



**June 1-5, 2021**

(Date: 5/21)

**Target Audience:**

ACSM physician members and other healthcare professionals interested in the fields of sports medicine and exercise science.

**Release Date:** June 1, 2021

**Expiration Date:** May 31, 2022

**Learning Objectives:**

At the conclusion of the Annual Meeting, participants should be able to:

1. Analyze state-of-the art and innovative basic science, applied science, and clinical medicine in the areas of exercise, fitness, health, and physical performance.
2. Recognize the importance of basic science research as it relates to diseases and conditions that exist due to physical inactivity.
3. Assess how physical activity research and practice contributes to public health and health equity in diverse populations

**Clinically Specific Objectives:**

4. Incorporate new guidelines into the care of the disabled athlete to prevent injuries and illness and enhance safe return to play in their sport.
5. Develop strategies to counsel patients with osteoarthritis to participate in physical activity to improve function and quality of life.
6. Determine which athletes with acute musculoskeletal injuries can safely participate in their sport.
7. Explore treatment options in the care of athletes with heat-related illness to improve recovery and allow safe participation in sport.
8. Incorporate best practices in the evaluation and treatment of adult and pediatric running athletes in order to improve athlete performance

**Accreditation:**

The American College of Sports Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.



### **AMA/PRA Credits**

The American College of Sports Medicine designates this enduring material for a maximum of 40 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **AAFP**

The AAFP has reviewed 2021 ACSM Annual Meeting, World Congress on Exercise is Medicine® and World Congress on the Basic Science of Exercise in Regenerative Medicine and deemed it acceptable for up to 40.00 Enduring Materials, Self-Study AAFP Prescribed credit. Term of Approval is from 06/01/2021 to 05/31/2022. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **BOC – CEUs**

American College of Sports Medicine (BOC AP#: P401) is approved by the Board of Certification, Inc. to provide continuing education to Certified Athletic Trainers. This program is eligible for a maximum of 40 Category A hours/CEUs. ATs should claim only those hours actually spent in the educational program.



### **ACSM CECs**

The American College of Sports Medicine's Professional Education Committee certifies that this continuing education offering meets the criteria for a maximum of 40 hours of ACSM continuing education credit.

### **Planners/Presenters/Reviewers Disclosures**

ACSM adheres to the ACCME's Standards for Integrity and Independence in Accredited Continuing Education. Any individuals in a position to control the content of a CME/CE activity, including faculty, planners, reviewers or others are required to disclose all relevant financial relationships with ineligible entities (commercial interests). All relevant conflicts of interest have been mitigated prior to the commencement of the activity.

### **PLANNERS:**

The following **CME planners** have indicated they have no relevant relationship(s) to report.

Kathryn E. Ackerman, M.D., M.P.H., FACSM

Anastasia Fischer, M.D., FACSM

Sandra Hoffmann, M.D., FACSM

Mark Hutchinson, M.D., FACS  
Elizabeth A. Joy, M.D., M.P.H., FACS  
Shawn F. Kane, M.D., FACS  
NiCole R. Keith, Ph.D., FACS  
William E. Kraus, M.D., FACS  
Robert E. Sallis, M.D., FACS  
James Skinner, Ph.D., FACS  
Jennifer Lee Trilk, Ph.D., FACS  
Kevin R. Vincent, M.D., Ph.D. FACS

The following **CME planner** indicated the relevant relationship below:

L. Bruce Gladden, Ph.D., FACS – Consulting fee, Omniox, Inc.

**REVIEWER:**

The following **CME reviewer** has indicated they have no relevant relationship(s) to report.

Sandra Hoffmann, M.D., FACS

**FACULTY:**

The reported relationships for the **Faculty** can be found in the “Agenda and Faculty Disclosures” section of this document.

**Agenda and Faculty Disclosures**

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

The Evaluation of the Spine in a Sports Medicine Back and Spine Clinic Practice Setting  
Benjamin A. Hasan. NCH Medical Group, Mt. Prospect, IL. – *No relevant relationships reported.*

Aaron D. Lee. Loyola Medicine MacNeal Hospital, Berwyn, IL. – *No relevant relationships reported.*

Exercise is Medicine® - Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

High-Intensity Interval Training in Health and Disease: New Insights and Emerging Perspectives  
Martin J. Gibala. McMaster University, Hamilton, ON, Canada. – *No relevant relationships reported.*

Jennifer J. Heisz. McMaster University, Hamilton, ON, Canada. – *No relevant relationships reported.*

Maureen J. MacDonald. McMaster University, Hamilton, ON, Canada. – *No relevant relationships reported.*

Trine Moholdt. Norwegian University of Science and Technology, Trondheim, Norway. – *No relevant relationships reported.*

Jonathan Little, FACS. University of British Columbia, Kelowna, BC, Canada. – *Shares in Metabolic Insights Inc.*

Exercise is Medicine® - Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Implementing and Evaluating the Physical Activity Vital Sign and Exercise is Medicine in 4 Healthcare Systems across the US

Elizabeth A. Joy, FACSM. Intermountain Healthcare, Salt Lake City, UT. - *No relevant relationships reported.*

Sarah Linke. UC San Diego, La Jolla, CA. - *No relevant relationships reported.*

Keri L. Denay, FACSM. University of Michigan Medical School, Ann Arbor, MI. - *No relevant relationships reported.*

