



2018 Conference Program

Denver, Colorado
June 20 - 23, 2018

Wednesday, June 20th, 2018

8:00am – 5:00pm **Executive Committee Meeting** (Rexford)

Thursday, June 21st, 2018

7:00am – 8:00am **Area Program Chair's Breakfast Meeting** (Dining Room Reserved Table Back Corner)

8:00am – 9:30am **Concurrent Sessions**

Sport and Exercise Psychology Symposium – Are You Feeling Good Yet? Addressing The Need For Pleasure During Continuous, Interval, And Resistance Training Protocols (Crystal C)

Organizer: Leighton Jones, Sheffield Hallam University, UK
Discussant: Anne Cox, Washington State University
Moderator: Amber Mosewich, University of Alberta

Symposium Overview

Leighton Jones, Sheffield Hallam University, UK; Zachary Zenko, Duke University; Matthew Stork, University of British Columbia

Decrease the intensity, increase the pleasure and enjoyment: Findings from a resistance training experiment

Zachary Zenko, Duke University; Jasmin Hutchinson, Springfield College

A comparison of psychological and behavioral responses to interval and continuous exercise among inactive adults

Matthew Stork, University of British Columbia; Martin Gibala, McMaster University; Kathleen Martin Ginis, University of British Columbia

Can hiit be more pleasant? Examining the affective responses to different applications of music during hiit

Leighton Jones, Sheffield Hallam University, UK; Matthew Stork, University of British Columbia; Liam Oliver, Sheffield Hallam University, UK

Sport and Exercise Psychology Verbal Presentations – Exercise and Cognition (Crystal B)

Moderator: Matthew Pontifex, Michigan State University

- 8:00 **Effects of exercise on cognition: Preventing decline in older adults**
Selen Razon, West Chester University; Jean-Charles Lebeau, Ball State University; Matthew Thomas, Goshen Hospital; Leonard Kaminsky, Ball State University; Jocelyn Bolin, Ball State University
- 8:15 **The effect of acute exercise on neural activation and memory performance**
Alexis B Slutsky, Aiko Ueno, Sudharani Arunachalam, Jennifer L Etnier, University of North Carolina at Greensboro
- 8:30 **Longer, further, faster: Associations between fitness and executive functions in children**
Emily Bremer, McMaster University; Jeffrey D. Graham, McMaster University; John Cairney, University of Toronto
- 8:45 **The effect of moderate intensity continuous exercise training on high interference memory in young adults**
Kristen Lucibello, Jennifer Heisz, McMaster University
- 9:00 **Fitness as a moderator of the aging and cognition relationship: An ERP study**
Christopher Brush, Rutgers University; Peter Ehmann, Rutgers University; Ryan Olson, University of North Texas; Anthony Bocchine, Rutgers University; Brandon Alderman, Rutgers University
- 9:15 **Investigating the role of tonic and phasic locus-coeruleus activation in modulating cognition following acute exercise**
Amanda L. McGowan, Madison C. Chandler, Jan W. Brascamp, Matthew B. Pontifex, Michigan State University

Motor Learning and Control Verbal Presentations – Movement Disorders, Disability, and Rehabilitation (Crystal A)

Moderator: Jan Hondzinski, Louisiana State University

- 8:00 **Is intensity a critical factor in motor rehabilitation for Parkinson's disease?**
Quincy Almeida, Matthew T. Lasswell, Eric N. Beck, Wilfrid Laurier University
- 8:15 **Using coordination tasks to screen people with a history of mTBI**
Shaochen Huang, Boyi Dai, Qin Zhu, University of Wyoming
- 8:30 **Exploring the relationship between otolith function, sensorimotor integration, and postural control in chronic mild traumatic brain injury**
Deborah Jehu, Oregon Health & Science University; Sean Kempel, The Veteran Affairs Portland Health Care System; Lucy Parrington, Oregon Health & Science University; Peter Fino, Oregon Health & Science University; Timothy Hullar, Oregon Health & Science University; Laurie King, Oregon Health & Science University
- 8:45 **Locomotor adjustments during stair ascent in children with Down syndrome: Comparison between walking and crawling strategies**
Huaqing Liang, Jianhua Wu, Georgia State University

9:00 **Acute effects of assisted cycling therapy on upper extremity motor function after stroke**
Simon Holzapfel, Arizona State University; Shannon Ringenbach, Arizona State University; Pamela Bosch, Northern Arizona University; Chong Lee, Arizona State University; Brittany Heyer, Arizona State University

9:15 **Dual-task cost and cognition in patients with chronic mTBI**
Lucy Parrington, Tyler Duffield, Peter Fino, Laurie King, Oregon Health & Science University

Motor Development Symposium – Celebrating 50 Years of The Michigan State University Motor Performance Study (Crestone B)

Organizer: Larissa True, SUNY Cortland
Discussant: Karin Pfeiffer, Michigan State University
Moderator: Sam Logan, Oregon State University

An overview of the Michigan State University motor performance study: Then and now

Crystal Branta, Michigan State University; John Haubenstricker, Michigan State University; Karin Pfeiffer, Michigan State University; Larissa True, SUNY Cortland; Eric Martin, Boise State University; Shannon Siegel, University of San Francisco; Vern Seefeldt, Michigan State University

Influence of adiposity and maturation on fitness in girls

Christine Pacewicz, Karin Pfeiffer, Amy Nuttall, Crystal Branta, John Haubenstricker, Vern Seefeldt, Michigan State University

Tracking of physical fitness components from childhood to adolescence: A longitudinal study

Larissa True, SUNY Cortland; Eric Martin, Boise State University; Karin Pfeiffer, Michigan State University; Shannon Siegel, University of San Francisco; Crystal Branta, Michigan State University; John Haubenstricker, Michigan State University; Vern Seefeldt, Michigan State University

Youth sport participation and adult physical activity: The influence of fundamental movement skill instruction during childhood

Eric Martin, Boise State University; Larissa True, SUNY Cortland; Karin Pfeiffer, Michigan State University; Shannon Siegel, University of San Francisco; Crystal Branta, Michigan State University; David Wisner, Central Michigan University; John Haubenstricker, Michigan State University; Vern Seefeldt, Michigan State University

9:30am – 9:45am **Refreshment Break**

9:45am – 11:15am **Concurrent Sessions**

Multidisciplinary Symposium – Cognitive-Motor And Psychological Mechanisms Underlying Motor Control And Learning In A Social Context: From Human-Human To Human-Robot Dynamics (Crystal C)

Organizer: Rodolphe Gentili, University of Maryland; Matthew Miller, Auburn University
Discussant: Will Wu, California State University - Long Beach
Moderator: Richard Magill, Columbia University

Symposium Overview – Cognitive-motor and psychological mechanisms underlying motor control and learning in a social context: From human-human to human-robot dynamics

Rodolphe Gentili, University of Maryland; Matthew Miller, Auburn University

When practice together moderates how we practice, yet not to the detriment of our own learning

Nicola Hodges, April Karlinsky, University of British Columbia

Advantages of dyad and triad practice

Charles Shea, Deanna Kennedy, Texas A&M University

Understanding group motivation gains in exercise and sport contexts

Deborah Feltz, Christopher Hill, Michigan State University

The effects of team environment on cognitive resource allocation

Matthew Miller, Auburn University

Assessing motor performance and mental workload during team practice: When robotic systems inform human motor behavior

Rodolphe J. Gentili, Isabelle M. Shuggi, University of Maryland

Sport and Exercise Psychology Verbal Presentations – Youth Sport (Crystal B)

Moderator: Nicole Bolter, San Francisco State University

9:45 Exploring long-term behavioural consequences of early specialization in swimming among masters swimmers

Heather K. Larson, University of Alberta; Tara-Leigh F. McHugh, University of Alberta; Bradley W. Young, University of Ottawa; Wendy M. Rodgers, University of Alberta

10:00 A longitudinal examination of the relationship between physical literacy and sport participation

Clark Heather, John Cairney, University of Toronto

10:15 Parent conditional regard and the development of perfectionism in adolescent athletes: The mediating role of competence contingent self-worth

Thomas Curran, University of Bath, UK

10:30 Parent-child relationships in youth sport: The positive impact of parental perceived responsiveness

Olivier Y. Rouquette, Swansea University, UK; Camilla J. Knight, Swansea University, UK; Victoria E. Lovett, Swansea University, UK; Jean-Philippe Heuzé, Université Grenoble Alpes, France

10:45 A citation network analysis of research on the parent-child relationship in organized youth sport

Travis Dorsch, Matthew Vierimaa, Juliana Plucinik, Utah State University

11:00 Parents' perfectionism, parenting styles, and views of sport specialization

Emily Wright, Michigan State University; Melissa Chase, Miami University; Robin Vealey, Miami University; Thelma Horn, Miami University

Motor Development Verbal Presentations – Motor Learning & Control in Special Populations (Crystal A)

Moderator: Jane Clark, University of Maryland

9:45 Knee joint kinematics of the pendulum test in children with and without Down syndrome

Diego Ferreira, Huaqing Liang, Jianhua Wu, Georgia State University

- 10:00 **Children with Down syndrome display typical intersegmental coordination during turning phase of the Timed Up-and-Go test**
Matthew Beerse, Michael Lelko, Jianhua Wu, Georgia State University
- 10:15 **Mild cognitive impairment declines learning of a simple movement sequence.**
Stephan Panzer, Saarland University, Germany; Willem Verwey, University of Twente, The Netherlands; Janine Vieweg, Saarland University, Germany; Peter Leinen, Saarland University, Germany
- 10:30 **Visual attention to instructional supports in autism spectrum disorder: A case-control study**
J. Megan Irwin, University of South Carolina; Keith Lohse, University of Utah; Mary Rudisill, Auburn University; Melissa Pangelinan, Auburn University
- 10:45 **Physical activity level changes are related to motor skill changes in infants with Down syndrome**
Kathryn L. Gwizdala, Isabella T. Felzer-Kim, Janet L. Hauck, Michigan State University
- 11:00 **The influence of motor competence and obesity on physical activity and fitness among children with intellectual and developmental disabilities**
Kerri Staples, University of Michigan; Kyla Collins, Texas Christian University; Sara Lautenslager, University of Regina; Kendra McLeod, University of Regina; Amanda Federink, University of Regina

Motor Development Symposium – A Cultural Perspective on The Interaction of Actual And Perceived Motor Performance And Their Correlates In Children (Crestone B)

Organizer: Dennis Dreiskaemper, University of Muenster, Germany
Discussant: Nadja Schott, University of Stuttgart, Germany
Moderator: Jacqueline Goodway, Ohio State University

Symposium overview: A cultural perspective on the interaction of actual and perceived motor performance and their correlates in children

Dennis Dreiskaemper, University of Muenster, Germany

Cultural perspective on the interaction of actual and perceived motor performance in children

Maike Tietjens, University of Muenster, Germany; Dennis Dreiskaemper, University of Muenster, Germany; Nadja Schott, University of Stuttgart, Germany; Till Utesch, University of Muenster, Germany; Trina Hinkley, Deakin University, Australia; Lisa M. Barnett, Deakin University, Australia; Natalie Lander, Deakin University, Australia.; Benjamin Holfelder, University of Stuttgart, Germany

The measurement of the physical self-concept/self-perception of motor competence in childhood: A review

Dennis Dreiskaemper, University of Muenster, Germany; Till Utesch, University of Muenster, Germany; Farid Bardid, University of Strathclyde, UK; Maike Tietjens, University of Muenster, Germany

Fit girls and skillful boys? Direct and indirect relationships of physical activity, motor performance, and physical fitness on cognition in children

Nadja Schott, University of Stuttgart, Germany; Benjamin Holfelder, University of Stuttgart, Germany; Emiliano Mazzoli, Deakin University, Australia

How stable is perceived motor competence over one year and does it differ for boys and girls?

Lander, Deakin University, Australia; Trina Hinkley, Deakin University, Australia; Nadja Schott, University of Stuttgart, Germany; Maike Tietjens, University of Muenster, Germany; Till Utesch, University of Muenster, Germany; Dennis Dreiskaemper, University of Muenster, Germany

11:30am – 12:30pm **Conference Welcome and Human Kinetics Lecture** (Crystal Ballroom)

Conference Welcome and Introduction of Human Kinetics Lecturer

Daniela Corbetta, University of Tennessee, NASPSPA Past-President

Human Kinetics Lecture - Visual control of natural actions

Mary Hayhoe, University of Texas at Austin

12:30pm – 1:45pm **Past-Presidents Luncheon** (Leadville)

12:30pm – 1:45pm **Student-Faculty Luncheon** (Aspen)

12:30pm – 1:45pm **JSEP Editorial Board Lunch Meeting - Human Kinetics** (Rexford)

1:45pm – 3:15pm **Concurrent Sessions**

Motor Learning and Control Symposium – Learning To Organize and Reorganize Movement Coordination Patterns (Crystal C)

Organizer: Karl Newell, University of Georgia

Discussant: Jill Whittall, University of Maryland

Moderator: Rob Horn, Montclair State University

Introduction to theme of symposium

Karl Newell, University of Georgia

Control parameter and collective variable dynamics in a degenerate perceptual-motor task

Yeou-Teh Liu, National Taiwan Normal University, Taiwan; Kuo-Liang Chuang, National Taiwan Normal University, Taiwan; Karl Newell, University of Georgia

Altering bimanual coordination patterns in redundant motor tasks

Rajiv Ranganathan, Michigan State University; Federica Danese, University of Genoa, Italy; Edoardo Corona, University of Genoa, Italy; Maura Casadio, University of Genoa, Italy

Adaptations in postural control to different task constraints in people with multiple sclerosis

Richard Van Emmerik, Julianna Averill, Michael Busa, University of Massachusetts

Sport and Exercise Psychology Verbal Presentations – Exercise Motivation (Crystal B)

Moderator: Kathleen S. Wilson, California State University, Fullerton

1: 45 **An exploratory study on flow under köhler paradigm with software-generated partners**

Seungmin Lee, Nicholas D. Myers, Taiwoo Park, Christopher Hill, Deborah L. Feltz, Michigan State University

2:00 **I can see it in your face: Exercisers' and non-exercisers' automatic affective valuations of exercise**

Ralf Brand, University of Potsdam, Germany; Lukas Ulrich, Humboldt-University Berlin, Germany

