

Human Performance Optimization State of the Science Symposium

June 11, 2019 · University Club, University of Pittsburgh

7:00 am - 3:30pm	Meeting registration open	Location: Second floor
7:30 am - 8:00 am	Continental Breakfast	Foyer of Ballroom B
8:00 am - 8:15 am	Opening Remarks	Ballroom B
8:15 am - 9:45 am	<p>Session #1 – Sports Analytics and Wearables</p> <p><i>Moderator – Chris Connaboy, PhD, Assistant Professor, University of Pittsburgh</i></p> <p><u>Plenary Speaker:</u> Yaser Sheikh, PhD, Associate Professor, Robotics Institute, Carnegie Mellon Institute</p> <p><i>Presentation title: Social Perception for Machines</i></p> <p>Qi Mi, PhD, Assistant Professor, University of Pittsburgh</p> <p><i>Presentation title: Data Visualization and Analytics in Human Performance</i></p> <p>Gelsy Torres-Oviedo, PhD, Assistant Professor, University of Pittsburgh</p> <p><i>Presentation title: Sensorimotor Adaptation Studies Towards Improving Gait Rehabilitation</i></p> <p>Eni Halilaj, PhD, Assistant Professor, Carnegie Mellon University</p> <p><i>Presentation title: Turning Data from Wearables and Images Into Meaningful Biomechanical Outcomes</i></p> <p>Roundtable Discussion</p>	Ballroom B
9:45 am - 10:00 am	Refreshment Break	Ballroom B
10:00 am - 11:30 am	<p>Session #2 – Sports Medicine & Injury Prevention</p> <p><i>Moderator – Jennifer Brown, Senior Associate Athletic Director for Sports Medicine, University of Pittsburgh</i></p> <p><u>Plenary Speaker:</u> Freddie H. Fu, MD, Professor and Chair, Orthopaedic Surgery, University of Pittsburgh</p> <p><i>Presentation title: Is the Latest, Always the Greatest in Sports Medicine</i></p> <p>Mark Paterno, PT, PhD, Professor, Cincinnati Children’s Hospital Medical Center</p> <p><i>Presentation title: Injury Prevention in Rehabilitation</i></p>	Ballroom B

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10:00 am - 11:30am	<p>Session #2 – Sports Medicine & Injury Prevention (continued)</p> <p>Volker Musahl, MD, Professor, University of Pittsburgh Presentation title: <i>UPMC Sports Performance-Experience with Pitt Football</i></p> <p>James Irrgang, PT PhD, FAPTA, Professor, University of Pittsburgh Presentation title: <i>Rehabilitation Concepts for Sports-Related Injuries to Optimize Human Performance</i></p> <p>Roundtable Discussion</p>	Location: Ballroom B
11:30 am - 12:00pm	<p>Poster oral presentations by:</p> <p>William R. Conkright, MS, RD, CSSD, CSCS, University of Pittsburgh Presentation title: <i>Energy Expenditure and Load Carriage Exceeded Military Recommendations in Special Operations Forces Deployed in Afghanistan</i></p> <p>Felix Proessl, MS, University of Pittsburgh Presentation title: <i>Altered Brain Morphology in Women with History of ACL Rupture: A Structural MRI Study</i></p> <p>Alexis A. Pihoker, MA, CSCS, University of Pittsburgh Presentation title: <i>Markers of Bone Formation Are Augmented Following Three Months of Ballistic Training</i></p> <p>Jordon Weaver, BS, University of Pittsburgh Presentation title: <i>A Kinetic Model to Predict Human Muscle Growth</i></p>	Ballroom B
12:00 pm - 1:30 pm	Lunch and Poster Session	Ballroom A
1:30 pm - 3:00 pm	<p>Session #3 – Strength and Conditioning for the 21st Century</p> <p><i>Moderator – Brad Nindl, PhD, Professor, University of Pittsburgh</i></p> <p><u>Plenary Speaker:</u> William Kraemer, PhD, Professor, Human Services, Ohio State University Presentation Title: <i>Strength and Conditioning for the 21st Century</i></p> <p><u>Panelists:</u></p> <p>Dave Andrews, Head Strength and Conditioning Coach, Men's Football, University of Pittsburgh</p>	Ballroom B

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1:30 pm - 3:00 pm	Session #3 – Strength and Conditioning for the 21st Century (continued) <u>Panelists: (continued)</u> Tyler Carpenter , Head Strength and Conditioning Coach, Men’s Soccer, Women’s Soccer and Men’s Wrestling, University of Pittsburgh Riley Ross , Sports Science Performance Coach, Men’s Wrestling, Ohio State University Rhen Vail , Strength and Conditioning Coach, Women’s Basketball, University of Pittsburgh Roundtable Discussion	Location: Ballroom B
3:00 pm - 3:15 pm	Refreshment Break	Foyer of Ballroom B
3:15 pm - 4:45 pm	Session #4 – Nutrition <i>Moderator – Kim Beals, PhD, RD, CSSD, LDN, University of Pittsburgh</i> <u>Plenary Speaker:</u> Nanci Guest, PhD, RD, CSCS , University of Toronto <i>Presentation title: Sport Nutrigenomics: Personalized Nutrition to Improve Athletic Performance</i> Matt Darnell, PhD, SCCC, CSSD , University of Pittsburgh <i>Presentation title: Personalized Nutrition for Elite and Professional Athletes</i> Auburn Weisensale, MS, RD, CSSD, LDN , University of Pittsburgh <i>Presentation title: PITT nutrition</i> Roundtable Discussion	Ballroom B
4:45 pm - 5:00 pm	Closing Remarks	Ballroom B