Irfan Asif. University of Alabama Birmingham (UAB) School of Medicine, Birmingham, AL. - *No relevant relationships reported.*

Robin Shook, FACSM. Children's Mercy, Kansas City, MO. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

CAQ Review Session (Part 1) – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Anastasia N. Fischer, FACSM. Nationwide Children's Hospital, Columbus, OH. - *No relevant relationships reported.*

Kevin R. Vincent, FACSM. University of Florida, Gainesville, FL. - *No relevant relationships reported.*

Jason Pothast. MedStar Sports Medicine, Olney, MD. - *No relevant relationships reported.*

Andrew Gordon. US Physiatry / Reston Hospital Center, Reston, VA. - *No relevant relationships reported.*

Melissa A. Novak. Oregon Health Sciences University, Portland, OR. - *No relevant relationships reported.*

Heather K. Vincent, FACSM. University of Florida, Gainesville, FL. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Implementing Advanced Vision Research in a Modern Sports Medicine Team

Derek N. Cunningham. Sportsvisionpros.com, Bee Cave, TX. - *No relevant relationships reported.*

Brian Goodstein. Head ATC DC United, Washington, D.C., DC. - *No relevant relationships reported.*

Keith Smithson. Washington Nationals, Football Team, Wizards, Mystics, DC United, Capitals, Reston, VA. - *Ownership Interest; RightEye*

Melissa N. Womble. Inova Sports Medicine Concussion Program, Fairfax, VA. - *Consulting Fee; ImPACT Applications, Inc.. Contracted Research; Brainscope.*

Robin West. Washington Redskins, Falls Church, VA. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Examination of the Knee

Scott A. Magnes, FACSM. Ft. Belvoir Community Hospital, Alexandria, VA. - *No relevant relationships reported.*

Mark R. Hutchinson, FACSM. Univ. of Illinois at Chicago, Chicago, IL. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

A Call to Action: The Need for Adult Post-Bariatric Surgery Exercise Recommendations

Katherine M. Manuel. Howard University, Washington, DC. - *No relevant relationships reported.*

Linda S. Pescatello, FACSM. University of Connecticut, Storrs, CT. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Management of Acute Sports-Related Finger, Hand and Wrist Injuries and Fractures

Keri L. Denay, FACSM. University of Michigan Medical School, Ann Arbor, MI. . - *No relevant relationships reported.*

Rebecca Northway. University of Michigan, Ann Arbor, MI. - *No relevant relationships reported.*

Mark Riederer. University of Michigan, Ann Arbor, MI. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Mastering the Knee Exam for Clinicians in Training Utilizing Exam Checklist

Kelly Ryan. Medstar, Baltimore, MD. - *No relevant relationships reported.*

Matthew Sedgley, FACSM. Medstar, Baltimore, MD. - *No relevant relationships reported.*

Exercise is Medicine® - Highlighted Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Exercise and Dementia: Current Evidence and Opportunities in Prevention and Treatment

Robert J. Petrella, FACSM. University of British Columbia, Vancouver, BC; Western University, London, ON, Canada. - *No relevant relationships reported.*

Lindsay S. Nagamatsu. Western University, London, ON, Canada. - *No relevant relationships reported.*

Nicola T. Lautenschlager. University of Melbourne, Melbourne, Australia. - *No relevant relationships reported.*

Narlon Cassio Boa Sorte Silva. Western University, London, ON, Canada. - *No relevant relationships reported.*

Teresa Liu-Ambrose. University of British Columbia, Vancouver, BC, Canada. - *Ownership Interest; Synaptitude Brain Health.*

Exercise is Medicine® - Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Exercise Intensity Prescription for Health and Performance: How Close (or how Far) Are We from Getting it Right?

Silvia Pogliaghi, FACSM. University of Verona, Verona, Italy. - *No relevant relationships reported.*

Daniel A. Keir. The University of Western Ontario, London, ON, Canada. - *No relevant relationships reported.*

Juan M. Murias. University of Calgary, Calgary, Canada. - *No relevant relationships reported.*

Jan Boone. University of Ghent, Ghent, Belgium. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

CAQ Review Session (Part 2)

Andrea Stracciolini, FACSM. Children's Hospital Boston, Boston, MA. - *No relevant relationships reported.*

Cindy J. Chang, FACSM. University of California, San Francisco, Berkeley, CA. - *No relevant relationships reported.*

Adam Tenforde, FACSM. Spaulding Rehabilitation Hospital, Milton, MA. - *No relevant relationships reported.*

Jason L. Zaremski, FACSM. University of Florida, Gainesville, FL. - *No relevant relationships reported.*

Katherine Rizzone. University of Rochester Medical Center, Rochester, NY. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*™)

Active Transportation Advocacy for Health Equity and Climate during Covid-19

Tracey D. Matthews. Jacksonville State University, Jacksonville, AL. - *No relevant relationships reported.*

Janet R. Wojcik, FACSM. Winthrop University, Rock Hill, SC. - *No relevant relationships reported.*

Brian B. Parr, FACSM. University of South Carolina Aiken, Aiken, SC. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*™)

Evidence-based Office Concussion Physical Examination

John J. Leddy. University at Buffalo School of Medicine, Buffalo, NY. - *Consulting Fee; Neuronasal, Neurolign, Stage 2 Contract Engineering. Owns stock; Highmark Innovations.*

Morris/Paffenbarger EIM Keynote Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*™)

Exercise or Drugs: What is the Evidence?

