

# PRELIMINARY PROGRAM OF ORAL FREE PRESENTATIONS

**Wednesday 11<sup>th</sup>**

## Oral Presentation 1

**Session: Motor development in relation to perceived motor competence**

**Time: 16.20-17.20**

**Room: Auditorium**

Chairs: L BARNETT + P. TORTELLA

1) # 652 What factors are associated with young children's perceived motor competence profiles? Niemistö, Donna (1), Barnett, Lisa M. (2), Cantell, Marja (3), Finni, Taija (1), Korhonen, Elisa (1), Sääkslahti, Arja (1)

(1) Faculty of Sport and Health Sciences, University of Jyväskylä, Finland; (2) Institute for Physical Activity and Nutrition, School of Health and Social Development, Deakin University, Burwood, Australia; (3) Faculty of Behavioural and Social Sciences, University of Groningen, the Netherlands

2) # 660 A longitudinal examination of the accuracy of perceived physical competence in middle childhood

Field, Stephanie C. (1), Crane, Jeff R. (2), Naylor, Patti-Jean (1), Temple, Vivienne A. (1)

(1) School of Exercise Science, Physical and Health Education, University of Victoria, Canada; (2) School of Human Kinetics and Recreation, Memorial University of Newfoundland, Canada

3) # 701 Relationship and difference between actual and perceived water competence by the child and its parents

van der Linden, Eline, Buelens, Lise, Stainier, Julie, D'Hondt, Eva, De Martelaer, Kristine  
Departement of Movement and Sports Sciences, Vrije Universiteit Brussel, Belgium |

4) # 702 Trends in the evolution of children's actual motor competence and its association with the perception of children's motor competence (by the child, parent or teacher): a three-year follow-up study

Isaac Estevan(1), Javier Molina-García(1), Steven J. Bove(2)(3), & Lisa M. Barnett(3)(4)

(1) AFIPS Research Group. Department of Teaching of Music, Visual and Corporal Expression. University of Valencia, Spain; (2) Deakin Biostatistics Unit. Faculty of Health, Deakin University, Australia; (3) School of Health and Social Development, Deakin University, Australia; (4) IPAN, Institute of Physical Activity and Nutrition, School of Health and Social Development. Deakin University, Australia.

5) # 750 Associations between parental reports and actual basic motor competencies of primary school children

Ennigkeit, Fabienne (1), Czogalla, Jasmin (1, 2), Heim, Christopher (1), Herrmann, Christian (3)

(1) Institute for Sports Sciences, Goethe University Frankfurt, Germany; (2) Sportkreis Frankfurt; (3) Department of Sport, Exercise and Health, University of Basel, Switzerland

## Oral Presentation 2

**Session: Assessments and evaluations of motor competences**

**Time: 16.20-17.20**

**Room: Sala Convegni**

Chairs: E. GERLACH + M. FIKUS

1) # 633 The KTK-3BS test for motor competence from 6 to 19 years: reference values and validation

Laureys, Felien, Coppens, Eline, Mostaert, Mireille, Deconinck, Frederik, Lenoir, Matthieu  
Department of Movement and Sport Sciences, Ghent University, Ghent, Belgium

2) # 757 Motor competencies assessment of primary school children with the mobak 3-4 protocol. preliminary study

Dario Colella, Cristina d'Arando, Maddalena Bonasia, Domenico Monacis, Cristiana Simonetti  
Department of clinical and experimental medicine, University of Foggia, Foggia.

