: AGE I	<b>IS-PM17</b> CSSS-ECSS EXCHANGE SYMPOSI- UM: PHYSICAL ACTIVITY...	<b>IS-SH03</b> INTERNET OF SPORTS: AUGMEN- TING SPORTS TECHNOLOGY...
17:50 - 18:00	Break						
18:00 - 19:30	<b>OP-PM66</b> NUTRITION: CLINICAL	<b>OP-PM18</b> PHYSIOLOGY: CARDIOVASCULAR I + ESSA-ECSS EXCHANGE	<b>OP-PM28</b> SPORTS MEDICINE & ORTHOPEDICS: ORTHOPEDICS II	<b>OP-PM44</b> TRAINING & TESTING: TEAMSPORT II	<b>OP-PM60</b> HEALTH & FITNESS: AGE II	<b>OP-PM57</b> HEALTH & FITNESS: CHILDREN I	<b>OP-SH08</b> PSYCHOLOGY (CHALLENGES WITHIN SPORT PSYCHOLOGY II)

# Friday 26<sup>th</sup> June 2015

Time	Live 3	Live 4	Live 5	Live 6	Live 7	Live 8	Live 10
08:30 - 10:00	<b>OP-SH14</b> SOCIOLOGY: SPORT MEDIA	<b>OP-PM37</b> TRAINING & TESTING: ENDURANCE I	<b>OP-BN05</b> KINEMATICS	<b>Elite Sport</b> SPECIAL INTEREST GROUP	<b>Environmental Physiology</b> SPECIAL INTEREST GROUP	<b>OP-BN08</b> BALANCE & STABILITY, COORDINATION	<b>OP-SH17</b> PHYSICAL EDUCATION & PEDAGOGICS III
10:20 - 11:50	<b>IS-SH09</b> SPORTS LABOUR MOBILITY AND THE POLITICS OF PRECARIETY	<b>OP-PM38</b> TRAINING & TESTING: ENDURANCE II	<b>OP-PM70</b> MOLECULAR BIOLOGY AND BIOCHEMISTRY: EPIGENETICS	<b>OP-PM42</b> TRAINING & TESTING: STRENGTH III	<b>OP-PM23</b> PHYSIOLOGY: ENERGY METABOLISM	<b>OP-BN10</b> MOTOR LEARNING, COORDINATION	<b>OP-SH18</b> SPORT PARTICIPATION, DEVELOPMENT AND EXERCISE
15:00 - 16:00	<b>MO-SH09</b> PSYCHOLOGY III	<b>MO-PM43</b> TRAINING AND TESTING: COORDINATION & AGILITY	<b>MO-PM44</b> TRAINING AND TESTING: MIXED	<b>MO-PM29</b> SPORTS MEDICINE AND ORTHOPEDICS: MIXED SESSION II	<b>MO-PM36</b> TRAINING AND TESTING: STRENGTH AND NEUROMUSCULAR...	<b>MO-BN02</b> COACHING	<b>MO-SH14</b> SPORTS STATISTICS & ANALYSIS III
16:20 - 17:50	<b>IS-SH11</b> SPORT FOR DEVELOPMENT AND PEACE: CRITICAL PERSPECTIVES	<b>OP-PM39</b> TRAINING & TESTING: ENDURANCE III	<b>OP-PM71</b> MOLECULAR BIOLOGY AND BIOCHEMISTRY: METABOLISM	<b>OP-PM33</b> SPORTS MEDICINE & ORTHOPEDICS: INJURY PREVENTION I	<b>OP-PM48</b> TRAINING & TESTING: AGILITY	<b>OP-SH07</b> PSYCHOLOGY (MENTAL HEALTH AND STRESS)	<b>OP-SH19</b> PHILOSOPHY & ETHICS I
18:00 - 19:30	<b>OP-SH21</b> SOCIOLOGY	<b>OP-PM62</b> HEALTH & FITNESS: MIXED	<b>OP-PM72</b> MOLECULAR BIOLOGY AND BIOCHEMISTRY: GENE EXPRESSION...	<b>OP-PM34</b> SPORTS MEDICINE & ORTHOPEDICS: INJURY PREVENTION II	<b>OP-PM51</b> TRAINING & TESTING: COORDINATION	<b>OP-BN06</b> MUSCLE FUNCTION	<b>OP-SH20</b> PHILOSOPHY & ETHICS II