2:15 **Testing the integrated behavior change model in gym members: A longitudinal study**

Navin Kaushal, University of Montreal; Martin S. Hagger, Curtin University, Australia; Béatrice Bérubé, University of Montreal; Louis Bherer, University of Montreal

- 2:30 **A qualitative investigation of older adults' beliefs about physical activity maintenance and re-engagement**
Mary Katherine Huffman, Steve Amireault, Purdue University
- 2:45 **Step up: Exploring the effectiveness of social norm prompts on stair use in a university setting**
Alyson Crozier, University of South Australia, Australia
- 3:00 **Older adults' experiences of group-based physical activity: A qualitative study from the 'GOAL' randomized controlled trial**
Erica Bennett, The University of British Columbia; Laura Hurd Clarke, The University of British Columbia; Svenja Anna Wolf, University of Amsterdam, The Netherlands; William Dunlop, University of California, Riverside; Samantha Harden, Virginia Tech; Yan Liu, The University of British Columbia; Paul Estabrooks, University of Nebraska; Ryan Rhodes, University of Victoria; Mark Beauchamp, The University of British Columbia

Motor Development Verbal Presentations – Measurement and Methodology (Crystal A)

Moderator: Beth Smith, University of Southern California

- 1:45 **Does the strength of the correlation between adolescents' actual and perceived motor competence depend on the measurement method?**
An De Meester, Silke De Waelle, Frederik Deconinck, Matthieu Lenoir, Leen Haerens, Ghent University, Belgium
- 2:00 **Development and validation of a set of cognitive tasks for inhibitory control assessment in children: Gonogo paradigm in and App for mobile device**
Rodrigo Sartori, Universidade Federal do Rio Grande do Sul, Brazil; Nadia Cristina Valentini, Universidade Federal do Rio Grande do Sul, Brazil; Glauber Carvalho Nobre, Universidade Federal do Rio Grande do Sul, Brazil; Rochele Paz Fonseca, PUCRS, Brazil
- 2:15 **Children's scores on the Test of Gross Motor Development-2nd and 3rd edition: A comparison study**
Kara K. Palmer, Katherine M. Chinn, Leah E. Robinson, Center for Human Growth and Development, University of Michigan
- 2:30 **Children's metabolic expenditure during object projection skill performance**
Ryan S. Sacko, Kerry McIver, Joseph Gorab, Ali Brian, Danielle Nesbitt, David F. Stodden, University of South Carolina
- 2:45 **Surveying caregivers about the duration of various positions and devices used for infants: Is Ecological Momentary Assessment necessary?**
Marcelo Rosales, University of Southern California; Tanya Tripathi, Virginia Commonwealth University; Stacey Dusing, Virginia Commonwealth University; Beth Smith, University of Southern California
- 3:00 **The Test of Gross Motor Development-3rd edition: Validation of instructional sensitivity**
Dale A Ulrich, University of Michigan; Kerri Staples, University of Michigan; E. Andrew Pitchford, Iowa State University; Yuemei Lu, University of Michigan

Motor Development Symposium – Best Practices For The Development And Implementation of Physical Activity And Motor Skill Interventions For Preschoolers (Crestone B)

Organizer: Danielle Wadsworth, Auburn University
Discussant: Jacqueline Goodway, Ohio State University
Moderator: Frank Snyder, Central Michigan University

Introduction of symposium

Danielle Wadsworth, Jerraco Johnson, Melissa Pangelinan, Auburn University

Critical environmental factors: Best practices for elucidating positive changes in fundamental motor skill learning in preschool-age children

Jerraco Johnson, Mary Rudisill, Auburn University

Best practices to elicit moderate to vigorous physical activity in preschoolers: A social ecological approach

Danielle Wadsworth, Alexandra Venezia, Auburn University

Measuring the immediate and long-term effects of motor skill and physical activity intervention on cognitive and academic skills

Melissa Pangelinan, Julia Sassi, Brooke Converse, Auburn University

3:15pm – 3:30pm **Break**

3:30pm – 4:15pm **Early Career Distinguished Scholar Lectures (Crystal Ballroom)**

Moderator: Daniela Corbetta, University of Tennessee

Introduction: Jacqueline Goodway, Ohio State University

A little clumsy and full of problems: Mechanisms and consequences of developmental coordination disorder

Priscila Caçola, University of Texas at Arlington

Introduction: Nicola Hodges, University of British Columbia

Exploring measurement and methodology in motor behavior

Keith Lohse, University of Utah

4:15pm – 6:15pm **Poster Session #1 (3rd Floor Lobby)**

Moderators: Danielle Felsberg, University of North Carolina, Greensboro
Kathleen Mellano, Michigan State University
Chrissy Pacewicz, Michigan State University
Ryan Sacko, The Citadel

See Pages 23-30 of this conference program for a list of the posters. Please set up posters by Noon. If you have an odd-numbered poster, please stand at your poster for the first hour. If you have an even-numbered poster, please stand at your poster for the second hour.

6:15pm – 6:45pm **Presentation of Distinguished Scholar Award (Crystal Ballroom)**

6:45pm – 8:15pm **Wine and Cheese Happy Hour (2nd Floor Foyer)**

Please join us for wine and light hors d'oeuvres and offer congratulations to our distinguished scholars. Dinner is on your own after this event.

Friday, June 22nd, 2018

8:00am – 9:30am **Concurrent Sessions**

Sport and Exercise Psychology Symposium – Licit And Illicit Performance Enhancement In Sport And Education (Crystal C)

Organizer: Ian David Boardley, University of Birmingham, UK
Discussant: Daniel Gould, Michigan State University
Moderator: Alyson Crozier, University of South Australia, Australia

Development and validation of indirect measures of athletes' attitudes towards controlled and uncontrolled forms of performance enhancement in sport

John Mills, University of Essex, UK; Ian David Boardley, University of Birmingham, UK; Alexandra Olton, University of Birmingham, UK

Antecedents and outcomes of technical and strength and conditioning coaches' doping confrontation efficacy beliefs

Ian David Boardley, University of Birmingham, UK; Jonathan Grix, Manchester Metropolitan University, UK; Ceri Wynne, University of Birmingham, UK; Alan Smith, Michigan State University; Nikos Ntoumanis, Curtin University, Australia

Athletes' perceptions of coach doping confrontation efficacy and athletes' susceptibility to intentional and inadvertent doping in athletics and rugby

Anthony Knox, University of Birmingham, UK; Ian David Boardley, University of Birmingham, UK; Ceri Wynne, University of Birmingham, UK; Alan Smith, Michigan State University; Nikos Ntoumanis, Curtin University, Australia

A qualitative investigation of psychosocial factors facilitating students' use of cognitive enhancing drugs

Andrew Heyes, Ian David Boardley, University of Birmingham, UK

Sport and Exercise Psychology Verbal Presentations – Social Influence (Crystal B)

Moderator: Jennifer Brunet, University of Ottawa

8:00 **Are significant others really insignificant? A response surface analysis of subjective norms in predicting physical activity intentions**

Jeemin Kim, Mark Eys, Jennifer Robertson-Wilson, Emily Dunn, Kayla Rellinger, Wilfrid Laurier University

8:15 **A tripartite efficacy examination of the personal trainer-client relationship**

Christopher Hill, Deborah Feltz, Michigan State University

8:30 **Perceived social support predicts competition appraisals and performance satisfaction among varsity athletes: Organizational stressors as moderators**

Katherine Tamminen, University of Toronto; Catherine Sabiston, University of Toronto; Peter Crocker, University of British Columbia

- 8:45 **Social perceptions, sport-specific coping, and burnout in American collegiate club athletes**
J.D. DeFreese, University of North Carolina at Chapel Hill; Nikki Barczak, University of North Carolina at Chapel Hill; Johna Register-Mihalik, University of North Carolina at Chapel Hill; Emily Kroshus, University of Washington; Shelby Waldron, University of North Carolina at Chapel Hill
- 9:00 **Motivation contagion: Effects of exerciser weight status and perceived motivation on fitness instructors' motivation and beliefs about the exerciser**
Michelle Guerrero, University of Windsor; Nikos Ntoumanis, Curtin University, Australia; Cecile Thogersen-Ntoumani, Curtin University, Australia; Courtney Gadeke, Curtin University, Australia
- 9:15 **Measuring peer athlete mentoring functions: Development of the Athlete Mentoring Questionnaire (AMQ)**
Matt D. Hoffmann, Todd M. Loughhead, University of Windsor

Motor Learning and Control Verbal Presentations – Self-Control Effects on Motor Learning (Crystal A)

Moderator: Kevin Becker, Texas Woman's University

- 8:00 **Different degrees of choice influence self-controlled feedback effects on motor learning**
Jeffrey Fairbrother, University of Tennessee; Andy Bass, University of Tennessee; Aaron von Lindern, College of Western Idaho; Kaylee Couvillion, University of Tennessee
- 8:15 **Does the prompt that a participant receives for feedback contribute to the learning advantage of self-controlled practice?**
Julia Hussien, University of Ottawa; Zachary D. Yantha, University of Ottawa; Michael J. Carter, McMaster University; Diane M. Ste-Marie, University of Ottawa
- 8:30 **Exploring the neurophysiological mechanisms determining the regulation of difficulty in self-controlled practice**
Anupriya Pathania, University of Utah
- 8:45 **Working memory engagement during self-controlled practice: An EEG study**
Kyle J. Jaquess, University of Maryland; Yingzhi Lu, Shanghai University of Sport, China; Andrew Ginsberg, University of Maryland; Calvin Lu, University of Maryland; Bradley Ritland, University of Maryland; Hyuk Oh, University of Maryland; Steven Kahl, University of Maryland; Bradley D. Hatfield, University of Maryland; Rodolphe J. Gentili, University of Maryland
- 9:00 **Measuring cortical 1/f noise in a motor learning paradigm: Effects of difficulty, performance, and time**
Keith Lohse, University of Utah; Anupriya Pathania, University of Utah; Amber Leiker, Auburn University; Matthew Miller, Auburn University
- 9:15 **Self-control effects during a reduction of feedback availability**
Aaron von Lindern, College of Western Idaho; Andrew Bass, University of Tennessee; Jeffrey Fairbrother, University of Tennessee

Motor Development Verbal Presentations – Exploration and Play (Crestone B)

Moderator: Mei-Hua Lee, Michigan State University

- 8:00 **An exploration of how infant locomotor experience facilitates psychological change**
David I. Anderson, San Francisco State University; Minxuan He, San Francisco State University; Joseph J. Campos, University of California, Berkeley

- 8:15 **How does the discovery of a non-obvious perceptual property impact perceptual-motor exploration of objects in infants?**
Rebecca F. Wiener, Daniela Corbetta, University of Tennessee
- 8:30 **Posture and play: How infants use their bodies to interact with their surroundings in the first two years**
Sabrina L. Thurman, Elon University; Daniela Corbetta, University of Tennessee
- 8:45 **Differences in parental behaviors of parents of young children with and without ASD in two different play settings**
Byungmo Ku, Megan MacDonald, Bridget Hatfield, Oregon State University
- 9:00 **Mobility is a fundamental human right: Factors predicting attitudes toward self-directed mobility**
Samuel W. Logan, Kathleen R. Bogart, Samantha M. Ross, Erica Woekel, Jenna Fitzgerald, Samantha Ligman, Christina Cafferata, Oregon State University
- 9:15 **The impact of object size on children's motor planning skills**
Sara Scharoun Benson, University of Windsor

9:30am – 9:45am **Refreshment Break**

9:45am – 11:15am **Concurrent Sessions**

Multidisciplinary Symposium – "What, So What, And Now What?" Translating Positive Youth Development (PYD) Research To Program Improvements In Curricula And Coach Training (Crystal C)

Organizer: Maureen Weiss, University of Minnesota
Discussant: Allison Riley, Girls on the Run International, Charlotte, NC
Moderator: Megan Stellino, University of Northern Colorado

Introduction to the symposium

Maureen Weiss, University of Minnesota

Using research and evaluations to inform improvements in LiFEsports: "So what" to "Now what?"

Dawn Anderson-Butcher, Ohio State University; Anthony Amorose, Illinois State University

Longitudinal impact of *The First Tee* on PYD: "So what" to "Now what?"

Nicole Bolter, San Francisco State University; Maureen Weiss, University of Minnesota

"So what?" Connecting research and practice through the PYDSportNET program

Nicholas Holt, Kurtis Pankow, University of Alberta

"What ... so what?" Girls on the run — a longitudinal evaluation of program impact

Maureen Weiss, University of Minnesota; Lindsay Kipp, Texas State University; Alison Phillips, University of Iowa; Sarah Espinoza, University of Minnesota; Hailee Moehnke, University of Minnesota; Nicole Bolter, San Francisco State University

"Now what?" A practitioner's perspective on translating PYD research to program improvements

Allison Riley, Girls on the Run International

Sport and Exercise Psychology Verbal Presentations – Physical Activity Intervention (Crystal B)

Moderator: Brandon Alderman, Rutgers University

- 9:45 **How can academic and community partners support healthy eating and physical activity programs in childcare and early-learning centers?**
Angela M. Coppola, Indiana University Kokomo; Allison L. Voils, Indiana University Kokomo; Janet Gafkjen, Partnership for a Healthy Hamilton County; David J. Hancock, Indiana University Kokomo
- 10:00 **Exploring the relationship between parent and child physical activity during a family-based fitness intervention**
Danielle Wadsworth, Shelby Foote, Alexandria Venezia, Auburn University
- 10:15 **Ahead of the game: Results of a sports-based mental health program for adolescent males**
Stewart Vella, University of Wollongong, Australia; Christian Swann, University of Wollongong, Australia; Katherine Boydell, University of New South Wales, Australia; Simon Eckermann, University of Wollongong, Australia; Andrea Fogarty, University of New South Wales, Australia; Sarah Liddle, University of Wollongong, Australia; Chris Lonsdale, Australian Catholic University, Australia; Andrew Miller, University of Newcastle, Australia; Anthony Okely, University of Wollongong, Australia; Frank Deane, University of Wollongong, Australia
- 10:30 **The effects of gender relevant physical activity program on girls' fitness and perceptions of physical activity**
Phillip Post, Rebecca Palacios, New Mexico State University
- 10:45 **Impact of surf therapy on self-determination and quality of life for young adults with ASD**
Daniel Parsons, Todd Teri, California State University
- 11:00 **Maintenance of parental outcomes following a home-based physical activity intervention for families of youth with and without Prader Willi syndrome**
Kathleen S. Wilson, Daniela A. Rubin, California State University