3) # 675 Quantitative assessment of the development of kicking skill in children

Matteo Valeri, Caterina Pesce, Giuseppe Vannozzi  
University of Rome "Foro Italico", Italy

4) # 712 Evaluation of basic motor competencies in primary school in Luxembourg

Scheuer, C. (1), Bund, A. (1), Heck, S. (1), Herrmann, C. (2)  
(1) Institute for Applied Educational Sciences, University of Luxembourg, Luxembourg; (2) Department for Sport, Movement and Health, University of Basel, Switzerland

5) # 734 Gross motor skills in relation to age and BMI: A cross-sectional study

Magistro, D. (1), Carlevaro, F. (2), Piumatti, G. (3), Magno, F. (2) (4), Bardaglio, G. (4), Simon, M. (2), Musella, G. (2) (4)  
(1) Department of Sport Science, School of Science and Technology, Nottingham Trent University, UK; (2) Polo Universitario Asti Studi Superiori (Uni-Astiss), Italy; (3) Unit of Development and Research in Medical Education (UDREM), Medical School(CMU), University of Geneva, CH, (4) University of Torino, Italy

## Oral Presentation 3

**Session: Motor control in special populations**

**Time: 16.20-17.20**

**Room: Sala Multifunzionale**

Chairs: A. CARRARO + E. MAZZOLI

1) #603 Cognitive-motor dual task ability in children with motor (DCD) or cognitive impairment (Down Syndrome).

Schott Nadja, Klotzbier Thomas, Bühler Katharina  
Department of Sport & Exercise Science, University of Stuttgart, Germany

2) # 612 fNIRS activation during a cooperative building game in children with and without Autism Spectrum Disorder (ASD)

Anjana Bhat  
University of Delaware, USA

3) #637 Study on the relationship between social skills and motor skills in children with developmental coordination disorder

AiMin Liang, YanJie Chen  
National Children's Medical Center Beijing Children's Hospital, Beijing, China

4) # 674 Association of independent walking and balance in children with CHARGE Syndrome

Pamela Haibach-Beach<sup>1</sup>, Melanie Perreault<sup>1</sup>, Elizabeth Foster<sup>2</sup>,  
(1) Department of Kinesiology, Sport Studies, & Physical Education, State University of New York, College at Brockport, USA; (2) Department of Kinesiology and Health Promotion, California State Polytechnic University, USA

5) # 678 Developmental motor coordination disorder: why concern about left-handedness?

Paula Rodrigues<sup>1,2</sup>, Ana Moreira<sup>1</sup>, Ana Matias<sup>3</sup>, Bárbara Vasconcelos<sup>1</sup>, Olga Vasconcelos<sup>1</sup>,  
(1) Laboratório de Aprendizagem e Controlo Motor, CIFI2D, Faculdade de Desporto da Universidade do Porto, Portugal;  
(2) Laboratório de Cognição e Aprendizagem, RECI, Instituto Superior de Estudos Interculturais e Transdisciplinares de Almada, Instituto Piaget, Portugal; (3) Departamento de Desporto e saúde, Escola de Ciências e Tecnologia, Universidade Évora, Portugal

# Thursday 12<sup>th</sup>

## Oral Presentation 4

**Session: Cognition and PE**

**Date:** 11.00-12.00

**Room: Auditorium**

Chair(s) N GETCHEL + I. DECIMO

1) # 602 The effect of visual impairment on kinesthetic motor imagery in children and adolescents

Schott, Nadja (1) Beach, Pamela (2) Knoepfle, Insa (1), Neuberger, Verena (1)  
(1) Department of Sport & Exercise Science, University of Stuttgart, Germany, (2) Department of Kinesiology, Sport Studies, and Physical Education, The College at Brockport, State University of New York, USA|

2) # 739 Development of speed perception in the optic flow field

Stefania Rasulo, Audrey van der Meer, Ruud van der Weel  
Department of Psychology, Norwegian University of Science and Technology, Trondheim, Norway |

3) # 753 Moving hands, running feet: the motor side of cognitive control in childhood

Girelli Luisa (1), Ciufoletti Roberto(2), Conti Stelio (2), Rinaldi Luca (1)  
(1) Department of Psychology, University of Milano-Bicocca, Italy; (2) OPES, Organizzazione per l'Educazione e lo Sport, Rome, Italy

4) # 649 Cognitive planning and motor performance in children with and without developmental coordination disorder

Koutsouki Dimitra, Asonitou Katerina, Charitou, Sophia  
Laboratory of Adapted Physical Activity/ Developmental & Physical Disabilities, School of Physical Education & Sport Science, National and Kapodistrian University of Athens, Greece

