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# ECSS Young Investigators Award 2015

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Malmö July 09, 2015: At ECSS Malmö 2015 outstanding research was presented by young upcoming scientists in diverse sports science disciplines.

One of the key objectives of the ECSS is the promotion of junior scientists and the fostering of state-of-art research. For this purpose the ECSS established the ECSS Young Investigators Award (YIA). The YIA has always been the highlight of the annual ECSS congress and this year was not an exception. This year ECSS received 355 applications for YIA competition, from those 114 entered the final round of the competition. 10 best finalists were awarded in two categories; Oral presentations and Mini-Oral presentations.

## Mini-Oral presentations

A two minute power point presentation is followed by two minutes of questions and answers. The winner will get the chance to present his/her research in the Exercise & Sport Science Australia congress in 2016 as ECSS – ESSA exchange delegate.

1st Tetsuhiro Kidokoro, Tokyo Gakugei University, Japan. Associations between various intensities of physical activity and physical fitness in adolescents

2nd Florian Rieder, University of Salzburg, Austria. Mechanical and Morphological Properties of the Human Quadriceps Muscle-Tendon Unit After Whole-Body Vibration Training

3rd Jakob Kümmel, University of Konstanz, Germany. Postactivation Potentiation Induced by Reactive Jumps Counteracts Stretch-Induced Muscle Twitch Declines in the Triceps Surae Muscle

4th Jorn Trommelen, Maastricht University, the Netherlands. Combined ingestion of glucose and fructose does not further accelerate post-exercise muscle glycogen repletion in trained cyclists

5th Alison Attenborough, University of Sydney, Australia. Risk Factors for Ankle Sprains Sustained During Netball Participation

5th Thomas Clifford, Northumbria University, United Kingdom. The influence of beetroot juice on recovery from a single bout of strenuous exercise

5th Gro Jordalen, Norwegian School of Sport Sciences, Norway. Development of Excellence in Young Norwegian Athletes – The Importance of Self-Determined Motivation and Self-Regulatory Competencies

5th Benjamin Pageaux, Université de Bourgogne, France. Is Perception of Effort Impacted by Electromyostimulation During Muscle Contraction?

5th Ana Sousa, University of Porto, Portugal. Is the Vo<sub>2</sub>max Intensity an Effective Stimulus for the 2000m Rowing Race?

5th Shuge Zhang, Hong Kong Baptist University, Hong Kong. The Mediation Role of Barrier Efficacy within Task Efficacy-Physical Activity and Enjoyment-Physical Activity Relationship

### **Oral presentations**

A ten minute Oral presentation is followed by 5 minutes of questions and answers. Four finalists have been selected to present their work in front of the ECSS scientific committee and the ECSS scientific board in the last day of the congress. The research and presentations were evaluated again and the ranking determined. In addition the top 3 were nominated to be ECSS exchange delegates for JSPFSM 2015 in Wakayama, Japan.

1st Martin Keller, University of Fribourg, Switzerland. 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

2nd Daniel Owens, Liverpool John Moores University, United Kingdom. Vitamin D and Skeletal Muscle Remodeling: A Systems Approach

3rd Christian Thue Bjørndal, Norwegian School of Sport Sciences, Norway. Talent development as an ecology of games – a case study of Norwegian handball

4th Jessica D'amico. Neuroscience Research Australia, Australia. Activation of 5HT<sub>1A</sub> Receptors: A Plausible Contributor to Central Fatigue?

5th Erica Buckeridge, University of Calgary, Canada. Classification of Ice Hockey Skill Level Based on Principal Muscle Recruitment Strategies

5th Christopher Gaffney, University of Nottingham, United Kingdom. Chronic Non-Steroidal Anti-Inflammatory Drug Ingestion Blunts Increases in Muscle Mitochondrial Function During Resistance Exercise Training in Humans

5th Jill Leckey, Australian Catholic University, Australia. Carbohydrate dependence during half-marathon running

5th Lisa Müller, University of Innsbruck, Austria. The influence of anthropometric and maturational characteristics on the relative age effect in alpine ski racing

5th Scott Robinson, University of Birmingham, United Kingdom. Maximal Fat Oxidation during Exercise is Positively Associated with 24-hour Fat Oxidation and Insulin Sensitivity in Young, Healthy Men

5th Daniel Svensson, KTH Royal Institute of Technology, Sweden. Skiing and Science: Practice, Theory and Co-Production of Training Knowledge in Cross-Country Skiing Since the 1950s

Congratulations to all winners! Please check images from ECSS Malmö 2015 here and watch the session recordings through ECSS.tv.

Thank you all for the successful Malmö congress and see you all next year in Vienna! — ECSS

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