Motor Learning and Control Verbal Presentations – Practice Conditions and Instruction (Crystal A)

Moderator: Diane Ste-Marie, University of Ottawa

- 9:45 **The effects of practicing a motor skill in virtual reality**
Jared Porter, Koleton Cochran, Southern Illinois University
- 10:00 **Those who expect to teach a motor skill cannot perform better under high pressure**
Marcos Daou, Auburn University; Jence Rhoads, Auburn University; Mariane Bacelar, Auburn University; Zach Hutchison, Auburn University; Keith Lohse, University of Utah; Matthew Miller, Auburn University
- 10:15 **Improving acquisition of manual wheelchair skills: An EEG study using motor learning principles**
Jence Rhoads, Auburn University; Mariane Bacelar, Auburn University; Marcos Daou, Auburn University; Won Valerius, Auburn University; Briana Carter, Auburn University; Lucia Scaglione, Auburn University; Keith Lohse, University of Utah; Matthew Miller, Auburn University
- 10:30 **Effect of feedback within a novel virtual reality obstacle crossing environment**
Chanel LoJacono, JD Manzo, Ashley Sanchez, Christopher Rhea, University of North Carolina at Greensboro
- 10:45 **Learning with LEGO: Observational learning of a complex motor task with partially occluded field of vision**
Portia Kalun, Jennifer Zering, Lauren Smail, Ranil Sonnadara, McMaster University

11:00 Observational uses of athletes with disabilities

McKenzie Gamble, Kathleen Sanchez-Milliken, Ralael Alamilla, Olivia Wilson, Christopher Gentry, Amanda Rymal, California State University

Motor Development Verbal Presentations – Assessments and Interventions (Crestone B)

Moderator: Mike Wade, University of Minnesota

9:45 Leg movement rate pre- and post-kicking intervention in infants with Down syndrome

Rahil Khasgiwale, Beth Smith, University of Southern California; Julia Looper, University of Puget Sound

10:00 Motor developmental windows and trajectories of preterm and full-term infants in the first year of life

Nadia Cristina Valentini, Keila Ruttnig Guidony Pereira, Eloá Maria dos Santos Chiquetti, Universidade Federal do Rio Grande do Sul; Cibelle Kayenne Martins Roberto Formiga, Universidade Estadual de Goiás; Maria Beatriz Martins Linhares, Universidade Estadual de São Paulo

10:15 Effect of caregiver physical interaction on characteristics of spontaneous movements in infants

Priya Patel, Faezeh Hajiaghajani, Subir Biswas, Mei-Hua Lee, Michigan State University

10:30 Autism in infant siblings: A case study

Anastasia Kyvelidou, Creighton University

10:45 Enjoy the fun of driving! The preliminary results of motivation and the ride-on car training with two different postures in toddlers with disabilities

Hsiang-Han Huang, Yu-Hsin Hsieh, Wan-Ying Tsai, Ming-Ke Shih, Chang Gung University, Taiwan; Chia-Ling Chen, Chang Gung Memorial Hospital, Taiwan

11:00 SKIPing to fundamental motor skill competence with developmentally delayed preschoolers

Jacqueline Goodway, Ruri Famelia, Ohio State University

11:30am – 12:30pm Motor Development Keynote Lecture (Crystal Ballroom)

Moderator: Jeffrey Haddad, Purdue University

Infant's Actions Broaden Their Mind

Gustaf Gredebäck, University of Uppsala, Sweden

12:30pm – 1:00pm Pick up box lunch in Crestone A (3rd Floor - bring your ticket)

1:00pm – 2:45pm Business Meeting and Award Luncheon (Crystal Ballroom - bring your lunch)

2:45pm – 4:15pm Senior Lecturers (Crystal Ballroom)

Moderator: Jill Whitall, University of Maryland

The use of observation for motor learning and performance: Current trends and future directions

Diane Ste-Marie, University of Ottawa

Promoting actual and perceived motor competence in the early years: SKIPing toward physical literacy

Jacqueline D. Goodway, Ohio State University

Developing youth leadership through sport by leveraging the scholastic captain experience

Daniel Gould, Michigan State University

4:15pm – 6:15pm **Poster Session #2 (3rd Floor Lobby)**

Moderators: Kylee Couvillion, University of Tennessee
Thomas Curran, University of Bath, UK
Rashelle Hoffman, University of Nebraska Medical Center
Jerraco Johnson, Auburn University

See Pages 31-38 of this conference program for a list of the posters. Please set up posters by Noon. If you have an odd-numbered poster, please stand at your poster for the first hour. If you have an even-numbered poster, please stand at your poster for the second hour.

6:30pm **SportRxiv Hackathon: Developing Open Science Practices in Sport, Exercise, and Physical Activity Related Domains (Crestone A)**

6:30pm **3 Minute Thesis Competition (Crestone B)**

6:50pm **Student Meeting (Crestone B)**

7:30pm **Student Social**

Saturday, June 23rd, 2018

7:00am – 8:00am **JMLD Editorial Board Breakfast Meeting - Human Kinetics** (Rexford - 3rd Floor)

8:00am – 9:30am **Concurrent Sessions**

Sport and Exercise Psychology Symposium – “I Knew They'd Do That!” Contextual Information, Perception, And Action (Crystal C)

Organizer: Robin C. Jackson, Loughborough University, UK
Discussant: Robin C. Jackson, Loughborough University, UK
Moderator: JD Defreese, University of North Carolina at Chapel Hill

Actions become "super-deceptive" when preceded by (congruent) situational probability information

Robin C. Jackson, Loughborough University, UK; Hayley Barton, Brunel University London, UK

Soccer penalty kicking behaviors are influenced by goalkeepers' reputations

Rouwen Cañal-Bruland, Jonathan Felix Bes, Florian Müller, Friedrich Schiller University Jena, Germany

Option generation and skilled anticipation behavior in tennis

Colm Murphy, St Mary's University, London, UK; Robin C. Jackson, Loughborough University, UK; A. Mark Williams, University of Utah

Anticipation and the use of probabilistic information in the presence of ambiguous movement kinematics

Fabian Helm, Goethe-University Frankfurt, Germany; Rouwen Cañal-Bruland, Friedrich Schiller University Jena, Germany; David L. Mann, Vrije Universiteit Amsterdam, The Netherlands; Nikolaus F. Troje, Queen's University; Jörn Munzert, Justus-Liebig-University Giessen, Germany

More "novice-like" gaze behavior, and decreased performance, when contextual information increases uncertainty in batting

David L. Mann, Vrije Universiteit Amsterdam, The Netherlands; Vishnu Sarpeshkar, National Sports Institute of Malaysia, Malaysia; Bruce Abernethy, The University of Queensland, Australia

Sport and Exercise Psychology Verbal Presentations – Sport Motivation (Crystal B)

Moderator: Cheryl Stuntz, St. Lawrence University

8:00 Women athletes' early-season self-compassion, sport performance perceptions, and well-being

Margo E. K. Adam, University of Saskatchewan; Noreen Murphy, Saskatchewan Sport Inc.; Leah J. Ferguson, University of Saskatchewan

8:15 An examination of the influence of perceived coaching behaviors and self-determined motivation on student-athletes' grit and mental toughness

Lloyd Scharneck, Scott Pierce, Anthony Amorose, Illinois State University

8:30 Predicting performance in athlete pairs: Unique effects among self-, other-, and collective efficacy

Christine Marie Habeeb, University of Stirling; Robert C. Eklund, Florida State University; Pete Coffee, University of Stirling

- 8:45 **Assessing need supporting, thwarting and indifferent coaching styles: Development and validation of a new multidimensional measure**
Nikita Bhavsar, Curtin University, Australia; Nikos Ntoumanis, Curtin University, Australia; Eleanor Quested, Curtin University, Australia; Richard Ryan, Australian Catholic University, Australia; Johnmarshall Reeve, Korea University, South Korea; Daniel Gucciardi, Curtin University, Australia; Cecilie Thøgersen-Ntoumani, Curtin University, Australia
- 9:00 **Individual and climate perceptions in Finnish youth team sport athletes: A prospective and retrospective Study**
Thais Zanatta, Texas Tech University; Marc Lochbaum, Texas Tech University; Niilo Konttinen, Research Institute for Olympic Sports, Finland; Christoph Rottensteiner, Research Institute for Olympic Sports, Finland
- 9:15 **Coaching behaviors and athlete motivation: A test of psychological safety**
Charity Simmons, Jordan Blazo, Mitzi Desselles, Hudson Taylor, Barton Crum, Louisiana Tech University

Motor Learning and Control Verbal Presentations – Anticipation (Crystal A)

Moderator: Keith Lohse, University of Utah

- 8:00 **Training deceptive actions to enhance action perception: Attack is the best form of defense**
Ryan Raffan, Nelson Mandela University, South Africa; David Mann, Vrije Universiteit Amsterdam, The Netherlands; Rosa Du Randt, Nelson Mandela University, South Africa; Geert Savelsbergh, Vrije Universiteit Amsterdam, The Netherlands
- 8:15 **Why do bad balls get wickets? The role of congruent and incongruent information in anticipation**
Oliver R. Runswick, University of Chichester, UK; André Roca, St Mary's University, UK; A. Mark Williams, University of Utah; Allistair P. McRobert, Liverpool John Moores University, UK; Jamie S. North, St Mary's University, London, UK
- 8:30 **The neural correlates underlying the use of contextual and kinematic information processes during anticipation**
Marie Simonet, St Mary's University, UK; Oliver R. Runswick, University of Chichester, UK; Jamie S. North, St Mary's University, UK; Mark A. Williams, University of Utah; André Roca, St Mary's University, UK
- 8:45 **The temporal integration of information during anticipation**
Oliver R. Runswick, University of Chichester, UK; André Roca, St Mary's University, UK; A. Mark Williams, University of Utah, USA; Allistair P. McRobert, Liverpool John Moores University, UK; Jamie S. North, St Mary's University, UK
- 9:00 **The influence of time spent in beginning and end-state postures on grasp choice**
Rachel Modersitzki, Breanna Studenka, Utah State University
- 9:15 **Action-related auditory cues add to visual anticipation in tennis**
Rouwen Cañal-Bruland, Friedrich Schiller University Jena, Germany; Florian Müller, Friedrich Schiller University Jena, Germany; Björn Lach, Friedrich Schiller University Jena, Germany; Charles Spence, University of Oxford, UK

Motor Development Symposium – Exploring The Interplay Between Motor Competence And Physical Fitness Over Time: A Developmental Perspective On Physical Health In Children (Crestone B)

Organizers: Till Utesch, Univ. of Muenster, Germany; Farid Bardid, Univ. of Strathclyde, Scotland
Discussant: Jacqueline D. Goodway, Ohio State University
Moderator: Jeffrey Haddad, Purdue University

A developmental perspective on physical health in children

Till Utesch, University of Muenster, Germany; Farid Bardid, University of Strathclyde, Scotland

The relationship between motor competence and physical fitness from early childhood to early adulthood: A meta-analysis

Till Utesch, University of Muenster, Germany; Farid Bardid, University of Strathclyde, Scotland; Dirk Büsch, University of Oldenburg, Germany; Bernd Strauss, University of Muenster, Germany

(In)consistency between longitudinal developmental pathways and normative data: The case of cardiorespiratory fitness

Luis Paolo Rodrigues, Instituto Politécnico de Viana do Castelo, Portugal; Vitor Lopes, Instituto Politécnico de Bragança, Portugal

Dynamics between motor competence, cardiorespiratory fitness and weight status in children: A cross-lagged longitudinal analysis

Farid Bardid, University of Strathclyde, Scotland; Till Utesch, University of Muenster, Germany; Matthieu Lenoir, Ghent University, Belgium

Classes of developmental trajectories of body mass index: Differences in motor competence and physical fitness

Vitor Lopes, Polytechnic Institute of Bragança, Portugal; Till Utesch, University of Muenster, Germany; Luis Paolo Rodrigues, Polytechnic Institute of Viana do Castelo, Portugal

9:30am – 9:45am **Refreshment Break**

9:45am – 11:15am **Concurrent Sessions**

Multidisciplinary Symposium – Methodological Advances In Motor Learning And Development (Crystal C)

Organizer: Keith Lohse, University of Utah

Moderator: Karl Newell, University of Georgia

Longitudinal data-analysis techniques in motor learning and development: A focus on time-varying covariates

Keith Lohse, University of Utah

Dissociating learning- and non-learning-related performance changes during motor skill training in older adults

Sydney Schaefer, Peiyuan Wang, Arizona State University; Nicolas Schweighofer, University of Southern California

The strengths and limitations of linear mixed-effects models to explore developmental relationships between the brain and cognitive-motor behavior

Genevieve Olivier, University of Utah; Serence Paul, University of Sydney, Australia; Keith Lohse, University of Utah; Christopher Walter, University of Arkansas for Medical Science; Sydney Schaefer, Arizona State University; Lee Dibble, University of Utah

The strengths and limitations of linear mixed effects models to explore developmental relationships between the brain and cognitive-motor behavior

Melissa Pangelinan, Auburn University

Sport and Exercise Psychology Verbal Presentations – Burnout, Fatigue, and Resilience (Crystal B)

Moderator: Ian David Boardley, University of Birmingham, UK

- 9:45 **Exploring early sport specialization: Associations with athlete burnout**
Shelby Waldron, J.D. DeFreese, Brian Pietrosimone, Johna Register-Mihalik, Nikki Barczak, University of North Carolina at Chapel Hill
- 10:00 **The overtraining trap: How physical fatigue impairs physical and mental recovery**
Yannick Balk, Eindhoven University of Technology, The Netherlands; Jan De Jonge, Eindhoven University of Technology, The Netherlands; Sabine Geurts, Radboud University Nijmegen, The Netherlands
- 10:15 **Linear and nonlinear trajectories of athlete resilience during competitive training**
Nikki Barczak, University of North Carolina at Chapel Hill; J.D. DeFreese, University of North Carolina at Chapel Hill; Emily Kroshus, University of Washington; Johna Register-Mihalik, University of North Carolina at Chapel Hill; Shelby Waldron, University of North Carolina at Chapel Hill
- 10:30 **Effects of mental fatigue and incentives on exercise decision-making**
Sheereen Harris, Steven R. Bray, McMaster University
- 10:45 **Overcoming the effects of mental fatigue on physical activity with performance monitoring**
Denver Brown, Steven Bray, McMaster University
- 11:00 **Prospective examination of social identity, mental toughness, and overuse injury, and development of the test of intentions to reduce effort**
Vista Beasley, University of Stirling, UK; Calum Arthur, University of Stirling, UK; Robert Eklund, Florida State University; Pete Coffee, University of Stirling, UK