John Ioannidis. Stanford University, Stanford, CA. - *No relevant relationships reported.*

Exercise is Medicine® - Highlighted Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*™)

The Global Health and Economic Burden of Physical Inactivity

Melody Ding. The University of Sydney, Camperdown, Australia. - *No relevant relationships reported.*

Elizabeth A. Joy, FACSM. Intermountain Healthcare, Salt Lake City, UT. - *No relevant relationships reported.*

Peter T. Katzmarzyk, FACSM. Pennington Biomedical Research Center, Baton Rouge, LA. - *No relevant relationships reported.*

Charles E. Matthews, FACSM. National Cancer Institute, Bethesda, MD. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*™)

The Crossover Athlete: Historical and Ethical Considerations When Athletes with Impairments Compete with Able-Bodied Athletes

Cindy Chang, FACSM. University of California San Francisco, San Francisco, CA. - *No relevant relationships reported.*

Stuart Willick, FACSM. University of Utah, Salt Lake City, UT. - *No relevant relationships reported.*

Cheri Blauwet, FACSM. Spaulding Rehabilitation Hospital/Harvard Medical School, Boston, MA. - *No relevant relationships reported.*

Marla Runyan. 2 X U.S. Olympian, 2 X U.S. Paralympian, Track & Field; Para Athlete Manager for the Boston Marathon, Boston, MA. - *No relevant relationships reported.*

Osnat Fliess Douer. Israel Paralympic Committee, Tel Aviv, Israel. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

The Pediatric Athlete in the 21st Century From Injury to Prevention

Andrea Stracciolini, FACSM. Childrens Hospital Boston, Boston, MA. - *No relevant relationships reported.*

Mary Lloyd Ireland, FACSM. University of Kentucky Health Care, Lexington, KY. - *Consulting Fees; Smith Nephew.*

Angela Smith, FACSM. Thomas Jefferson University, Philadelphia, PA. - *No relevant relationships reported.*

Avery Faigenbaum, FACSM. The College of New Jersey, Ewing, NJ. - *No relevant relationships reported.*

Lyle J. Micheli, FACSM. Boston Children's Hospital, Boston, MA. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

The Weight of Gold: Challenging the Stigma Around Athlete Mental Health

Cheri Blauwet, FACSM. Spaulding Rehabilitation Hospital/Harvard Medical School, Boston, MA. - *No relevant relationships reported.*

Margot Putukian, FACSM. Princeton University, Princeton, NJ. - *No relevant relationships reported.*

Leslie Swartz. University of Stellenbosch, Stellenbosch, South Africa. - *No relevant relationships reported.*

Margo Mountjoy, FACSM. McMaster University, Kitchener, ON, Canada. - *No relevant relationships reported.*

Brian Hainline, FACSM. National Collegiate Athletic Association, Indianapolis, IN. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Exercise and Medications in the Treatment of the Metabolic Syndrome

Juan F. Ortega. University of Castilla-La Mancha, Toledo, Spain. - *No relevant relationships reported.*

Ricardo Mora-Rodriguez. University of Castilla-La Mancha, Toledo, Spain. - *No relevant relationships reported.*

Colloquium – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Zebras Within the Herd: When Nerve Pain Presents like a Musculoskeletal Complaint-Part 2 (A Continuation from Part 1 at 2019 Annual Meeting)

Yao-wen Eliot Hu. Naval Hospital Camp Pendleton Sports Medicine, Camp Pendleton, CA. - *No relevant relationships reported.*

Adam Lewno. University of Michigan Sports Medicine, Ann Arbor, MI. - *No relevant*

*relationships reported.*

Adam Susmarski. United States Naval Academy, Annapolis, MD. - *No relevant relationships reported.*

Highlighted Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Keeping Up with the Joneses: Examining Evidence Behind Popular Treatments

Kevin R. Vincent, FACSM. University of Florida, Gainesville, FL. - *No relevant relationships reported.*

Bryan Heiderscheidt. University of Wisconsin-Madison, Madison, WI. - *No relevant relationships reported.*

Derek Miles. Barbell Medicine, Santa Cruz, CA. - *No relevant relationships reported.*

Todd Manini, FACSM. University of Florida, Gainesville, FL. - *No relevant relationships reported.*

Mederic M. Hall. University of Iowa Sports Medicine, Iowa City, IA. - *Royalty; UpToDate, Inc. Consulting Fee; Tenex Health. Stock Ownership; Sonex Health, Tenex Health*

Exercise is Medicine® - Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Exercise Conditioning Programmes for Cardio-Metabolic Health in People with Mobility-Related Disabilities

Peter Ladlow. Defence Medical Rehabilitation Centre, Loughborough, United Kingdom. - *No relevant relationships reported.*

Gordon Fisher, FACSM. The University of Alabama at Birmingham, Birmingham, AL. - *No relevant relationships reported.*

Jennifer Maher. University of Bath, Bath, United Kingdom. - *No relevant relationships reported.*

James Bilzon. University of Bath, Bath, United Kingdom. - *No relevant relationships reported.*

Exercise is Medicine® - Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Identifying Physically Inactive Youth In the Clinical Setting: Vital Signs, Wearables and Future Directions

Webb A. Smith. University of Tennessee Health Science Center, Memphis, TN. - *No relevant relationships reported.*