5) # 714 Physical education and subsequent on-task behaviour in the primary school classroom

Heemskerk Christina H  
Department of Education, University of Oxford, United Kingdom

## Oral Presentation 5

**Session: Cognitive development and academic achievement in relation to motor skill**

**Date:** 11.00-12.00

**Room: Sala Convegni**

Chair(s) A BRIAN + C. PESCE

1) # 670 Investigating the connection between physical fitness and sensorimotor-enriched vocabulary learning in twelve- and fourteen-year-old schoolchildren

Christian Andrä, Mathias, Brian, Schwager, Anika, Fischer, Mathias, Macedonia, Manuela, Müller, Christina, von Kriegstein, Katharina  
University of Leipzig, Technical University Dresden, Max Planck Institute Human Cognitive and Brain Science Leipzig, University of Linz

2) # 691 Motor Skill Proficiency and School Readiness Indicators in Preschool Children

Tepfer, Amanda (1), Baert, Helena (1), MacDonald, Megan (2)  
(1) Physical Education Department, State University of New York, Cortland, USA; (2) Oregon State University, Corvallis, USA

3) # 711 Hop.Skip.Jump.Read: Exploring a Potential Cause and Effect Relationship Between Locomotor Skill Proficiency and Reading Automaticity

McGann, Jamie, Issartel, Johann, Belton, Sarahjane  
School of Health and Human Performance, Dublin City University, Ireland

4) # 741 Effects of joint physical and curricula school activities among primary school children on cognition and motor skills: A randomized controlled study

Francesca Magno, University of Torino, Italy  
Magno, F. (1) (2), Carlevaro, F. (1), Magistro, D. (3), Bardaglio, G. (2), Piumatti, G. (4), Simon, M. (1), Musella, G. (1) (2)

(1) Polo Universitario Asti Studi Superiori (Uni-Astiss), Asti, Italy; (2) University of Torino, Italy; (3) Department of Sport Science, School of Science and Technology, Nottingham Trent University, UK; (4) Unit of Development and Research in Medical Education (UDREM), Medical School(CMU), University of Geneva,CH

**5) # 745 The effects of an integrated early literacy and motor skill intervention on children's alphabet knowledge, initial sound awareness, and fundamental motor skill outcomes**

Tricia L. Biancone, Jacqueline D Goodway

Department of Human Sciences, College of Education and Human Ecology, The Ohio State University, Columbus, OH USA

## Oral Presentation 6

**Session: Intervention**

**Date:** 11.00-12.00

**Room:** Sala Multifunzionale

Chairs: B JIDOVITSEFF + F. SGRO'

**1) # 628 Long-term effectiveness of a fundamental movement skill intervention in Belgian children: A 6 year follow-up**

Coppens, Eline (1,2), Bardid, Farid (3), D'Hondt, Eva (2), Lenoir, Matthieu (1)

(1) Department of Movement and Sports Sciences, Ghent University, Ghent, Belgium; (2) Department of Movement and Sports Sciences, Vrije Universiteit Brussel, Brussels, Belgium; (3) School of Education, University of Strathclyde, Glasgow, United Kingdom Eline Coppens, Belgium

**2) # 653 Disentangling physical activity and sedentary behavior patterns in children with low motor competence**

Dave Van Kann, Aniek Adank, Martin van Dijk, Steven Vos

School of Sport Studies, Fontys University of Applied Sciences, Eindhoven, The Netherlands; Department of Health Promotion, Maastricht University, Maastricht, The Netherlands; Department of Industrial Design, Eindhoven University of Technology, Eindhoven, The Netherlands

**3) # 650 The effects of exergames in school academic performance fundamental education in neuropsychopedagogical perspective**

Aline Cabreira Pinheiro, Deizeane da Costa Abreu, Celonice Teresinha Fernandes, Austrogildo Hardmam Júnior, Fabrício Bruno Cardoso