Motor Learning and Control Verbal Presentations – Attentional Focus Effects (Crystal A)

Moderator: Nick Murray, East Carolina University

- 9:45 **Attentional focus effects on the performance of a continuous whole-body task with object manipulation**
Kaylee Couvillion, Jeffrey Fairbrother, University of Tennessee
- 10:00 **Comparison of attentional focus instructions on mechanics in a gross motor skill performance and landing quality**
Masahiro Yamada, Louisa Raisbeck, University of North Carolina at Greensboro
- 10:15 **The presence of vision impacts attentional focus effects in a balancing task**
Kevin A Becker, Scott WT McNamara, Texas Woman's University
- 10:30 **Optimizing vertical jump performance**
Lee-Kuen Chua, University of Nevada; Gabriele Wulf, University of Nevada; Rebecca Lewthwaite, Rancho Los Amigos National Rehabilitation Center
- 10:45 **The role of distality on single leg stance**
Karen Roemer, Central Washington University; Elizabeth Jusko, Central Washington University; Christian Kupper, University of Muenster, Germany; Karen Zentgraf, Goethe University Frankfurt, Germany
- 11:00 **The effects of attentional focus on jump kinematics for those with chronic ankle instability**
Sean Cochran, University of North Carolina at Greensboro; Masahiro Yamada, University of North Carolina at Greensboro; Jed Diekfuss, Cincinnati Children's Hospital; Louisa Raisbeck, University of North Carolina at Greensboro

Motor Development Symposium – Cross-cultural comparisons of perceived and motor competence and health-related fitness in children and adolescents with and without disabilities (Crestone B)

Organizers: Carlos Luz, Instituto Politécnico de Lisboa, Portugal; David Stodden, University of South Carolina

Moderator: Anastasia Kyvelidou, Creighton University

Symposium overview

Carlos Luz, Instituto Politécnico de Lisboa, Portugal; David Stodden, University of South Carolina

A cross-cultural comparison of motor competence and health related fitness variables between Portuguese and American children

Carlos Luz, Instituto Politécnico de Lisboa & CIED, Portugal; Rita Cordovil, Universidade de Lisboa, Portugal; Luís Paulo Rodrigues, Instituto Politécnico de Viana do Castelo, Portugal; Zan Gao, University of Minnesota; Jacqueline Goodway, Ohio State University; Ryan Sacko, Ohio State University; Danielle Nesbitt, University of South Carolina; Rick Ferkel, Central Michigan University; Larissa True, State University of New York at Cortland; David F. Stodden, University of South Carolina

Cross-cultural differences in children' motor competence are accumulating along the age and in the interaction of body weight status

Vitor Lopes, Polytechnic Institute of Braganca, Portugal; Arto Laukkanen, University of Jyväskylä, Finland; Farid Bardid, University of Strathclyde, Scotland; Matthieu Lenoir, University of Ghent, Belgium; Tommi Vasankari, Pauliina Husu, UKK-Institute, Finland; Arja Sääkilahti, University of Jyväskylä, Finland

Is STS time a context-independent measurement for motor competence? A cross country comparison study (Brazil-US)

Danielle Nesbitt, University of South Carolina; Maria T. Cattuzzo, University of Pernambuco, Brazil; David F. Stodden, University of South Carolina

A cross-cultural comparison of Australian and Belgian female adolescents' actual and perceived motor competence

Natalie Lander, Deakin University, Australia; An De Meester, Ghent University, Belgium; Lisa Barnett, Deakin University, Australia

Predictors of physical activity among Latvian and US children/adolescents with visual impairments

Ali Brian, University of South Carolina;; An De Meester, Ghent University, Belgium; Aija Klavina, Latvian Academy of Sports Education Riga, Latvia; Sally Taunton, Adam Pennell, J. Megan Irwin, University of South Carolina; Lauren J. Lieberman, State University of New York at Brockport

11:30am-12:30pm Motor Learning and Control Keynote Lecture (Crystal Ballroom)

Moderator: Jeffrey Fairbrother, University of Tennessee

Faster than a blink of an eye: The use of sensory feedback to control how we move and interact in the world

Stephen H. Scott, Queen's University

12:30pm – 2:00pm Conference Participants - Lunch on your own

12:30pm – 2:00pm Executive Committee Lunch Meeting (Rexford - 3rd Floor)

2:00pm – 3:00pm Sport and Exercise Psychology Keynote Lecture (Crystal Ballroom)

Moderator: Anne Cox, Washington State University

Competition and achievement-relevant outcomes: A hierarchical motivational analysis

Andrew J. Elliot, University of Rochester

3:00pm – 3:15pm Break

3:15pm – 3:45pm Concurrent Sessions

Sport and Exercise Psychology Verbal Presentations – Emotion (Crystal C)

Moderator: E. Whitney G. Moore, Wayne State University

- 3:15 Athletes' self-compassion, emotion regulation, and pre-competition appraisals and emotions**
Amber Mosewich, University of Alberta; Kacey Neely, University of Alberta; Shannon Pynn, University of Alberta; Benjamin Schellenberg, University of Ottawa
- 3:30 Hold your strength! - The influence of motivation, attention and emotion on self-control performance**
Eva Stocker, Chris Englert, Roland Seiler, University of Bern, Switzerland
- 3:45 Acute aerobic exercise improves emotion regulation: Evidence from the late positive potential**
Peter Ehmann, Christopher Brush, Anthony Bocchine, Brandon Alderman, Rutgers University
- 4:00 Exploring emotions as proximal predictors of physical activity and sedentary behavior in college students**
Kelly Simonton, Alex Garn, Louisiana State University
- 4:15 The Impact of Partner Performance on Emotions in Doubles Racquet Sports**
Sarah Deck, The University of Western Ontario; Craig Hall, The University of Western Ontario; Philip M. Wilson, Brock University
- 4:30 Emotion regulation interventions adapted to athletes' emotional performance objectives: A multiple baseline single-subject study of 4 tennis players**
Francis Lapointe, Université du Québec à Trois-Rivières; Daniela Wiethaeuper, Université du Québec à Trois-Rivières

Sport and Exercise Psychology Verbal Presentations – Special Populations (Crystal B)

Moderator: Lindsay Kipp, Texas State University

- 3:15 Predictors of autonomous motivation for adolescents with visual impairments from the United States and Latvia: A cross-cultural examination**
Ali Brian, University of South Carolina; An De Meester, Ghent University, Belgium; Aija Klavina, Latvian Academy of Sports Education, Latvia; Sally Taunton, University of South Carolina; Adam Pennell, University of South Carolina; J. Megan Irwin, University of South Carolina; Lauren Lieberman, State University of New York at Brockport; Leen Haerens, Ghent University, Belgium
- 3:30 Sport commitment and psychological well-being in Chilean women athletes: Gender issues from the lens of intersectionality**
Alicia Romero Carrasco, Diego Portales University, Chile; Karina Cespedes, Colorado State University; Robert Brustad, University of Northern Colorado

- 3:45 **Motor abilities predict executive functions in pediatric cancer survivors: Results from the Brainfit study**
Valentin Benzing, University of Bern, Switzerland; Janine Spitzhüttl, University of Bern, Switzerland; Valerie Siegwart, University of Bern, Switzerland; Michael Grotzer, University Children's Hospital Zurich, Switzerland; Maja Steinlin, University of Bern, Switzerland; Kurt Leibundgut, University of Bern, Switzerland; Regula Everts, University of Bern, Switzerland; Mirko Schmidt, University of Bern, Switzerland
- 4:00 **A qualitative study exploring LGBTQ+ experiences with physical activity through a series of focus groups**
Shannon Sarah Christine Herrick, Lindsay Duncan, McGill University
- 4:15 **Understanding exercise challenges & solutions for older adults aging with a mobility impairment**
Lyndsie Koon, Maurita Harris, Wendy Rogers, University of Illinois Urbana-Champaign
- 4:30 **General and transgender-specific barriers to moderate-vigorous physical activity among transgender adults**
Kelly C. Hall, University of Northern Colorado; Danielle R. Brittain, University of Northern Colorado; Miranda A. Cary, University of Saskatchewan; Nancy C. Gyurcsirk, University of Saskatchewan; Gillian Epp, University of Saskatchewan

Motor Learning and Control Verbal Presentations – Balance and Posture (Crystal A)

Moderator: Deanna Kennedy, Texas A&M University

- 3:15 **An investigation into the relationship between locomotor dynamics and overall fall-risk**
Brian Cone, University of North Carolina at Greensboro; Thurmon Lockhart, Arizona State University; Louisa Raisbeck, University of North Carolina at Greensboro; Scott Ross, University of North Carolina at Greensboro; Christopher Rhea, University of North Carolina at Greensboro
- 3:30 **Postural strategies when performing a manual task on an unstable support surface**
Hoda Salsabili, Satyajit Ambike, Marissa Munoz-Ruiz, Jeffrey M Haddad, Purdue University
- 3:45 **Saccades attenuate body sway despite muscular fatigue negatively influencing proprioception**
Matthew A. Yeomans, Arnold G. Nelson, Michael MacLellan, Emily M. Cooper, Jan M. Hondzinski, Louisiana State University
- 4:00 **Altering task goal or adding information resources? Functions of vision in standing posture**
I-Chieh Lee, University of Georgia; Matheus Pacheco, New York University; Karl Newell, University of Georgia
- 4:15 **The utility of the pre-crastination phenomenon to explain behaviours during a collision avoidance task**
Michael Cinelli, Victoria Rapos, Natalie Snyder, Wilfrid Laurier University
- 4:30 **Comparison of vestibular function in sitting and standing**
Jennifer Sansom, Central Michigan University; Allison Zilch, University of Michigan; Karen Lomond, Central Michigan University

Motor Development Verbal Presentations – Relation Between Cognitive and Motor Skills (Crestone B)

Moderator: Laura Claxton, Purdue University

- 3:15 **Cognitive planning improved after cycling exercise in older adults with Down syndrome**
Shannon Ringenbach, Nathaniel Arnold, Corinna Lopez, Simon Holzapfel, Liliana Rodriguez, Arizona State University

- 3:30 **IQ and comorbidities influence psychological attributes and anxiety in children with Developmental Coordination Disorder**
Priscila Caçola, Ricardo Pimenta, University of Texas at Arlington
- 3:45 **Improving fitness, executive functions, and perceived competence through an adapted gymnastics program of children with developmental disabilities**
Claire Bridges, Melissa Pangelinan, Mary Rudisill, Auburn University
- 4:00 **Different and nuanced patterns of improvement in cognitive and motor functions in preschool children following a mastery motor skill intervention**
Julia Sassi, Jerraco Johnson, Brooke Converse, Madison Edwards, Danielle Wadsworth, Mary Rudisill, Melissa Pangelinan, Auburn University
- 4:15 **Associations between gross motor skills and cognitive development in Australian toddlers**
Sanne L. C. Veldman, Rute Santos, Rachel A Jones, Eduarda Sousa-Sa, Anthony D Okely, University of Wollongong, Australia
- 4:30 **From Wall Street to expertise development: Predicting the rise and demise of talent investment by using machine learning to identify 'game-changers'**
Benjamin David Jones, Bangor University, UK; Lew Hardy, Bangor University, UK; Gavin Peter Lawrence, Bangor University, UK; Ludmila Kuncheva, Bangor University, UK; Thomas Du Preez, Bangor University, UK; Raphael Brandon, The England & Wales Cricket Board, UK

4:45pm – 6:15pm Poster Session #3 (3rd Floor Lobby)

Moderators: Chris Aiken, New Mexico State University
Arya Alami, California State University, Stanislaus
Amanda Arnold, Purdue University
Erica Bennett, University of British Columbia

See Pages 39-44 of this conference program for a list of the posters. Please set up posters by Noon. If you have an odd-numbered poster, please stand at your poster for the first hour. If you have an even-numbered poster, please stand at your poster for the second hour.