Gregory Welk, FACSM. Iowa State University, Ames, IA. - *No relevant relationships reported.*

Russell R. Pate, FACSM. University of South Carolina, Columbia, SC. - *No relevant relationships reported.*

Jonathan A. Mitchell. Children's Hospital of Philadelphia, Philadelphia, PA. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Hiding in Plain Sight: Sexual Violence in Sport

William O. Roberts, FACSM. University of Minnesota, Minneapolis, MN. - *No relevant relationships reported.*

Janet P. Judge. Holland & Knight LLP, Boston, MA. - *No relevant relationships reported.*

Jennifer Scott Koontz. University of Kansas School of Medicine-Wichita, Wichita, KS. - *No relevant relationships reported.*

Elizabeth A. Joy, FACSM. Intermountain Healthcare, UT, UT. - *No relevant relationships reported.*



Rachael E. Flatt. University of North Carolina at Chapel Hill, Chapel Hill, NC. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*™)

Exercise for Lower Extremity Osteoarthritis: A Translational Approach from Bench to Bedside  
Heather K. Vincent, FACSM. University of Florida, Gainesville, FL. - *No relevant relationships reported.*

Kevin R. Vincent, FACSM. University of Florida, Gainesville, FL. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*™)

ACSM/NASS Colloquium: Why Does My Arm Hurt and Tingle? Differentiating Cervical Radiculopathy From Other Causes

Stanley A. Herring, FACSM. University of Washington School of Medicine, Seattle, WA. - *No relevant relationships reported.*

Christopher W. McMullen. University of Washington School of Medicine, Seattle, WA. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*™)

Exercise is Medicine: Use of Step Counts in the Promotion of Health and in the Treatment of Musculoskeletal Disorders

Joseph Ihm, FACSM. Shirley Ryan AbilityLab, Chicago, IL. - *No relevant relationships reported.*

Rita Tomas. Federação Portuguesa de Futebol, Lisbon, Portugal. - *No relevant relationships reported.*

Cindy Lin, FACSM. University of Washington, Seattle, WA. - *No relevant relationships reported.*

Exercise is Medicine® - Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*™)

Integrating EIM into Health Care: Canadian Perspectives

Jonathon R. Fowles. Acadia University, Wolfville, NS, Canada. - *No relevant relationships reported.*

Nicole Culos-Reed. University of Calgary, Calgary, AB, Canada. - *No relevant relationships reported.*

Taniya S. Nagpal. University of Ottawa, Ottawa, ON, Canada. - *No relevant relationships reported.*

Lauren C. Capozzi. University of Calgary, Calgary, AB, Canada. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*™)

Contemporary Management of Pediatric ACL Injuries: Individualizing Treatment by Patient Age and Gender

Katherine Rizzone. University of Rochester Medical School, Rochester, NY. - *No relevant relationships reported.*

Robin M. Queen, FACSM. Virginia Tech, Blacksburg, VA. - *No relevant relationships reported.*

Melissa Christino. Boston Children's Hospital, Boston, MA. - *No relevant relationships reported.*

*reported.*

Cordelia W. Carter. NYU Langone Health, New York, NY. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 AMA PRA Category 1 Credit(s)<sup>TM</sup>)

In Search of Longevity: METs versus MEDs

Jonathan Myers, FACSM. Veterans Affairs Palo Alto Health Care System, Palo Alto, CA. - *No relevant relationships reported.*

Peter Kokkinos, FACSM. Rutgers University, New Brunswick, NJ. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 AMA PRA Category 1 Credit(s)<sup>TM</sup>)

Role of Exercise in Concussion Diagnosis and Treatment

M Nadir Haider. University at Buffalo, SUNY, Buffalo, NY. - *Consulting Fee; BlinkTBI.*

Phillip R. Worts. Tallahassee Orthopedic Clinic, Tallahassee, FL. - *Receipt of Intellectual Property Rights/Patent Holder; Co-author of Frequency of Concussion Symptoms (FOCS). Ownership Interest, PWSB Analytics, LLC, MyelinXR LLC.*

Exercise is Medicine® - Symposium – (Up to 2 AMA PRA Category 1 Credit(s)<sup>TM</sup>)

Breaking Down Silos: A Multi-Sectoral Perspective Toward Integrating Exercise into Clinical Care

Rachele Pojednic. Simmons University, Boston, MA. - *No relevant relationships reported.*

Mary A. Kennedy. Edith Cowan University, NORTH PERTH, Australia. - *No relevant relationships reported.*

Amy Bantham. Move to Live More, Somerville, MA. - *No relevant relationships reported.*

Edward M. Phillips. VA Healthcare System, Harvard Medical School, Boston, MA. - *No relevant relationships reported.*

Angie Kalousek. Blue Cross / Blue Shield, San Francisco, CA. - *No relevant relationships reported.*

Exercise is Medicine® - Symposium – (Up to 2 AMA PRA Category 1 Credit(s)<sup>TM</sup>)

The Role of Exercise during and after Childhood Cancer Treatment

Elisabeth Edvardsen. Norwegian School of Sport Sciences, Oslo, Norway. - *No relevant relationships reported.*

Martin K. Fridh. University Hospital of Copenhagen, Copenhagen, Denmark. - *No relevant relationships reported.*