# Saturday 27<sup>th</sup> June 2015

Time	High Live 1	Kuben	High Live 2	High Live 3	High Live 4	Live 1	Live 2
08:30 - 10:00		<b>OP-PM32</b> SPORTS MEDICINE & ORTHOPEDICS: PHYSIOTHERAPY III	<b>OP-PM29</b> SPORTS MEDICINE & ORTHOPEDICS: EXERCISE THERAPY, EPIDEMIOLOGY		<b>OP-PM45</b> TRAINING & TESTING: TEAMSPORT III	<b>OP-PM58</b> HEALTH & FITNESS: CHILDREN II	<b>OP-SH11</b> SPORT STATISTICS & ANALYSIS
10:00 - 10:20	Coffee break						
10:20 - 11:50	<b>IS-PM05</b> ROLE OF GLYCOGEN IN SKELETAL MUSCLE REGULATION...	<b>IS-PM14</b> EFFECT OF SCHOOL BASED PHYSI- CAL ACTIVITY INTERVENTIONS	<b>IS-PM07</b> LIFELONG ENDURANCE TRAINING. IN HONOUR OF BENGT SALTIN *	<b>IS-PM15</b> RECENT DEVELOPMENTS... SPONSORED BY ASPETAR	<b>IS-BN08</b> MENTAL AND COGNITIVE TRAINING	<b>IS-BN01</b> DIGITAL SUPPORT SYSTEMS IN RECREATIONAL AND ELITE SPORTS	<b>IS-SH07</b> LARS MAGNUS ENGSTRÖM MEMO- RIAL SESSION
11:50 - 12:00	Break						
12:00 - 13:15	Plenary session 4: INACTIVITY AND THE AGEING POPULATION (High Live 1)						
13:15 - 14:00	Lunch break						
14:00 - 15:00	Young Investigators Award - Presentations (High Live 1)						
15:15 - 15:45	Presidential Lecture (High Live 1)						
15:45 - 16:00	Break						
16:00 - 16:30	Young Investigators Award - Award Ceremony (High Live 1)						
16:30 - 17:30	Closing ceremony (High Live 1)						
19.30 - 03:00	ECSS Congress Party (Moriska Paviljongen - Folkets Park)						

# Saturday 27<sup>th</sup> June 2015

Time	Live 3	Live 4	Live 5	Live 6	Live 7	Live 8	Live 10
08:30 - 10:00	<b>OP-SH09</b> PSYCHOLOGY (CHALLENGES WITHIN SPORT PSYCHOLOGY II)	<b>OP-PM46</b> TRAINING & TESTING: FATIGUE I	<b>OP-PM73</b> MOLECULAR BIOLOGY AND BIO-CHEMISTRY: AGE	<b>OP-PM52</b> HEALTH & FITNESS: LIFESTYLE I	<b>OP-PM25</b> PHYSIOLOGY: MIXED SESSION	<b>OP-BN07</b> GENDER II	<b>OP-SH24</b> SOCIOLOGY (SPORT AND GENDER)
10:20 - 11:50	<b>OP-SH10</b> PSYCHOLOGY (TRAINING AND EXERCISE)	<b>OP-PM47</b> TRAINING & TESTING: FATIGUE II	<b>OP-PM75</b> MOLECULAR BIOLOGY AND BIO-CHEMISTRY	<b>OP-PM53</b> HEALTH & FITNESS: LIFESTYLE II	<b>OP-PM55</b> HEALTH & FITNESS: OBESITY	<b>OP-BN09</b> BIOMECHANICS MIXED SESSION	<b>OP-SH25</b> SOCIOLOGY (SPORT AND GENDER)

## Parallel programme

### Satellites

**Sport Nutrition Exchange: Insights into the Measurement and Manipulation of Metabolism in Athletes – hosted by GSSI**

Wednesday, 24<sup>th</sup> June 2015  
09:00 – 12:30  
Lecture room: Kuben

**Sustainable Physical Education for a Sustainable Society**

Wednesday, 24<sup>th</sup> June 2015  
10:00 – 12:00  
Lecture room: Live 5

**Internet of Sports – on the definition of an international research agenda**

Wednesday, 24<sup>th</sup> June 2015  
10:00 – 12:00  
Lecture room: Live 6

**VO2max, the gold standard for health performance assessment in both laboratory-based and field-based testing – hosted by COSMED**

Wednesday, 24<sup>th</sup> June 2015  
09:00 – 12:00  
Lecture room: High Live 3

### ECSS Workshops (EWSS)

**EWSS – Spreadsheets for Research Design and Analysis**

Wednesday, 24<sup>th</sup> June 2015  
08:30 – 10:30  
Lecture room: Live 4

### Sponsored Workshops

**Polar symposium on heart rate variability – hosted by Polar**

Thursday, 25<sup>th</sup> June 2015  
08:30 – 10:00  
Lecture room: Live 5

**How to make objective decisions based on GRF measurement to monitor and adjust training that help athletes to develop at an optimal level – hosted by Kistler Instrumente AG**

Wednesday, 24<sup>th</sup> June 2015  
08:30 – 10:00  
Lecture room: Live 2

### Awards

**GSSI Nutrition Award**

Finalists' Presentations  
Wednesday, 24<sup>th</sup> June 2015  
13:00 - 15:00  
Lecture room: Kuben

**Aspetar Excellence in Football Award**

Finalists' Presentations  
Wednesday, 24<sup>th</sup> June 2015  
13:00 - 15:00  
Lecture room: High Live 2

### Special Interest Groups (SIG)

**Sports Nutrition**

Thursday, 25<sup>th</sup> June 2015  
18:00 – 19:30  
Lecture room: Live 5

**Environmental Physiology**

Friday, 26<sup>th</sup> June 2015  
08:30 – 10:00  
Lecture room: Live 7

**Elite Sport Performance**

Friday, 26<sup>th</sup> June 2015  
08:30 – 10:00  
Lecture room: Live 6

### ECSS General Assembly

**ECSS General Assembly**

Wednesday, 24<sup>th</sup> June 2015  
11:00 – 12:00  
Lecture room: Live 3