7:00pm NASPSPA Banquet (Off-Site at the Performing Arts Center)

7:00pm – 7:45pm Cocktails

8:00pm Dinner (Dancing will follow dinner)

Poster Session #1 – Thursday, June 21st, 2018

Motor Development

1. **Effect of object manipulation skills (OMS) intervention on perceived competence among elementary school girls**
Diala Ammar, Mount Royal University; Dwayne Sheehan, Mount Royal University; Sonia Sheehan, Foundations for the Future Charter Academy
2. **Fundamental motor skill proficiency of young adolescents**
Cheryl Coker, Plymouth State University
3. **Association between product-oriented motor competence and perceived competence in adolescence**
Danielle Nesbitt, University of South Carolina; An De Meester, Ghent University, Belgium; David Stodden, University of South Carolina
4. **Relationship between actual and perceived motor competence, gender and BMI in adults**
Karla Chaves, Judith Jimenez, Universidad de Costa Rica, Costa Rica
5. **Climbing onto the mountain of motor development: Can summer success help children's fundamental motor skill status?**
Jacqueline Goodway, Ohio State University; Ruri Famelia, Ohio State University; Emi Tsuda, West Virginia University; Ally Hodges, Ohio State University; Ruth Chen, Ohio State University
6. **Gross motor proficiency of 4 to 15-year-old Canadian children in Calgary, Alberta**
Dwayne Sheehan, Diala Ammar, Mount Royal University
7. **The design, development and study protocol of Project FLAME - A multi-component, school-based, movement intervention in Ireland.**
Diarmuid Lester, Wesley O' Brien, University College Cork, Ireland
8. **The relationship between children's and adolescents' actual and self-perceived motor competence: A systematic review and meta-analysis**
An De Meester, Ghent University, Belgium; Lisa Barnett, Deakin University, Australia; Ali Brian, University of South Carolina; Megan Irwin, University of South Carolina; Femke Van Duyse, Ghent University, Belgium; David Stodden, University of South Carolina; Eva D'Hondt, Vrije Universiteit Brussel, Belgium; Judith Jimenez, University of Costa Rica, Costa Rica; Leah Robinson, University of Michigan; Matthieu Lenoir, Ghent University, Belgium; Leen Haerens, Ghent University, Belgium
9. **Estimation of typical duration of infant activities across a full day**
Avi Borad, Ivan Trujillo-Priego, Marcelo Rosales, Beth Smith, University of Southern California
10. **Self-touch: The origin of reaching emergence in infancy**
John P. Connell, Abigail DiMercurio, Matthew Clark, Daniela Corbetta, University of Tennessee
11. **Unlocking the potential of infant motor and perceptual behavior: Data collections at home**
Anastasia Kyvelidou, Creighton University

12. **Neural oscillatory activity in the motor cortices correlates with developmental age and motor performance**
Rashelle Hoffman, Max Kurz, Tony Wilson, University of Nebraska Medical Center
13. **Getting Ireland's children moving: Examining fundamental movement skills in Irish school children as a key component for physical literacy**
Stephen Behan, Sarahjane Belton, Cameron Peers, Noel O'Connor, Johann Issartel, Dublin City University, Ireland
14. **Comparison of unipedal balance performance in young male soccer players: Role of age and balance task condition**
Stephan Panzer, Saarland University, Germany; Peter Leinen, Saarland University, Germany; Thomas Muehlbauer, University of Duisburg-Essen, Germany
15. **Differences in physical performance and physical activity among students participating in organized sports**
Kasper Salin, Mikko Huhtiniemi, Timo Jaakkola, University of Jyväskylä, Finland

Motor Learning and Control

16. **The effects of using attentional focus in a virtual reality environment**
Louisa D Raisbeck, University of North Carolina Greensboro; Masahiro Yamada, The University of North Carolina Greensboro; Nikita A Kuznetsov, Louisiana State University
17. **The impact of autonomy of support on attentional focus during instruction in balance tasks**
Mackenzie Pierson, Masa Yamada, Louisa Raisbeck, University of North Carolina at Greensboro
18. **The influence of attentional focus instructions on the learning of a balance task in individuals with visual impairments**
Reza Abdollahipour, Palacky University Olomouc, Czech Republic.; William Land, University of Texas at San Antonio; Ana Cereser, Federal University of Pelotas, Brazil; Suzete Chiviacowsky, Federal University of Pelotas, Brazil
19. **The effect of attentional focus instruction on mechanics and performance**
Masahiro Yamada, Louisa Raisbeck, University of North Carolina at Greensboro
20. **Effect of attentional focus in track sprint start**
Jie Song, Kuo-Liang Chuang, Yeou-Teh Liu, National Taiwan Normal University, Taiwan
21. **Considering the effect of process and outcome oriented attentional focus cues**
Kevin A Becker, Nick A Levine, Emily D Herbst, Texas Woman's University
22. **Gait, executive function, and falling in older adults**
Tyler K. Aisner, Louisiana State University; Matthew R. Calamia, Louisiana State University; Jeffrey N. Keller, Pennington Biomedical Research Center; Robert M. Brouillette, Pennington Biomedical Research Center; Arend W. A. Van Gemmert, Louisiana State University
23. **Analysis of gait while overcoming an obstacle in exercise practicing and non-practicing elderly**
Raquel de Melo Martins, Thiago Viana Camata, Bruno José Frederico Pimenta, Inara Marques, Universidade Estadual de Londrina, Brazil
24. **Fractal gait training in older adults with auditory and visual cues**
Ruth Stout, W.P. Carder, Christopher Rhea, University of North Carolina at Greensboro

25. **Avoidance behaviours of young adults during a collision course with an approaching person**
Lana Pfaff, Michael Cinelli, Wilfrid Laurier University
26. **Performing a visual-motor stone-stepping task on a hard and compliant surface: Effect on balance and target accuracy**
Nikki Aitchison-Huehn, Wilfrid Laurier University
27. **Effect of fatigue on a smartphone-based measure of dynamic balance control**
Jordan Stafford, Jason Jakiela, Danielle Funk, Scott Ross, Louisa Raisbeck, Christopher Rhea, University of North Carolina at Greensboro
28. **Discovering new methods for improving balance over varied conditions**
Diana Avans, Nicole Dunn, Michael Merryman, Jason Hoogsteen, Vanguard University of Southern California
29. **Comparison of postural stability of college students with and without Autism Spectrum Disorder**
Teri Todd, California State University, Northridge; Mache Meissa, California State University, Chico; Kyle Geary, California State University, Northridge; Brian Rios, California State University, Northridge; Michael Salazar, California State University, Northridge; Danielle Jarvis, California State University, Northridge
30. **A constraints-based approach to influencing kinematics of the golf swing: Implications for instruction**
Will Wu, Long Beach State University; Terry Rowles, Sports Performance University; Phil Cheetham, United States Olympic Committee; Sasho Mackenzie, St. Francis Xavier University; Mike Adams, Bioswing Dynamics
31. **Contextual interference effect on acquisition and transfer in fundamental motor skills in young-adults**
Judith Jimenez, University of Costa Rica, Costa Rica; Maria Morera, National University of Costa Rica, Costa Rica
32. **Gradually increased contextual interference enhances learning of tennis by novices**
Fengmin Zhang, Minzu University of China, Beijing, China
33. **The effect of outcome estimation specificity on motor practice**
William Marshall Land, Sonny Garcia, Alberto Cordova, Wan Xiang Yao, University of Texas at San Antonio
34. **Relatedness affects dopaminergic activity and motor learning**
Suzete Chiviakowsky, Universidade Federal de Pelotas, Brazil; Natália Harter, Universidade Federal de Pelotas, Brazil; Reza Abdollahipour, Palacky University Olomouc, Czech Republic
35. **Learner-controlled pace of practice in isolation does not yield the self-control effect**
Phillip G. Post, Christopher A. Aiken, Michael C. Hout, Jessica Madrid, New Mexico State University
36. **Varying self-controlled frequency of modeling schedules does not affect scores on cognitive representation assessments of a pirouette**
Laura St. Germain, Molly Brilling, Hilary Cotnam, Diane M. Ste-Marie, University of Ottawa
37. **Learner controlled amount of practice with fixed inter-trial interval benefits learning**
Christopher A. Aiken, Phillip G. Post, Michael C. Hout, Jessica Madrid, New Mexico State University
38. **Evaluation of feedback helpfulness enhances skill acquisition during yoked feedback condition**
Joao A. C. Barros, California State University Fullerton; Erika G. Mora, Louisiana State University; Elia Garcia, California State University Fullerton; Elia Chavez, California State University Fullerton; Robert Blackwood, California State University Fullerton

39. **Do you see what I see? Neuroactivity breadth and depth differentiate good movement imagers from those self-reporting lower abilities**
Brian Seiler, Charleston Southern University; Roger Newman-Norlund, University of South Carolina; Ryan Sacko, University of South Carolina; Samantha R. Weber, University of South Carolina; Makayla Gibson, University of South Carolina; Eva V. Monsma, University of South Carolina
40. **Local muscle fatigue increases motor time in fractionated reaction time**
Zongtao Li, Qufu Normal University, China; Qin Lai, Wayne State University, Usa; Jinhai Sun, Shandong University, China
41. **Effects of muscle size and sex on fractionated reaction time**
Ronald Benedict, Union College; Qin Lai, Wayne State University
42. **The effect of movement complexity and limb selection on the performance of an audiovisual choice reaction time task**
McKenna JM Brown, University of Manitoba; Jessica Sutton, University of Manitoba; Ilana D Naiman, University of Toronto; Cheryl M Glazebrook, University of Manitoba
43. **Discrimination reaction time and decision making**
Kaitlyn Downing, Emma Chase, Yuhua Li, University of Memphis
44. **The effect of exercise on a choice reaction task in an athletic population**
Jaime Mitchell, Michael Cinelli, Wilfrid Laurier University

Sport and Exercise Psychology

45. **Exploring the role of trait characteristics underlying variable affective responses to exercise**
Leighton Jones, Sheffield Hallam University, UK; Jasmin Hutchinson, Springfield College; Elizabeth Mullin, Springfield College
46. **Perceptions of exertion and affect during different physical and sedentary activities in children**
Chloe Bedard, McMaster University; Emily Bremer, McMaster University; Jeffrey D. Graham, McMaster University; Daniele, University of Ottawa Heart Institute; John Cairney, University of Toronto
47. **Attentional focus manipulations on affective, exertional, and physiological responses to maximal exercise**
Kristina Muniz, Rutgers University; Christopher Brush, Rutgers University; Peter Ehmann, Rutgers University; Ryan Olson, University of North Texas; Anthony Bocchine Rutgers University; Brandon Alderman, Rutgers University
48. **Nudging beyond the default: Prompting exercisers to increase pleasure and enjoyment increases experienced and remembered pleasure and enjoyment**
Zachary Zenko, Duke University; Rachel Kahn, Duke University; Jasmin Hutchinson, Springfield College; Leighton Jones, Sheffield Hallam University
49. **Obesity and cardiovascular fitness are associated with executive function in young adults**
Tai-Fen Song, Feng-Tzu Chen, Chien-Heng Chu, Yu-Kai Chang, National Taiwan Sport University, Taiwan
50. **Examining associations between affective states and physiological responses before, during, and after competitive cycling time trials**
Paul Anthony Davis, Umeå University, Sweden; Andreas Stenling, Umeå University, Sweden

51. **Aging, men, and body image: How men aged 65+ perceive, experience, and manage their aging bodies**
Erica Bennett, Laura Hurd Clarke, Peter Crocker, The University of British Columbia
52. **Shifting the mirror: Meta-perceptions, body image and objectification predict social physique anxiety-- and clothing matters.**
Eva V. Monsma, Rachel Burns, Mall Cassandra, University of South Carolina
53. **Multidimensional associations of drive for muscularity in adult men**
Nick SantaBarbara, Sanaz Nosrat, James Whitworth, Mark Louie, Chris Webster, Joseph Ciccolo, Teachers College Columbia University
54. **The muscular ideal: Measuring muscle dysmorphia in weightlifters and athletes**
Diana Avans, Rebecca Folkesson, Sierra Starke, Vanguard University of Southern California
55. **Effects of self-control exertion on mental fatigue and perceived exertion during whole-body exercise**
Jason Langvee, Sheereen Harris, Denver Brown, Steven Bray, McMaster University
56. **Self-control, social support, and burnout among collegiate athletes: A prospective analysis**
Jessie N. Stapleton, Missouri Baptist University; Molly V. Josephs, Southern Illinois University Edwardsville; Paul D. Saville, Azusa Pacific University
57. **Perceived coaching behaviors and athlete burnout: The mediating effects of team communication and the coach-athlete relationship**
Hun-Hyuk Choi, Korean National University of Education, South Korea; Yong-Jin Yoon, Yonsei University, South Korea; Seongkwan Cho, Texas A&M International University; Jung-Taek Shin, Dong-eui University, South Korea
58. **Why specialize? Impact of athletes' reasons for specializing on psychological outcomes**
Shelby Waldron, J.D. DeFreese, Brian Pietrosimone, Johna Register-Mihalik, Nikki Barczak, University of North Carolina at Chapel Hill
59. **Moral disengagement during injury evaluations among National Collegiate Athletic Association (NCAA) athletic trainers**
Ross Budziszewski, Utah State University; Matthew Vierimaa, Utah State University; Scott Graupensperger, The Pennsylvania State University; Marcus Myers, Utah State University
60. **Influences of nonverbal behavior on outcome expectations and performance outcomes in a real-world soccer penalty scenario**
Kirstin Seiler, University of Bern, Switzerland; Geoffrey Schweizer, University of Heidelberg, Germany; Roland Seiler, University of Bern, Switzerland
61. **The effect of non-verbal behavior and game context on expectations of success and psychological attributes**
Mishka Blacker, Parmida Razavi, Philip Sullivan, Brock University
62. **Group-based physical activity for older adults: Functional fitness and physical health outcomes in a randomized controlled trial**
Geralyn R. Ruissen, University of British Columbia; Samantha M. Harden, Virginia Tech; Svenja A. Wolf, University of Amsterdam, The Netherlands; A. William Sheel, University of British Columbia; Ryan E. Rhodes, University of Victoria; Paul A. Estabrooks, University of Nebraska; William L. Dunlop, University of California, Riverside; Yan Liu, University of British Columbia; Mark R. Beauchamp, University of British Columbia

63. **Coaching climate, needs satisfaction, and personal and social responsibility among young soccer participants**
Lindsay Kipp, Texas State University; Nicole Bolter, San Francisco State University
64. **Moving Well-Being Well: Evidence and background to the development of the MWBW physical literacy intervention for primary school children**
Cameron Peers, Sarahjane Belton, Stephen Behan, Noel O'Connor, Johann Issartel, Dublin City University, Ireland
65. **'Gaelic4Girls' for increased physical activity participation - a multi-component, pilot intervention: Study design and protocol.**
Orlagh Farmer, Wesley O'Brien, University College Cork, Ireland
66. **Influence of a running training program on exercise self-regulation beliefs**
Teri Hepler, Naoko Aminaka, University of Wisconsin-La Crosse
67. **Experiences of peers and peer-mentors during a peer-mentor physical activity program for college students with Autism Spectrum Disorder**
Teri Todd, Nancy Miodrag, Monica Caris, Bordin Endinjok, Erick Perez, California State University, Northridge
68. **Differences in character strengths use and associations with optimal functioning across contexts**
Cheryl Stuntz, St. Lawrence University
69. **Investigating birthplace effects in US collegiate and professional men's basketball**
Matthew Vierimaa, Utah State University; David John Hancock, Indiana University Kokomo; Ross Budziszewski, Utah State University
70. **Gender differences in Division II collegiate athletes' dietary supplement use, sources of information, and motivations to use dietary supplements**
Ariel Fralick, Robyn Braun, University of Texas of the Permian Basin
71. **The component factors of decision making ability in open skill players**
Haruo Sakuma, Ritsumeikan University, Japan; Keiko Honji, Amateur Sports Association, Japan
72. **Exploring the relationship between aerobic fitness and activation of the locus-coeruleus**
Madison C. Chandler, Amanda L. McGowan, Jan W. Brascamp, Matthew B. Pontifex, Michigan State University
73. **A longitudinal investigation of athletic buoyancy and emotions in university club-sport athletes**
Jackie V. Calhoun, Alex C. Garn, Louisiana State University
74. **Performance and learning of a visual-motor tracking task as a function of motivational orientation and motivational climate**
Cameron Olsen, Breanna Studenka, Travis Dorsch, Ross Budziszewski, Matthew Vierimaa, Richard Gordin, Utah State University
75. **The effects of perceptual and cognitive interference during the preparation and execution of the golf swing**
Leo Roberts, Mervyn Jackson, Ian Grundy, RMIT, Australia
76. **The relationship between intrinsic and extrinsic religion and competitive anxiety**
Amanda Clark, Leilani Madrigal, Alison Ede, Tiffanye Vargas, California State University Long Beach