Kirsten K. Ness. St. Jude Children's Research Hospital, Memphis, TN. - *No relevant relationships reported.*

Sabine K. Brüggemann-Pieper. Oslo University Hospital, Oslo, Norway. - *No relevant relationships reported.*

May Grydeland. Norwegian School of Sports Sciences, Oslo, Norway. - *No relevant relationships reported.*

Jessica M. Scott. Memorial Sloan Kettering Cancer Center, New York, NY. - *No relevant relationships reported.*

Symposium – (Up to 2 AMA PRA Category 1 Credit(s)<sup>TM</sup>)

Physiology of Concussion: Implications for Diagnosis, Prognosis and Management

Christina L. Master, FACSM. Children's Hospital of Philadelphia, Philadelphia, PA. - *No relevant relationships reported.*

John J. Leddy. University at Buffalo School of Medicine, Buffalo, NY. - *Consulting Fee; Neuronasal, Neuroalign, Stage 2 Contract Engineering. Owns stock; Highmark Innovations.*

David R. Howell. University of Colorado Denver - Anschutz Medical Campus, Denver, CO. - *No relevant relationships reported.*

Matthew F. Grady. Children's Hospital of Philadelphia, Philadelphia, PA. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

"When East Meets West" Cutting-edge Sports Medicine in Asia

Zhan Hui. Asian Federation of Sports Medicine, Beijing, China. - *No relevant relationships reported.*

Talia Alenabi. Asian Federation of Sports Medicine, Vaughan, ON, Canada. - *No relevant relationships reported.*

Patrick Yung. Asian Federation of Sports Medicine, Hong Kong, Hong Kong. - *No relevant relationships reported.*

Bryan Lau. Johns Hopkins School of Public Health, Baltimore, MD. – *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Exercise is Medicine: Promoting Physical Activity for Older Adults in Multiple in Pandemic Times

Paige Denison. Sound Generations, Seattle, WA. - *No relevant relationships reported.*

Michael E. Rogers, FACSM. Wichita State University, Wichita, KS. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Scale-up, Implementation, and Adaptation: Opportunities for Exercise is Medicine in Dissemination and Implementation Science

Paul Estabrooks. University of Nebraska Medical Center, Omaha, NE. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Utilizing the Outdoors to Get People Active

Rebecca A. Battista, FACSM. Appalachian State University, Boone, NC. - *No relevant relationships reported.*

Robert Zarr. Park Rx America, Washington DC, DC. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Preparing for a Safe Olympic and Paralympic Games During COVID-19

Jonathan Finnoff, FACSM. United States Olympic and Paralympic Committee, Colorado Springs, CO. - *No relevant relationships reported.*

Margo Mountjoy, FACSM. McMaster University, Hamilton, ON, Canada. - *No relevant relationships reported.*

Brian McClosky. Global Health Programme, Chatham House, London, United Kingdom. - *No*

*relevant relationships reported.*

Cheri Blauwet, FACSM. Spaulding Rehabilitation Hospital/Harvard Medical School, Boston, MA. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Prevention Of Abuse and Harassment in Sport: How To Safeguard the Athletes' Mental and Physical Health

Stéphane Bermon. World Athletics, Monaco, Monaco. - *No relevant relationships reported.*

Margo Mountjoy, FACSM. IOC Medical Commission, Lausanne, Switzerland. - *No relevant relationships reported.*

Toomas Timpka. Athletics Research Center, Linköping University, Linköping, Sweden. - *No relevant relationships reported.*

Paolo Emilio Adami. World Athletics, Monaco, Monaco. - *No relevant relationships reported.*

Mike Hartill. Edge Hill University, Ormskirk, United Kingdom. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Journey to a Culture of Activity

Stacy A. Trukowski. Rutgers University, Piscataway, NJ. - *No relevant relationships reported.*

Bethann Wittig. Rutgers University, Piscataway, NJ. - *No relevant relationships reported.*

Exercise is Medicine® - Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

One-on-One, Exercise Program in Adolescent and Young Adult Cancer Survivors with a Personal Trainer (EPICS Train)

NiCole R. Keith, FACSM. Indiana University Purdue University, Indianapolis, Indianapolis, IN. - *No relevant relationships reported.*

Jamie L. Renbarger. Indiana University School of Medicine, Indianapolis, IN. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Emergency Action Planning

Andrew Lincoln. MedStar Health Research Institute, Baltimore, MD. - *No relevant relationships reported.*

Matthew D. Sedgley, FACSM. Director Of EAP and Running Medicine, MedStar Health, Frederick, MD. - *No relevant relationships reported.*

Sean M. Huffman. MedStar Health, Columbia, MD. - *No relevant relationships reported.*

Kori Hudson. Director Of EAP, MedStar Health, Alexandria, VA. - *No relevant relationships reported.*

Exchange Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

National Athletic Trainers' Association Exchange Lecture - Blood Biomarkers of Sport-Related Concussion

Breton Asken. University of California-San Francisco, San Francisco, CA. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Spinal Cord Management in Atypical Sports Scenarios

Kelly Ryan. Medstar Health, Baltimore, MD. - *No relevant relationships reported.*

Korin Hudson. Medstar Health, Mc Lean, VA. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Exertional Injuries: Overview, Prevention, Treatment and RTP for Heat Stroke, ECAST and Exertional Rhabdomyolysis