Faculdade CENSUPEG, Brazil

**4) # 665 The rationale and effectiveness of Project FLAME: A multi-component, school-based motor competence intervention for adolescent youth in Ireland**

Lester, Diarmuid (1), Belton, Sarahjane (2), O' Brien, Wesley (1)

(1) School of Education, Sports Studies and Physical Education, University College Cork, 2 Lucan Place, Western Road, Cork, Ireland. (2) School of Health and Human Performance, Dublin City University, Dublin 9, Ireland

**5) The "Moving and Learning Outside" project: promoting the practice of outdoor education in preschools**

Rita Cordovil Matos (1), Frederico Lopes (1), Ana Quitério (1), Trond Løge Hagen (2), Ellen Beate Hansen Sandseter (2)

(1) Faculty of Human Kinetics, University of Lisbon, Lisbon, Portugal; (2) Queen Maud University College of Early Childhood Education, Trondheim, Norway

**6) #453 Multimodal versus unimodal verbal/haptic feedback best assists acquisition, retention in novel motor learning**

Frikha Mohamed (1), Chaari Nesrine (2)

(1) Department of Physical Education, College of Education, King Faisal University, Al-Hufuf, Saudi Arabia; (2) Research Unit: Education, Motricité, Sport et Santé, UR15JS01, High Institute of Sport and Physical Education, University of Sfax, Tunisia

**Friday 13<sup>th</sup>**

## **Oral Presentation 7**

**Session: Physical Activity and Sport: investigating & promoting PA and sport**

**Date:** 11.00-12.00

**Room: Auditorium**

Chair(s) A. SÄÄKSLAHTI + M. VENTURELLI

1) # 626 Is screen-time a threat for young children's physical activity?

Venetsanou F. (1), Kambas A. (2), Gourgoulis V (2), Yannakoulia M. (3)

(1) School of Physical Education & Sport Science, National & Kapodistrian University of

Athens, Greece, (2) School of Physical Education & Sport Science, Democritus University of Thrace, Greece, (3)

Department of Nutrition and Dietetics, Harokopio University, Greece

2) # 695 Construct validity and reliability of a physical activity parenting questionnaire for children

Laukkanen A. (1), Aunola K. (2), Korhonen E. (1), Sääkslahti A. (1)

(1) Faculty of Sport and Health Sciences, and (2) Department of Psychology, University of Jyväskylä, Finland

3) # 703 How physical education teachers' controlling behaviour is related to objectively measured leisure-time physical activity in adolescents

Koka A., Tilga H., Tilga-Kalajas H., Hein V., Raudsepp L.

Institute of Sport Sciences and Physiotherapy, University of Tartu, Estonia

4) # 708 Objective and parent-reported physical activity in 3-year-old Finnish and Australian children

Soini A (1), Watt A. (2), Laukkanen A. (3), Soini M. (3), Sääkslahti A. (3), Poskiparta M. (3)

(1) Department of Education, University of Jyväskylä, Finland; (2) College of Arts and Education, Victoria University,

Australia; (3) Faculty of Sport and Health Sciences, University of Jyväskylä, Finland

5) # 728 Differences in physical activity among children with physically active and inactive parents

Eckelt M. (1), Hutmacher D. (2), Steffgen G. (2), Bund A. (1)

(1) Institute of Applied Educational Sciences and (2) Institute of Applied Educational Sciences, University of Luxembourg, Luxembourg

## **Oral Presentation 8**

**Session: Investigating & promoting motor competence**

**Time:** 11.00 – 12.00

**Room: Sala Convegni**

Chairs: K. WEBSTER + A. CECILIANI

1) # 642 The quality of early life experiences may delay the development of postural control and exploratory movement in healthy term infants: A prospective longitudinal study

Beaton H.E. (1), Travlos V. (1), Hands B. (2)

(1) The School of Physiotherapy, The University of Notre Dame Australia, Fremantle, Australia; (2) The Institute for Health Research, The University of Notre Dame Australia, Fremantle, Australia