77. **Fun, failure, and fulfillment: A case study approach to informal athlete leadership in minor league baseball**
Philip D. Imholte, Springfield College; Jedediah E. Blanton, University of Tennessee; Michelle M. McAlarnen, Minnesota State University, Mankato
78. **Selective predictors of competitive state anxiety dimensions during high stakes in elite competition**
John Elvis Hagan Jr., Dietmar Pollmann, Schack Thomas, Bielefeld University, Germany
79. **The roles of contextual priors and kinematic information during anticipation: Toward a Bayesian integration model**
N. Viktor Gredin, Brunel University London, UK; Daniel T. Bishop, Brunel University London, UK; David P. Broadbent, Brunel University London, UK; A. Mark Williams, University of Utah
80. **Training histories and developmental trajectories of Australian para table tennis athletes**
Nima Dehghansai, York University; Ross Pinder, Australian Paralympic Committee, Australia; Joseph Baker, York University
81. **Does recess quality matter? Differences in physical activity, student engagement, and student perceptions**
William Massey, Oregon State University; Megan Stellino, University of Northern Colorado; Jeremy Gorgas, University of Wisconsin-Milwaukee
82. **Consistency of maintaining physical activity guidelines as a predictor of health-related quality of life**
Navin Kaushal, Béatrice Bérubé, Louis Bherer, University of Montreal
83. **Comparing accelerometry and self-report when measuring changes to sedentary behavior in the workplace**
Dwayne Sheehan, Mount Royal University; Emily Johnson, University of British Columbia; Diala Ammar, Mount Royal University
84. **The psychological and physiological effects of completing a half-marathon on homeless individuals**
Christopher Patterson, Azusa Pacific University; Andrew Kim, Azusa Pacific University; Noha Daher, Loma Linda University
85. **Trait mindfulness as a moderator of green exercise and attention restoration**
Ford Dyke, Jence Rhoads, Tristan Hall, Matthew Miller, Auburn University
86. **Having chronic pain and trying to be active: Is resiliency related to differences in adherence-related psychosocial factors and physical activity?**
Miranda Cary, University of Saskatchewan; Danielle Brittain, Colorado School of Public Health at the University of Northern Colorado; Nancy Gyurcsik, University of Saskatchewan
87. **An investigation of Canadian University sport coaches' awareness and use of motivational interviewing**
Colin M Wierts, University of British Columbia; Philip M Wilson, Brock University; Diane E Mack, Brock University
88. **Exploring the relationship between athletes' self-compassion and perceptions of their teammates' self-compassion**
Alyson J. Crozier, University of South Australia, Australia; Amber D. Mosewich, University of Alberta; Leah J. Ferguson, University of Saskatchewan
89. **Proposed sources of coaching efficacy: A meta-analysis**
Sung Eun Park, University of Miami; Nicholas Myers, Michigan State University; Soyeon Ahn, University of Miami; Seungmin Lee, Michigan State University; Philip Sullivan, Brock University; Deborah Feltz, Michigan State University

90. **Examining the factor structure of a survey of adult-oriented coaching practices**
Bettina Callary, Cape Breton University; Scott Rathwell, University of Lethbridge; Bradley W Young, University of Ottawa
91. **Mental health literacy in university coaches and athletic therapists**
Jessica Murphy, Philip Sullivan, Brock University
92. **Mental and physical health factors influence exercise-induced cortisol responses in college students**
Robyn Feiss, Cody Haun, Danielle Wadsworth, Melissa Pangelinan, Auburn University
93. **Investigating collegiate student-athlete well-being: A qualitative study**
Brian Souza, Framingham State University; David Schary, Winthrop University
94. **Examining the overall wellness of college student-athletes**
Shane Warehime, Danae Dinkel, University of Nebraska at Omaha
95. **The association among dispositional mindfulness, mental skill, flow and performance**
Jui-Ti Nien, Chih-Han Wu, Sheng-Hsien Feng, Wen-Hao Chiu, Yu-Kai Chang, National Taiwan Sport University, Taiwan

Poster Session #2 – Friday, June 22nd, 2018

Motor Development

1. **Dimension identification and item reduction in the ALESA: A pilot study in female youth athletes**
Sz-Yan Wu, Christie Powell, Jody Jensen, University of Texas at Austin
2. **Analysis of children's preference on two assessments of perceived motor competence**
Kara K. Palmer, Carissa Wengrovius, Indica Sur, Leah E. Robinson, University of Michigan
3. **Inter- and intra-rater reliability during live- and video-coding of the TGMD-3**
E. Andrew Pitchford, Iowa State University; Kara K. Palmer, University of Michigan; Yuemei Lu, University of Michigan; Kerry Winkelseth, University of Michigan; Dale A. Ulrich, University of Michigan
4. **Comparison of preschoolers' PA between hip and ankle accelerometry: A pilot study**
Katherine M. Chinn, Kara K. Palmer, Leah E. Robinson, University of Michigan
5. **Physical activity during different physical education instruction environments**
Sanne LC Veldman, Katherine Q Andrews, Leah E Robinson, University of Michigan
6. **Concurrent validity of total body developmental sequences: A preliminary investigation**
Jenna R. Fisher, University of South Carolina; Ali Brian, University of South Carolina; Sally Taunton, University of South Carolina; Ryan S. Sacko, University of South Carolina; Jacqueline D. Goodway, Ohio State University; Rick Ferkel, Central Michigan University; Larissa True, State University of New York Cortland; David F. Stodden, University of South Carolina
7. **Psychometrics of the attitudes toward self-directed mobility scale**
Samuel W. Logan, Oregon State University; Kathleen R. Bogart, Oregon State University; Samantha M. Ross, Oregon State University; Heather A. Feldner, University of Washington; Christina M. Hospodar, Oregon State University; Michele Catena, Oregon State University; Samantha Ligman, Oregon State University
8. **Surveying caregivers about device use and infant position using a smartphone-based application: Response rates from a pilot study**
Marcelo Rosales, University of Southern California; Tanya Tripathi, Virginia Commonwealth University; Stacey Dusing, Virginia Commonwealth University; Beth Smith, University of Southern California
9. **A comparison of sleep behavior, physical activity, feeding, and weight in 6-month old infants**
Gabriela Zott, Isabella Felzer-Kim, Chelsea Adkins, Janet Hauck, Michigan State University
10. **Effects of socioeconomic status on infants' motor development and physical activity**
Do Kyeong Lee, California State University Fullerton
11. **Physical activity participation during preschool health-related summer camps**
Zadie I. Franklin, Angela Barnes, E. Kipling Webster, Louisiana State University

12. **Reduction of deltoid co-contraction during the development of arm swing control in children: Preliminary results**
Michael MacLellan, Lauren Carriere, Louisiana State University
13. **The ability of the Movement Assessment for Children to predict fine and gross motor development in children at a five and a half year follow up**
Lauren Christianson, Brady Houbrick, Elizabeth Peterson, Joe Weber, Julia Looper, Lynette Chandler, University of Puget Sound
14. **Pupil dilation, motor imagery, and cognitive load**
Alberto Cordova, Elena Camargo, William Land, Wan Xiang Yao, University of Texas - San Antonio
15. **Validity and reliability of gross motor skill assessments in typically developing children and adolescents**
Ryan M. Hultheen, Australian Catholic University, Australia; Larissa True, State University of New York, Cortland; Natalie Lander, Deakin University, Australia; Lisa Barnett, Deakin University, Australia; Borja del Pozo Cruz, Australian Catholic University, Australia; Chris Lonsdale, Australian Catholic University, Australia

Motor Learning and Control

16. **Examining the impact of physical activity on motor proficiency and cognition in children with autism**
Choi Yeung Tse, Hong Paul Lee, K. H. Wong, The Education University of Hong Kong, China
17. **Reactive driving performance following stroke**
Victoria Zablocki, Colorado State University; Prakruti Patel, Colorado State University; Evangelos Christou, University of Florida; Neha Lodha, Colorado State University
18. **Are cognitive-motor integration deficits in children with concussion history linked to motor learning deficits?**
Marc Dalecki, Louisiana State University; Jessica Usand, Louisiana State University; Lauren Sergio, York University; Arend Van Gemmert, Louisiana State University
19. **Mental workload assessment during simulated upper extremity prosthetic performance under various conditions of cognitive and motor challenge**
Christopher Gaskins, University of Maryland; Kimberly L. Kontson, U.S. Food and Drug Administration; Emma P. Shaw, University of Maryland; Isabelle M. Shuggi, University of Maryland; Maria J. Ayoub, University of Maryland; Jeremy C. Rietschel, Veteran's Health Administration; Matthew W. Miller, Auburn University; Rodolphe J. Gentili, University of Maryland
20. **The state of behavior change techniques in virtual reality rehabilitation of neurologic populations: A systematic review**
Danielle Felsberg, Jaclyn Maher, Christopher Rhea, University of North Carolina at Greensboro
21. **Medication and trial duration affect posture and pointing during a standing repetitive pointing task in Parkinson's Disease**
Deborah Jehu, Oregon Health & Science University; Hiram Cantu, McGill University; Allen Hill, University of Ottawa; Caroline Paquette, McGill University; Julie Cote, McGill University; Julie Nantel, University of Ottawa
22. **Getting into the swing of things during childhood: A hand-eye coordination paradigm**
Johann Issartel, Dublin City University, Ireland; David Gaul, Institute of Technology Blanchardstown, Ireland

23. **Pre-crastination and procrastination effects appear in a reach-to-grasp task**
Jarrold Blinch, Zack Foster, Texas Tech University
24. **Upper limb muscle synergy for damping behavior during object transport in healthy young individuals**
Ahyoung Song, Louisiana State University; Sara Winges, University of Northern Colorado; Michael MacLellan, Louisiana State University
25. **Application of cross-recurrence quantification analysis to characterize finger entrainment during rhythmic tapping**
Sara A. Winges, University of Northern Colorado; Prasanna A. Acharya, Louisiana State University; Nikita A. Kuznetsov, Louisiana State University
26. **The effect of open and closed kinetic chain exercise on dynamic knee valgus during activity in women**
Kelsi Wood, University of Cincinnati; William Berg, Miami University; Nick Salcedo, Mercy Hospital; Mark Walsh, Miami University; Kelsey Biller, Ohio University
27. **Lower extremity coordination patterns between traditional and cluster training during back squat**
Kelci B. Hannan, Texas Christian University; John D. Mata, Texas Christian University; Jonathan M. Oliver, Texas Christian University; James M. Bothwell, Texas Health Ben Hogan Sports Medicine; Adam C. King, Texas Christian University
28. **Investigating the whole body coordination patterns of 3 ball juggling**
Pei-Yu Hsieh, Yi-Xuan Lin, Kuo-Liang Chuang, Yeou-Teh Liu, National Taiwan Normal University, Taiwan
29. **The role of actor vs observer in reciprocal upper extremity sine wave tracking**
Jason Boyle, University of Texas at El Paso; Deanna Kennedy, Texas A&M University; Fabricio Saucedo, University of Texas at El Paso; Patrick Cereceres, University of Texas at El Paso
30. **Random, timed and self-paced: How preparation time affects the loading of the body prior to flight in a two-footed forward leap**
Dorothy Stewart, Fabricio Saucedo, Patrick Cereceres, Jason Boyle, University of Texas at El Paso
31. **Characteristics of movement variability in time minimization tasks and time matching tasks**
Jui-Chun Fang, Tsung-Yu Hsieh, Ya-Chun Chen, Yeou-Teh Liu, National Taiwan Normal University, Taiwan
32. **Submovement as a function of space-time constraints in discrete aiming tasks**
Ya-Chun Chen, Tsung-Yu Hsieh, Jui-Chun Fang, Yeou-Teh Liu, National Taiwan Normal University, Taiwan
33. **Using joint entropy to discriminate between time matching and time minimization movement accuracy tasks**
Tsung-Yu Hsieh, National Taiwan Normal University, Taiwan; Yeou-Teh Liu, National Taiwan Normal University, Taiwan; Karl Newell, University of Georgia
34. **Posture control on movement variability in discrete line drawing task**
Hock Leong Chew, Yeou-Teh Liu, Tsung-Yu Hsieh, National Taiwan Normal University, Taiwan
35. **Upper selection in a preferential reaching task: The influence of lateralization and balance control**
Jessie Tucker, Michael Cinelli, Pamela Bryden, Wilfrid Laurier University