Shawn F. Kane, FACSM. University of North Carolina - Chapel Hill, Chapel Hill, NC. - *No relevant relationships reported.*

Francis G. O'Connor, FACSM. USUHS, Bethesda, MD. - *No relevant relationships reported.*

Nathaniel Nye. National Capital Consortium Sports Medicine Fellowship, Ft Belvoir, VA. - *No relevant relationships reported.*

David W. DeGroot, FACSM. Ft Benning Heat Center, Ft Benning, GA. - *No relevant relationships reported.*

Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Black Lives Matter: Social Medicine for Sports Medicine Clinicians

Lisa C. Barkley, FACSM. Charles R. Drew University, Los Angeles, CA. - *No relevant relationships reported.*

Colloquium – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Cardiopulmonary Exercise Testing: Utility and Interpretation

William E. Kraus, FACSM. Duke University School of Medicine, Durham, NC. - *No relevant relationships reported.*

Colloquium – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Let's Talk Patellofemoral Problems

Miho Tanaka. Mass General Hospital, Boston, MA. - *No relevant relationships reported.*

Andrew Cosgarea. Johns Hopkins, Baltimore, MD. - *No relevant relationships reported.*

Robin West. INOVA, Washington DC, DC. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Evidence Based Prevention of Illness Associated with Long-haul Travel in Elite Athletes: "Sorting the Wheat from the Chaff"

Nick Webborn, FACSM. University of Brighton, Eastbourne, United Kingdom. - *No relevant relationships reported.*

Wayne Derman, FACSM. Stellenbosch University, Cape Town, South Africa. - *No relevant relationships reported.*

Dina C. Janse Van Rensburg, FACSM. University of Pretoria, Pretoria, South Africa. - *No relevant relationships reported.*

Tim Meyer, FACSM. Universitat des Saarlandes, Saarbrücken, Germany. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

IOC Consensus Statement on Injury and Illness Surveillance: How to Apply this Framework to your Clinical Skill Set

Margo Mountjoy, FACSM. IOC Medical Commission, McMaster University, Rockwood, ON, Canada. - *No relevant relationships reported.*

Martin Schwellnus, FACSM. IOC Research Centre (South Africa), Sport, Exercise Medicine and Lifestyle Institute (SEMLI), University of Pretoria, Pretoria, ON, South Africa. - *No relevant relationships reported.*

Roald Bahr. Oslo Sports Trauma Research Center, Norwegian School of Sport Sciences, Olympiatoppen & Norwegian Olympic Training Center, Aspetar Injury, Oslo, Norway. - *No relevant relationships reported.*

Carolyn A. Emery. Canada Research Chair and Chair Sport Injury Prevention Research Centre, University of Calgary, Cumming School of Medicine, University of Calgary, Calgary, AB, Canada. - *No relevant relationships reported.*

Tutorial Lecture – (Up to .75 AMA PRA Category 1 Credit(s)<sup>TM</sup>)

Considerations for Inclusion of Transgender Athletes in Competitive Sport

Joanna Harper. Loughborough University, Loughborough, United Kingdom. - *No relevant relationships reported.*

Siddhartha Angadi, FACSM. University of Virginia, Charlottesville, VA. - *No relevant relationships reported.*

Kathryn E. Ackerman, FACSM. Boston Children's Hospital, Boston, MA. - *No relevant relationships reported.*

Colloquium – (Up to .75 AMA PRA Category 1 Credit(s)<sup>TM</sup>)

Let's Talk Shoulder - Part 1

Mark R. Hutchinson, FACSM. University of Illinois, Elmhurst, IL. - *No relevant relationships reported.*

Ed McFarland, FACSM. Johns Hopkins, Baltimore, MD. - *Royalty; Innomed Corporation. Speakers Bureau; Stryker Corporation*

Ben Kibler, FACSM. Lexington Clinic, Lexington, IL. - *No relevant relationships reported.*

Kevin Plancher. Plancher Ortho, New York City, NY. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 AMA PRA Category 1 Credit(s)<sup>TM</sup>)

Case Studies in Sports Nutrition

Nancy Clark, FACSM. Sports Nutrition Services LLC, Boston, MA. - *No relevant relationships reported.*

Sharon Madigan. Sport Ireland Institute, Dublin, Ireland. - *No relevant relationships reported.*

Dane Baker. University of Otago and Axis Sports Medicine, Auckland, New Zealand. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 AMA PRA Category 1 Credit(s)<sup>TM</sup>)

Dermatology Potpourri

Brian Adams. University of Cincinnati College of Medicine, Cincinnati, OH. - *No relevant relationships reported.*

Symposium – (Up to 2 AMA PRA Category 1 Credit(s)<sup>TM</sup>)

The Aging Athletes Knee: How to Keep Grandma Running on her own Knees

Kevin Plancher. Plancher Orthopaedic and Sports Medicine, New York, NY. - *No relevant*

*relationships reported.*

Mark Hutchinson, FACSM. University of Illinois Hospital, Chicago, IL. - *No relevant relationships reported.*

Karen Yancopoulos. ColumbiaDoctors, Tarrytown, NY. - *No relevant relationships reported.*

Jonathan DeMatteis. Professional Physical Therapy, New York, NY. - *No relevant relationships reported.*

Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Helping Athletes Cope with New Realities

Jordan Anderson. Sideline USA, Chicago, IL. - *No relevant relationships reported.*

Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Overuse Injuries in Cycling: Recognition and Management

Scott Paluska, FACSM. University of Illinois, Urbana, IL. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Dry Needling

JJ Thomas. Primal Physical Therapy, Bryn Mawr, PA. - *No relevant relationships reported.*

Eugene Hong. MUSC, Charleston, SC. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Let's Talk Shoulder - Part 2

Ed McFarland, FACSM. Johns Hopkins, Baltimore, MD. - *Royalty; Innomed. Consulting Fee; Stryker Corporation*

Mark R. Hutchinson, FACSM. University of Illinois, Elmhurst, IL. - *No relevant relationships reported.*

Ben Kibler, FACSM. Lexington Clinic, Lexington, KY. - *No relevant relationships reported.*

Kevin Plancher. Plancher Ortho, New York City, NY. - *No relevant relationships reported.*

Exchange Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

American Medical Society for Sports Medicine Exchange Lecture - Economics of Exercise

Chad T. Carlson, FACSM. Stadia Sports Medicine, Des Moines, IA. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Cannabis in 2021: What Does the Evidence Show

Jeff G. Konin, FACSM. Florida International University, Miami, FL. - *Consulting Fee; SunFlora. Co.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Examination of the Foot and Ankle

Tim Dutra, FACSM. American Academy of Podiatric Sports Medicine, Oakland, CA. - *No relevant relationships reported.*

Jeffrey A. Ross, FACSM. Baylor College of Medicine, Houston, TX. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>™</sup>)

Chronic Exertional Compartment Syndrome: Unravelling the Diagnostic and Treatment Enigma  
Timothy Miller. The Ohio State University Wexner Medical Center, Columbus, OH. - *No relevant relationships reported.*

Bryant J. Walrod. Ohio State University Medical Center, Columbus, OH. - *No relevant relationships reported.*

Wes O. Zimmermann. Uniformed Services University of the Health Science, Bethesda, MD. - *No relevant relationships reported.*

Nathaniel Nye. National Capital Consortium Sports Medicine Fellowship, Ft. Belvoir, VA. - *No relevant relationships reported.*

Michael Baria. The Ohio State University Wexner Medical Center, Columbus, OH. - *No relevant relationships reported.*

Tutorial Lecture - (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>)

Change is Afoot in the Management of Lateral Ankle Sprains and Chronic Ankle Instability!  
Matt Hoch. Sports Medicine Research Institute, University of Kentucky, Lexington, KY. - *No relevant relationships reported.*

John J. Fraser. Warfighter Performance Department, Naval Health Research Center, San Diego, CA. - *No relevant relationships reported.*

Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>)

Hip-related Pain: Where are We Now? An Update from the 1st International Hip Pain Research Network Consensus Meeting

Andrea B. Mosler. LA Trobe University, Bundoora, Australia. - *No relevant relationships reported.*

Cara L. Lewis. Boston University, Boston, MA. - *No relevant relationships reported.*

Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>)

Training is Over-Now What? Practical Management Pearls for the Trainee in Musculoskeletal and Sports Medicine

William "Mosi" Jones. Community Physician Network, Sports Medicine Care, Greenwood, IN. - *No relevant relationships reported.*

William Dexter, FACSM. Maine Medical Center, South Portland, ME. - *No relevant relationships reported.*

Kathryn Ackerman, FACSM. Boston Children's Hospital, Boston, MA. - *No relevant relationships reported.*

Jason Zaremski, FACSM. University of Florida, Gainesville, FL. - *No relevant relationships reported.*

Melody Hrubes. Rothman Orthopaedics, New York City, NY. - *No relevant relationships reported.*

John R. Sutton Clinical Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>™</sup>)

About the Sequence of Prevention, Ankle Injuries and Beyond

Willem van Mechelen, FACSM. Amsterdam University Medical Centers, location VUmc, Amsterdam, Netherlands. - *Contracted Research; Astra Zeneca. Ownership Interest; De*



*Bloeiende Lelie B.V.*

Exchange Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

American Orthopaedic Society for Sports Medicine Exchange Lecture - Hip Arthroscopy in the Athlete in 2021

Marc R. Safran. Stanford University, Stanford, CA. - *Royalty; Smith and Nephew, DJO, Stryker. Receipt of Intellectual Property Rights/Patent Holder; FAI Brace, Hip Distractor. Consulting Fee; Medacta, Smith and Nephew. Speakers Bureau; Smith and Nephew.*

Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Youth Running: An Evidence Based Approach to Preventing Injury

Adam Tenforde, FACSM. Spaulding Rehabilitation Center, Boston, MA. - *No relevant relationships reported.*

Brian Krabak, FACSM. University of Washington, Seattle, WA. - *No relevant relationships reported.*

William O. Roberts, FACSM. University of Minnesota, Minneapolis, MN. - *No relevant relationships reported.*

Mitchell J. Rauh, FACSM. San Diego State University, San Diego, CA. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Update on Exertional Leg Pain in the Athlete

Robert Wilder, FACSM. University of Virginia, Charlottesville, VA. - *No relevant relationships reported.*

David Hryvniak. University of Virginia, Charlottesville, VA. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Meniscus Update: New Research Models and Clinical Pearls

Kentaro Onishi. UPMC, Pittsburgh, PA. - *No relevant relationships reported.*

Robin V. West. Inova Health System, Great Falls, VA. - *No relevant relationships reported.*