2) # 656 Investigating motor competence in association with sedentary behavior and physical activity in 7- to 11-year-old children

Adank Anoenk M.(1,2), Van Kann Dave H.H. (1,3), Hoeboer Joris J.A.A. (4), De Vries Sanne I. (4), Kremers Stef P.J. (3), Vos, Steven B.V. (1,2),

(1) School of Sport Studies, Fontys University of Applied Sciences, The Netherlands; (2) Department of Industrial Design, Eindhoven University of Technology, The Netherlands; (3) Department of Health Promotion, Nutrition and Translational Research Institute Maastricht (NUTRIM), Maastricht University, The Netherlands; (4) The Hague University of Applied Sciences, Research group Healthy Lifestyle in a Supporting Environment, The Netherlands,

3) # 681 Immediate and long-term effects of a fundamental movement skills intervention: a cluster crossover study with 16-month follow-up

Kelly L. (1), O'Connor S. (2), Harrison A. (3), Ni Chéilleachair N. (1)

(1) Department of Sport and Health Sciences, Athlone Institute of Technology, Ireland; (2) School of Health and Human Performance, Dublin City University, Ireland; (3) Department of Physical Education and Sport Sciences, University of Limerick, Co. Limerick

**4) # 744 Lessons learned in examining the fidelity of motor skill interventions**

Jacqueline D. Goodway (1), Ruri Famelia (1), Ali Brian (2), Yung-Ju Chen (1), Nalda Wainwright (3), Amanda John (3), Tricia L. Biancone (1)

Department of Human Sciences, The Ohio State University, Columbus, OH, USA; (2) Department of Physical Education, University of South Carolina, Columbia, SC, USA;

(3) Wales Institute for Physical Literacy, University of Wales Trinity St. David, UK

**5) # 671 The association of the physical activity (pa) intervention with the sociocultural environment of childcare centers**

Anette Mehtälä (1), Arja Sääkslahti (1), Anne Soini (2), Jari Villberg (1), Marita Poskiparta (1)

(1) Faculty of Sport and Health Sciences, University of Jyväskylä, Finland; (2) Department of Education, University of Jyväskylä, Finland

## **Oral Presentation 9**

**Session: Pa and sport**

**Date: 11.00-12.00**

**Room: Sala Multifunzionale**

Chairs: M LENOIR + F. SCHENA

**1) # 690 Influence of an intervention program on the relationship between fundamental movement skills and sports skills**

Fernando Garbeloto dos Santos Dos Santos, Fernando, Garbeloto (1,2), Maia, José, António Ribeiro (2), Tani, Go (1)

(1) School of Physical Education and Sport, University of São Paulo, São Paulo, Brazil

**2) # 639 Development of Physical Fitness among potential talents at Sport Schools of North Rhine-Westphalia: A 10-years lookback**

Andreas Roth (1), Schmidt, Steffen (2), Hartmann, Sina (1), Seidel, Ilka (1), Scharenberg, Swantje (1), Bös, Klaus (2)

(1) Research Centre for School Sports and the Physical Education of Children and Young Adults, Karlsruhe Institute of Technology, Germany; (2) Institute of Sport and Sport Science, Karlsruhe Institute of Technology, Karlsruhe, Germany

**3) # 684 Effects of practice frequency on the physical fitness of fourth graders: A study of soccer and swimming practices**

Junjiro Kubo, Keiichi Tamaki, Hideyuki Arikawa

Heisei International University; Musashigaoka College; Saitama University

**4) # 625 The relationship between motor skills, behavioral changes, family support and coordination ability**

Huan Wang

Huan Wang. (1) Hu, Shuiqing (1) Chen, Yanjie (2)

(1) Research center of physical fitness and health, China Institute of Sport Science; (2) Beijing Children Hospital, China

**5) # 658 Examining the association between object control skills and cardiorespiratory endurance in children 8-12 years of age**

Dania Aspasia, Kaioglou, V., Venetsanou, F.

National and Kapodistrian University of Athens, School of Physical Education and Sport Science