36. **Cortical correlates underlying changes in mental workload and motor performance during multiple training sessions under various levels of challenge**
Kyle Jaquess, University of Maryland; Li-Chuan Lo, University of Maryland; Hyuk Oh, University of Maryland; Calvin Lu, University of Maryland; Andrew Ginsberg, University of Maryland; Ying Ying Tan, Defense Science and Technology Agency, Singapore.; Keith Lohse, University of Utah; Matthew Miller, Auburn University; Bradley Hatfield, University of Maryland; Rodolphe Gentili, University of Maryland
37. **Evaluation of cerebral cortical networking as a measure of cognitive workload during dual-task walking under various levels of challenge**
Emma P. Shaw, University of Maryland; Jeremy C. Rietschel, Veteran's Health Administration; Isabelle M. Shuggi, University of Maryland; Yishi Xing, University of Maryland; Brad D. Hendershot, Walter Reed National Military Medical Center; Alison L. Pruziner, Walter Reed National Military Medical Center; Shuo Chen, University of Maryland School of Medicine; Matthew W. Miller, Auburn University; Bradley D. Hatfield, University of Maryland; Rodolphe J. Gentili, University of Maryland
38. **Changes in motor performance, mental workload, and self-efficacy throughout longitudinal training of arm reaching movements**
Isabelle M. Shuggi, University of Maryland; Emma P. Shaw, University of Maryland; Helena Wu, University of Maryland; Arianna Moreno, University of Maryland; Hyuk Oh, University of Maryland; Patricia A. Shewokis, Drexel University; Rodolphe J. Gentili, University of Maryland
39. **Look out! How do footballers' search for opponents during evasive tasks?**
Stephen Tidman, Jacqueline Alderson, Paul Bourke, Brendan Lay, University of Western Australia, Australia
40. **A virtual environment can be as good as a real one to improve real-world skill when hitting a ball**
David Mann, Maaike Dunnink, Robin Bense, Jeltje Loomans, Vrije Universiteit Amsterdam, Netherlands
41. **Testing the functionality of peripheral vision in a mixed-methods football field study**
Christian Vater, Lukas Magnaguagno, Ernst-Joachim Hossner, University of Bern, Germany
42. **Quiet eye and motor performance – Testing the “optimal duration” hypothesis**
André Klostermann, Ernst-Joachim Hossner, University of Bern, German
43. **Quiet eye duration is dependent on the margin for error: A field test of skilled rugby goal kickers**
Robin C. Jackson Will Bishop, Luke Jennings, Loughborough University, UK
44. **A Comparison of two techniques for obtaining 2-D error scores**
Ben Meyer, Shippensburg University

Sport and Exercise Psychology

45. **The effects of acute exercise on driving performance and executive functions in healthy older adults**
Jean-Charles Lebeau, Ball State University; Justin Mason, Florida State University; Nelson Roque, Florida State University; Selen Razon, West Chester University; Gershon Tenenbaum, Florida State University
46. **Effects of a 6-week classroom-based physical activity intervention on executive functioning and math performance in children**
Jeffrey Graham, McMaster University; Emily Bremer, McMaster University; John Cairney, University of Toronto
47. **When efficacy and enjoyment collide: Incorporating low-intensity exercise breaks into learning**
Michelle Ogrodnik, Barbara Fenesi, Brynley Hanson-Wright, Joe Kim, Jennifer Heisz, McMaster University

48. **Child affective and working memory responses to social exclusion differ by aerobic fitness level**
Anthony G. Delli Paoli, Manhattanville College; Alan L. Smith, Michigan State University; Matthew B. Pontifex, Michigan State University; Jason S. Moser, Michigan State University

49. **The relation of physical activity, aerobic fitness and cognitive function in HIV+ adolescents and young adults on ART**
Leapetswe Malete, Michigan State University; Dawn Tladi, University of Botswana, Botswana; Jennifer Etnier, University of North Carolina, Greensboro; Jerry Makhandia, Botswana Baylor Children's Clinical Centre of Excellence, Botswana; Gabriel Anabwani, Botswana Baylor Children's Clinical Centre of Excellence, Botswana; Charlene Compher, University of Pennsylvania

50. **Cycling as a means of improving inhibitory control and maintaining brain function and academic performance in 9- to 10-year-old children**
Caroline C. Meadows, University of North Carolina at Greensboro; Charles H. Hillman, Northeastern University; Eric S. Drollette, University of North Carolina at Greensboro

51. **Exercise types and white matter microstructure in older adults: A diffusion tensor imaging study**
Feng-Tzu Chen, Tai-Fen Song, Kao-Teng Yang, Chun-Chih Wang, Yu-Kai Chang, National Taiwan Sport University, Taiwan

52. **Exploring direct and indirect effects of motivational climate among university students in a group fitness setting**
Karynn Glover, E. Whitney G. Moore, Wayne State University

53. **Using ecological theory to predict sedentary behavior in inner-city middle school aged children**
Erin E. Snapp, Jeffrey J. Martin, E. Whitney G. Moore, Nate McCaughtry, Wayne State University

54. **Comparing exercise class ownership and autonomy support among university group exercise class participants**
E. Whitney G. Moore, Karynn Glover, Valerie Smith, Wayne State University

55. **Gender differences in college students' perceptions of motivational class climates, ownership, enjoyment, and empowerment in exercise**
Valerie Smith, E. Whitney G. Moore, Wayne State University

56. **The influences of physical self-perception and social relationship to intrinsic motivation for physical education**
Meei-Hwa Chern, National Changhua University of Education, Taiwan

57. **Testing the processes by which yoga may support physical activity motivation**
Anne Cox, Sarah Ullrich-French, Bruce Austin, Washington State University

58. **Using the Response to Challenge Scale (RCS) to measure self-regulation in toddlers during physically active play**
Kimberley Lakes, Candice Taylor Lucas, Shlomit Radom-Aizik, Fadia Haddad, Annamarie Stehli, Kayla Guzman, Dan Cooper, University of California, Irvine

59. **Efficacy of the fun for wellness online intervention to promote well-being actions**
Nicholas D. Myers, Michigan State University; Samantha Dietz, University of Miami; Isaac Prilleltensky, University of Miami; Ora Prilleltensky, University of Miami; Adam McMahon; Carolyn L. Rubenstein, University of Miami; Seungmin Lee, Michigan State University

60. **Gamification in healthcare and physical activity promotion contexts**
Winston Kennedy, Oregon State University; Anthony Pellicone, New York University; Samuel Logan, Oregon State University

61. **Stand up and drive! Using modified ride-on cars with different postures for enhancing mobility and socialization in children with disabilities**
Yu-Hsin Hsieh, Chang Gung University, Taiwan.

62. **I ride with MS: Motivation, benefits, and quality of life outcomes in bike MS participants with Multiple Sclerosis**
Kimberly Fasczewski, Blair Anderes, Katie Campbell, Hannah Cook, Appalachian State University

63. **Examining the impact of behavioral counselling on psychosocial mediators for physical activity among children with epilepsy**
Denver Brown, McMaster University; Nadilein Mahlberg, McMaster University; Daniela Pohl, Children's Hospital of Eastern Ontario; Brian Timmons, McMaster University; Steven Bray, McMaster University; David Streiner, McMaster University; Mark Ferro, University of Waterloo; Sabrina Hamer, Children's Hospital of Eastern Ontario Research Institute; Peter Rosenbaum, McMaster University; Gabriel Ronen, McMaster University

64. **Increasing physical activity levels among nurses through a web-based intervention: What type of motivation plays a role?**
Jennifer Brunet, Heather Tulloch, Emily Wolfe-Phillips, Robert Reid, Andrew Pipe, Jennifer Reed, University of Ottawa

65. **Affect school, virya yoga, and compassion-focused therapy: A pilot study of an integrative group treatment, depression and anxiety**
Markus Nyström, Umeå University, Sweden

66. **Psychosocial factors on the upper extremity reintegration into life after hemiparetic stroke – A pilot study**
Shuya Chen, China Medical University, Taiwan; Chi-Wen Shao, Taiwan; Ching-Min Lin, Asia University, Taiwan; Yu-Ting Kuo, Asia University, Taiwan; Chia-Ming Chie, China Medical University, Taiwan; Wen-Dien Chang, China Medical University, Taiwan

67. **Diversity in diversity research: A scoping review**
Michael Godfrey, Wilfrid Laurier University; Jeemin Kim, Wilfrid Laurier University; Manon Eleure, École Normale Supérieure de Rennes, France; Mark Eys, Wilfrid Laurier University

68. **Differences in pain coping cognitions among adults with chronic non-cancer pain who are inactive, insufficiently active, and sufficiently active**
Miranda Cary, Nancy Gyurcsik, University of Saskatchewan

69. **"A place where I belong:" The experiences of people with disabilities in a community-based dance class at Canada's Royal Winnipeg Ballet School**
Jacqueline C Ladwig, University of Manitoba; Cheryl M Glazebrook, University of Manitoba; Fiona Moola, University of Toronto

70. **The effects of colors on gaze behavior in soccer penalties**
Stijn Mentzel, University of Muenster, Germany; Till Utesch, University of Muenster, Germany; Linda Schücker, University of Muenster, Germany; Kilian Gottschalk, University of Muenster, Germany; Norbert Hagemann, University of Kassel, Germany; Bernd Strauss, University of Muenster, Germany

71. **A prospective study of skill development in elite soccer based on practice and play hours and coach ratings of skills**
David Thomas Hendry, University of British Columbia; A. Mark Williams, University of Utah; Nicola, J. Hodges, University of British Columbia
72. **Autonomy enhances movement efficiency**
Takehiro Iwatsuki, James Navalta, Gabriele Wulf, University of Nevada
73. **Talent identification errors in elite male basketball: A longitudinal examination of the influence of relative age and physical growth potential**
Robert Brustad, University of Northern Colorado
74. **The relationship between heart rate variability and golf putting performance**
Seunghyun Hwang, Korea Institute of Sport Science, South Korea; Duksun Chang, Korea National Sport University, South Korea; Yong-Gwan Song, Korea University, South Korea; Sangmi Lee, Sogang University, South Korea; Sanghoon Park, Yonsei University, South Korea; Boram Kim, Korea Institute of Sport Science, South Korea
75. **When a team suddenly falls apart: Comparing athletes', coaches', and sport psychologists' perceptions of causes of collective team collapse**
Vivian Vanessa Wergin, Jürgen Beckmann, Technische Universität München, Germany
76. **What and why young female dancers image**
Irene L. Muir, Krista J. Munroe-Chandler, University of Windsor
77. **The effect of brain synchronization training on golf putting performance**
Debra Crews, Paul Karoly, Arizona State University
78. **Does physical activity moderate the associations between body mass index and self-perceptions in adolescent and young adult cancer survivors?**
Amanda Wurz, Jennifer Brunet, University of Ottawa
79. **"This doesn't look too hard": Sources of self-efficacy information on a novel puzzle task**
Amber Shipherd, Texas A&M University - Kingsville
80. **The relationship between state self-esteem and self-compassion over time**
Urška Dobersek, University of Southern Indiana; Abbey Huffine, University of Southern Indiana; Mindy Mayol, University of Indianapolis; Lee Everett, University of Indianapolis
81. **Exercise and physical self-esteem: A meta-analysis of recent research**
Tao Xu, Bohai University, China; Huiyong Fan, Bohai University, China; Qiangguo Lv, Bohai University, China; Qin Lai, Wayne State University
82. **Women athletes' reported pre-season and early-season injury impact on training volume and perceived performance expectations**
Margo E. K. Adam, University of Saskatchewan; Amber D. Mosewich, University of Alberta; Rachel L. Duckham, Deakin University, Australia; Kent C. Kowalski, University of Saskatchewan; Leah J. Ferguson, University of Saskatchewan
83. **Investigating the possible positive effects of avoidance goals on goal attainment through effort**
Keita Kinoshita, University of Ottawa; Eric MacIntosh, University of Ottawa; Shintaro Sato, Montclair State University; Terry Orlick, University of Ottawa

84. **Group cohesion and relatedness as predictors of self-determined motivation and burnout in adolescent female athletes**
Christine E. Pacewicz, Michigan State University; Nicole Vaughan, East Carolina University; Alan L. Smith, Michigan State University; Thomas D. Raedeke, East Carolina University

85. **Knowledge of motivational interviewing among certified coaches in Canadian university sport**
Colin M Wierts, University of British Columbia; Philip M Wilson, Brock University; Diane E Mack, Brock University

86. **Non-sport need satisfaction promotes elite athletes' health and well-being: A cross-sectional survey and diary study**
Yannick Balk, Eindhoven University of Technology, Netherlands; Jan De Jonge, Eindhoven University of Technology, Netherlands; Sabine Geurts, Radboud University Nijmegen, Netherlands; Chris Lonsdale, Australian Catholic University, Australia

87. **Work-related stressors, health, and psychological well-being among sports coaches**
Faye Felicity Didymus, Leeds Beckett University, UK; Leanne Norman, Leeds Beckett University, UK; AJ Rankin-Wright, Leeds Beckett University, UK; Susanna Soler Prat, Institut Nacional d'Educació Física de Catalunya, Spain

88. **Mental practice and psychological health in stroke patients: A systematic review**
Vera Storm, Till Utesch, University of Münster, Germany

89. **Psychosocial consequences of parental involvement in youth sport: A systematic review of the literature**
Steffan R Berrow, Camilla J Knight, Joanne Hudson, Swansea University, UK

90. **Perceptions of youth sport specialization: Content analysis across differing patterns of participation**
Justin DiSanti, Michigan State University; Emily Wright, Michigan State University; Melissa Chase, Miami University; Karl Erickson, Michigan State University

91. **Does level of sport participation impact parent academic involvement, academic self-efficacy, and students' academic outcomes?**
Marshall X Grimm, Logan K Lyons, Josh R Novak, Travis E Dorsch, Utah State University

92. **The influence of parental support and pressure on youth sport passion**
Eric Martin, Boise State University; Laura Petranek, Boise State University; Brian Butki, Colorado State University

93. **Parent personality and child outcomes in youth sport**
Michael King, Travis Dorsch, Ryan Dunn, Lauren Prettyman, Utah State University

94. **A systematic review of the use and effectiveness of concussion education programs in youth sport**
Robyn Feiss, Molly Lutz, Justin Moody, Melissa Pangelinan, Auburn University

95. **Relationship among mindfulness, mental skills and mental toughness in martial arts athletes**
Chih-Han Wu, Jui-Ti Nien, Tai-Sheng Chen, Chen-Shuo Liu, Yu-Kai Chang, National Taiwan Sport University, Taiwan