Freddie H. Fu. Univ of Pittsburgh School of Medicine, Pittsburgh, PA. - *No relevant relationships reported.*

Andrew H. Gordon. US Physiatry, Reston, VA. - *No relevant relationships reported.*

Symposium – (Up to 2 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Sports Medicine Considerations for the Equestrian Athlete

Cindy Lin, FACSM. UW Medicine, Seattle, WA. - *No relevant relationships reported.*

Kelly Ryan. Medstar, Baltimore, MD. - *No relevant relationships reported.*

Korin Hudson. Medstar, Mc Lean, VA. - *No relevant relationships reported.*

Michael Turner. The International Concussion and Head Injury Research Foundation, London, United Kingdom. - *No relevant relationships reported.*

Tutorial Lecture – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Team Physician Consensus Conference Update

W. Ben Kibler, FACSM. Lexington Clinic Sports Medicine Center, Lexington, KY. - *No relevant relationships reported.*

Stanley A. Herring, FACSM. University of Washington, Seattle, WA. - *No relevant relationships reported.*

Margot Putukian, FACSM. Princeton University, Princeton, NJ. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Performing a Medically Based Gait Analysis for Runners: Applying Methods to Sample Patients  
Heather K. Vincent, FACSM. University of Florida, Gainesville, FL. - *No relevant relationships reported.*

Kevin R. Vincent, FACSM. University of Florida, Gainesville, FL. - *No relevant relationships reported.*

Clinical Workshop – (Up to .75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

To 3-D Scan or Plaster Cast: That is the Question

Jeffrey A. Ross, FACSM. Baylor College of Medicine, Houston, TX. - *No relevant relationships reported.*

D.B. Dill Historical Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

The Intersection of Optimizing Human Health, Performance and Longevity: Clinical Sports Nutrition

Nancy R. Rodriguez, FACSM. University of Connecticut, Storrs, CT. - *No relevant relationships reported.*

D.B. Dill Historical Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Born to Move: The Effect of Evolutionary Mismatch on Biomechanics and Musculoskeletal Health

Irene S. Davis, FACSM. Harvard Medical School, Cambridge, MA. - *No relevant relationships reported.*

Integrative Plenary Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

Tribute to Barbara Drinkwater, Ph.D., FACSM - The Female Athlete Triad and Her Contribution to Women's Health

Rosemary Agostini, FACSM. Kaiser Permanente Washington, Seattle, WA. - *No relevant relationships reported.*

NiCole R. Keith, FACSM. Indiana University Purdue University, Indianapolis, Indianapolis, IN. - *No relevant relationships reported.*

Mimi Johnson, FACSM. University of Washington, Seattle, WA. - *No relevant relationships reported.*

Anne B. Loucks, FACSM. Ohio University, Athens, OH. - *No relevant relationships reported.*

Joseph B. Wolfe Memorial Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)

How do YOU Power Aerobic Exercise?

David C. Poole, FACSM. Kansas State University, Manhattan, KS. - *No relevant relationships reported.*

Joseph B. Wolffe Memorial Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)  
When Diabetes, Depression, and Cancer Collide: The Benefits that Physical Activity can Provide  
Mary de Groot. Indiana University School of Medicine, Indianapolis, IN. - *No relevant relationships reported.*

President's Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)  
Effects of Exercise on Vascular Function: In Vivo and In Vitro Perspectives  
Michael D. Brown, FACSM. Auburn University, Auburn, AL. - *No relevant relationships reported.*

President's Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)  
Overcoming Disparities in Physical Activity: We Need to Dig Deeper  
Melicia C. Whitt-Glover, FACSM. Gramercy Research Group and Council on Black Health, Winston Salem, NC. - *No relevant relationships reported.*

President's Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)  
Parks and Recreation: An Untapped Solution to Youth Obesity and Physical Activity Disparities  
Sarah Armstrong. Duke University, Durham, NC. - *No relevant relationships reported.*

President's Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)  
50 Years: Sports Medicine Team Physician and the Anterior Cruciate Ligament  
John Bergfeld, FACSM. Cleveland Clinic, Cleveland, OH. - *Consulting Fee; SAMUMED*

President's Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)  
Culture and Physical Activity of Adults: The Need to Intertwine the Two  
David X. Marquez, FACSM. University of Illinois at Chicago, Chicago, IL. - *No relevant relationships reported.*

President's Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)  
To Drink or not to Drink: A Drop of Facts in an Ocean of Opinions  
Stavros A. Kavouras, FACSM. Arizona State University, Phoenix, AZ. - *Research funding: Standard Process, Danone Research*

President's Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)  
Leadership Matters - An Outlier's Accidental Journey from Coach to PI to Chancellor  
Timothy P. White, FACSM. The California State University, Long Beach, CA. - *No relevant relationships reported.*

President's Lecture – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>)  
Merging Implementation Science and Health Equity Research to Eliminate Youth Physical Activity Disparities  
Rebecca E. Hasson, FACSM. University of Michigan, Ann Arbor, MI. - *No relevant relationships reported.*

Morris/Paffenbarger EIM Keynote Lecture Session – (Up to 1 *AMA PRA Category 1 Credit(s)*<sup>™</sup>)

Exercise or Drugs: What is the Evidence?

John Ioannidis. Stanford University, Stanford, CA. - *No relevant relationships reported.*