Poster Session #3 – Saturday, June 23rd, 2018

Motor Development

1. **Two-leg hopping and frequency matching in children with Down syndrome**
Matthew Beerse, Jianhua Wu, Georgia State University
2. **Motor competence and executive function in children with Autism Spectrum Disorder**
Ting Liu, Texas State University
3. **The influence of risk factors on motor competence, physical fitness and BMI in childhood**
Lena Henning, University of Muenster, Germany; Till Utesch, University of Muenster, Germany; Roland Naul, University of Muenster, Germany; Christine Graf, DSHS Köln, Germany; Dennis Dreiskämper, University of Muenster, Germany
4. **Screen-time usage and fundamental motor skill competency in preschool children**
E. Kipling Webster, Louisiana State University; Amanda E. Staiano, Pennington Biomedical Research Center; Corby K. Martin, Pennington Biomedical Research Center; Amanda J. Weathers-Meyer, Louisiana State University
5. **Four year old children run faster when they become protagonists of a story**
Patrizia Tortella, Guido Francesco Fumagalli, University of Verona
6. **The influence of guided practice on overhand throwing competence in preschool children in a mastery motivational climate**
Jerraco Johnson, Mary Rudisill, Peter Hastie, Melissa Pangelinan, Julia Sassi, Auburn University
7. **“You throw like a girl!”: Young children’s gender stereotypes about motor competence**
Sally Taunton, University of South Carolina; Kelly Lynn Mulvey, North Carolina State University; Ali Brian, University of South Carolina
8. **Motor development in school -age children is associated with the home environment including socioeconomic status**
Priscila Caçola, University of Texas at Arlington; Luciana Ferreira, State University of Maringa; Ignacio Godinez, University of Texas at Arlington; Carl Gabbard, Texas A&M University; José Luiz Lopes Vieira, State University of Maringa
9. **Age-related changes in visual MT/V5 cortical oscillations are associated with visuomotor task performance**
Jacy VerMaas-Hannan, University of Nebraska Medical Center
10. **A longitudinal examination of a structured perceptual motor program**
C. Howard-Shaughnessy, Troy University; J.B. Sluder, Troy University; S. Taunton, University of South Carolina; A. Brian, University of South Carolina

Motor Learning and Control

11. **Keep your “head” on the ball: The relationship between gaze behavior and temporal error in baseball batting in a virtual environment**
Hiroki Nakamoto, National Institute of Fitness and Sport in Kanoya, Japan; Kazunobu Fukuhara, Tokyo Metropolitan University, Japan; David Mann, Vrije Universiteit Amsterdam, The Netherlands
12. **The role of proximal body information in skilled anticipation: The effect of kinematic interchange on anticipatory judgments in tennis**
Kazunobu Fukuhara, Tokyo Metropolitan University, Japan; Takahiro Higuchi, Tokyo Metropolitan University; Hiroki Nakamoto, National Institute of Fitness and Sports, Japan; David L. Mann, Vrije Universiteit Amsterdam, The Netherlands
13. **Quiet eye is not responsive to throwing darts of different weights even when the weight differences can be perceived**
Jonathan Marchetto, Robert Horn, Megan LaVacca, Montclair State University
14. **Size perception and performance outcome in a dart-throwing task under psychological pressure**
Yoshifumi Tanaka, Mukogawa Women's University, Japan; Kenta Karakida, Osaka University of Health and Sport Sciences, Japan; Takayuki Murayama, Kanazawa University, Japan; Yufu M. Tanaka, Kindai University, Japan; Kana Goto, Mukogawa Women's University, Japan
15. **Field location and player roles as constraints on emergent 1- vs -1 interpersonal patterns of play in football**
Timo Pekka Laakso, University of Jyväskylä, Finland; Bruno Travassos, Universidade da Beira Interior, Portugal; Jarmo Liukkonen, University of Jyväskylä, Finland; Keith Davids, Sheffield Hallam University, UK
16. **Dual-task training and dual-task performance in sequence learning**
Stephan Panzer, Saarland University, Germany; Matthias Massing, Saarland University, Germany; Charles Shea, Texas A&M University
17. **Differential effects of dual tasks across learning a finger-sequence**
Felix Ehrlenspiel, Luan Mengkai, Technische Universität München, Germany
18. **An acute bout of exercise can protect procedural memory**
Jing Chen, Hakjoo Kim, Taewon Kim, David Wright, Texas A & M University
19. **Representation and learning in manual action**
Ludwig Vogel, Thomas Schack, Bielefeld University, Germany
20. **The role of dynamic and structural cues for interference in action and perception**
Fabian Helm, Goethe-University Frankfurt/Main, Germany; Stefan Kindermann, Justus-Liebig-University Giessen, Germany; Karen Zentgraf, Goethe-University Frankfurt/Main, Germany; Jörn Munzert, Department of Justus-Liebig-University Giessen, Germany
21. **Motor imagery of single, double and joint actions**
Nadja Schott, Carina Frommer, Melina Held, University of Stuttgart, Germany
22. **Differences in subjective and objective motor imagery in children with Developmental Coordination Disorder**
Chadwick Fuchs, Priscila Caçola, University of Texas at Arlington

23. **Neuroactivity during imagery of the same movement delineates kinesthetic and visual movement imagery abilities as screened by questionnaires**
Roger Newman-Norlund, University of South Carolina; Seiler Brian, Charleston Southern University; Ryan Sacko, University of South Carolina; Samantha R. Weber, University of South Carolina; Makayla Gibson, University of South Carolina; Eva Monsma, University of South Carolina
24. **Balance as a predictor toward independent cycling**
Jennifer Kavanagh, Johann Issartel, Kieran Moran, Dublin City University, Ireland
25. **The effect of transcranial direct current stimulation on time to exhaustion performance in trained cyclists**
Rhiannon Louise Cowan, University of Utah; Lisa Schafer, University of Brighton, UK; Nicholas Smeeton, University of Brighton, UK; Jeanne Dekerle, University of Brighton, UK; James Wrightson, University of Calgary
26. **Priming performance on a ball tossing task via movement contingent sensory effects**
William Marshall Land, University of Texas at San Antonio
27. **Animated instructional presentations can cause symptoms of motion sickness**
Anthony Mayo, San Francisco State University; David Anderson, San Francisco State University; Thomas Stoffregen, University of Minnesota
28. **Effectiveness of a novel target grid method for obtaining 2-D error scores**
Ben Meyer, Shippensburg University
29. **Proficient brain activity in superior golf putting performance: An insight from the EEG and psychomotor efficiency**
Ming-Yang Cheng, Bielefeld University, Germany; Kuo-Pin Wang, National Taiwan Normal University, Taiwan; Dirk Koester, Bielefeld University, Germany; Tsung-Min Hung, National Taiwan Normal University, Taiwan ; Thomas Schack, Bielefeld University, Germany
30. **Response biases: The influence of the contralateral limb and head position**
Deanna Kennedy, Charles Shea, Texas A&M University

Sport and Exercise Psychology

31. **The effect of music on performance and affects: What's next?**
Nile Brandt, University of Utah; Selen Razon, West Chester University; Itay Basevitch, Anglia Ruskin; Gershon Tenenbaum, Florida State University
32. **Differential effects of aging and aerobic fitness on memory**
Allison Mizzi, Alexis Bullock, Jennifer Heisz, McMaster University
33. **Cognitive and executive function measures used in pediatric exercise research: An analytical review**
Kimberley Lakes, University of California, Irvine; Spyridoula Vazou, Iowa State University; Kavita Krishnan, University of California, Irvine; Arya Tavakoulina, University of California, Irvine; Irene Gonzales, University of California, Irvine; Shlomit Radom-Aizik, University of California, Irvine
34. **An examination of movement-integrated learning in the college classroom**
Michael Rhoads, Metropolitan State University of Denver; Rena Kirkland, Adams State University; Crystal Baker, Colorado Mesa University

35. **The effect of an acute bout of physical activity on inhibitory control in individuals with Autism Spectrum Disorder**
Andrew C. Parks, University of Michigan; Isabella Felzer-Kim, Michigan State University; Janet L. Hauck, Michigan State University; Brooke R. Ingersoll, Michigan State University; Alan L. Smith, Michigan State University; Matthew B. Pontifex, Michigan State University
36. **The effects of acute exercise on reward processing during a monetary gambling task**
Matthew Gooden, Kristina Muniz, Christopher Brush, Peter Ehmann, Anthony Bocchine, Brandon Alderman, Rutgers University
37. **Does consumption of slow-releasing carbohydrates improve mental performance following exhaustive exercise?**
Gustavo Sandri Heidner, East Carolina University; Laurel Wentz, Appalachian State University; Jaclyn Farrior, East Carolina University; Callie Herman, East Carolina University; Rachel Dodson, East Carolina University; Nicholas Murray, East Carolina University
38. **Associations among motivational climate, achievement goals, perceived competence, enjoyment, and anxiety within Finnish physical education students**
Mikko Huhtiniemi, Timo Jaakkola, University of Jyväskylä, Finland
39. **Exploration into the barriers and facilitators of exercise adherence behaviours in patients with persistent musculoskeletal pain**
Laura Meade, Emma Godfrey, Lindsay Bearne, King's College London, UK
40. **Self-determination theory and physical activity in Chinese adolescents**
Weiwei Ding, China University of Geosciences, China; Zhixiong Mao, Beijing Sport University, China; Qin Lai, Wayne State University
41. **Associations among basic psychological needs, motivational regulations, enjoyment, and anxiety of Finnish physical education students**
Timo Jaakkola, Mikko Huhtiniemi, University of Jyväskylä, Finland
42. **Sport, exercise, and performance psychologists as proxy-agents for exercise**
Caleb Campbell, Alison Ede, Tiffanye Vargas, Leilani Madrigal, California State University, Long Beach
43. **Expanding our understanding of knowledge and beliefs about chronic pain and exercise among physiotherapists**
Mackenzie G. Marchant, University of Saskatchewan; Miranda A. Cary, University of Saskatchewan; Jenelle Zapski, University of Saskatchewan; Jocelyn E. Blouin, University of Saskatchewan; Nancy Gyurcsik, University of Saskatchewan; Danielle R. Brittain, University of Northern Colorado
44. **Wearable technology to improve physical health of adults with chronic disease conditions: A systematic review and meta-analysis**
Megan Kirk Chang, Mohammad Amiri, Meysam Pirbaglou, Paul Ritvo, York University
45. **Self-efficacy and body weight satisfaction predict physical activity and sedentary behaviors in HIV positive adolescents and young adults on ART**
Leapetswe Maletse, Michigan State University; Tladi Dawn, University of Botswana, Botswana; Jennifer Etnier, University of North Carolina, Greensboro; Jerry Makhandia, Botswana Baylor Children's Clinical Centre of Excellence; Gabriel Anabwani, Botswana Baylor Children's Clinical Centre of Excellence; Charlene Compher, University of Pennsylvania

46. **Development and validation of golf positive psychological capital questionnaire**
Jung-eun Na, Ji-Hye Chung, Sookmyung Women's University, South Korea
47. **The development and validation of dancer resilience questionnaire**
Eun Choi, Ji-Hye Chung, Mi-Sun Kim, Bo-Ram Lee, Sookmyung Women's University, South Korea
48. **A qualitative approach to identifying how mental toughness is characterized by high school coaches**
Leilani Madrigal, Madison Hunt, Courtney Novak, Kiana Nua, Casee Wieber, Taylor Florentino, California State University Long Beach
49. **Examining the psychometric properties of the MTS in high school athletes**
Leilani Madrigal, California State University Long Beach; Sharon Hamill, California State University San Marcos; Kim Pulvers, California State University San Marcos; Devan Romero, California State University San Marcos
50. **The effects of cognitive effort training on whole body physical exertion and perception of effort**
Kira I Innes, McMaster University; Kathryn E Andrusko, Queen's University; Steven R Bray, McMaster University
51. **Gatekeepers' experiences of hiring a sport psychologist: A phenomenological study**
Toby H Woolway, Chris G Harwood, Loughborough University, UK
52. **Grounded theoretical approach in the process of substitution athletes for female professional basketball coaches(I)**
Ji-Hye Chung, Mi-Sun Kim, Bo-Ram Lee, Eun Choi, Sookmyung Women's University, South Korea
53. **Self-compassion and sport performance**
Nikki Barczak, University of North Carolina at Chapel Hill; Amber Mosewich, University of Alberta; Robert C. Eklund, Florida State University
54. **The effect of messages evoking pleasant or unpleasant feelings from physical education teachers on pre-performance**
Tadao Ishikura, Doshisha University, Japan
55. **The impact of contextual priors and anxiety on performance effectiveness and processing efficiency in anticipation**
David P. Broadbent, Brunel University London, UK; N. Viktor Gredin, Brunel University London, UK; Jason Rye, Brunel University London, UK; A. Mark Williams, University of Utah; Daniel T. Bishop, Brunel University London, UK
56. **The immediate effect of ventilatory training on heart rate variability, during training and challenge**
Calvin Lu, University of Maryland; Yingzhi Lu, Shanghai University of Sport, China; Andrew Ginsberg, University of Maryland; Bradley Hatfield, University of Maryland
57. **A systematic review of acute sports-related concussion assessments**
Justin Moody, Robyn Feiss, Melissa Pangelinan, Auburn University
58. **Self-compassion between high and low performers among NCAA Division student-athletes**
Urška Dobersek, University of Southern Indiana; Abbey Huffine, University of Southern Indiana; Mindy Mayol, University of Indianapolis; Lee Everett, University of Indianapolis
59. **Examining perceptions of athletic identity and religious orientation between students competing in varsity and intramural athletics**
Paul Saville, Samantha Meckes, Ali Valverde, Azusa Pacific University

60. **Measurement of 'standard' and 'motivation held constant' self-efficacy in older adults**
Jordan Kurth, Steve Amireault, Purdue University
61. **Examining the relationship between falls self-efficacy and postural sway in community-dwelling older adults**
Kathleen McCarty, Oregon State University; Winston Kennedy, Oregon State University; Samuel Logan, Oregon State University; Susan Levy, San Diego State University
62. **The relationship between social skills and social anxiety in Chinese student athletes: The mediating effect of cognitive disorders**
Ye Wang, Florida State University
63. **Social relatedness in CrossFit participants**
Julie Partridge, Kristiana Feeser, Bobbi Knapp, Southern Illinois University Carbondale
64. **An assessment of sport officials' perceptions of group cohesion**
Rayme Ehle, Indiana University Kokomo; David J. Hancock, Indiana University Kokomo; Kyle F. Paradis, Western University; M. Blair Evans, Pennsylvania State University; Luc J. Martin, Queen's University
65. **The role of the coach in athlete emotional and motivational development**
Walker Lauren, Michigan State University; Martin Eric, Boise State University; Gould Daniel, Michigan State University
66. **Online social norms as predictors of self-efficacy and physical activity: The role of sharing about physical activity on social media**
Maria M. Beitzel, Katherine Balfany, Kathleen S. Wilson, California State University, Fullerton
67. **The effect of degree of interpersonal synchronization on synchrony-induced pain threshold changes**
Matthew Marini, Philip Sullivan, Zak Lewis, Jack Sampson, Brock University