

American College of Sports Medicine

59th Annual Meeting and 3rd World Congress on Exercise is Medicine®

May 29-June 2, 2012

San Francisco, California

acsmannualmeeting.org

ACSM
Annual
Meeting



World Congress on

Exercise
is Medicine®



PREVIEW PROGRAM



Dear Friends and Colleagues:

On behalf of the Program Committee, I invite you to join us in San Francisco for the 59th Annual Meeting and 3rd World Congress on Exercise is Medicine of the American College of Sports Medicine. The Program Committee has organized an extraordinary array of cutting edge science and clinical sessions for the 2012 meetings. Note that we have added a focused emphasis on basic and integrative science on Thursday to highlight extraordinary basic research with relevance to health and performance. Overall, you will find a program that emphasizes exceptionally strong scientific and clinical content across the breadth of interests among our membership that only ACSM can deliver.

Many social and networking events are scheduled throughout the meeting, allowing members and guests a chance to get acquainted or reacquainted. Unscheduled time remains during the lunch hour and in the evenings for meeting with colleagues, exercising without feeling like you are missing out on important learning opportunities, or to take in some of the sites of San Francisco.

Finally, check out the prestigious Wolffe, Dill and President's Lectures on page 4. You will not want to miss them. These scientists have been invited to showcase their outstanding contributions and insights on topics important to our membership. Also, be sure to stay until noon on Saturday when we end the meeting with two superb President's Lectures, thus establishing a fitting close to a spectacularly compelling conference devoted to scientific and clinical excellence.

Please make plans now to join us in San Francisco to enjoy what promises to be one of the best ACSM meetings ever!

Sincerely,

Janet Walberg Rankin, Ph.D., FACSM
2012 Program Committee Chair, President-elect

Ultrasound Post Conference, Saturday, June 2, 1-4PM
Introduction to Musculoskeletal Ultrasound: Small Group, Scanning, Injections, and Practical Considerations
Workshop organizer: Garrett Hyman

This is a review of basic principles and uses of musculoskeletal ultrasound. Live demonstrations, small group hands-on instruction, and injection techniques will be emphasized and practiced.

To ensure a quality experience for all participants, the size of this workshop will be strictly limited. Please sign up early, this workshop will fill quickly.

Fee: \$150 (sign up on the registration form)

Schedule at-a-Glance

Tuesday, May 29

- Registration Opens
- World Congress on Exercise is Medicine Keynote Sessions
- World Congress on Exercise is Medicine Educational Sessions

Wednesday, May 30

- Joseph B. Wolffe Memorial Lecture
- Scientific/Clinical Sessions
- Exhibit Hall Opens
- Student Colloquium
- Interest Group Meetings
- Student Bowl

Thursday, May 31

- Josephine L. Rathbone Memorial Breakfast honoring ACSM's Women
- President's Lectures
- Scientific/Clinical Sessions
- Exhibit Hall Open
- Interest Group Meetings
- Diversity Reception (invitation only)
- Regional Chapter Events
- International Reception (invitation only)

Friday, June 1

- Gisolfi Fun Run
- D.B. Dill Historical Lecture
- Scientific/Clinical Sessions
- Exhibit Hall Open
- Student Meet the Expert Session
- New Fellow Reception (invitation only)
- Cocktail Reception and Awards Banquet

Saturday, June 2

- President's Lectures
- Scientific/Clinical Sessions
- Ultrasound Post-Conference

ACSM Thanks Our 2012 Annual Meeting Supporters

The American College of Sports Medicine gratefully acknowledges the receipt of grants in support of our educational program currently from:

PRESENTING LEVEL



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One Registration... Two Superb Meetings!

May 29-June 2, 2012
San Francisco, California USA



The ACSM Annual Meeting brings together the best in basic science, applied science and clinical medicine. Learn the latest innovation in your field and how it can help you. At this year's World Congress on Exercise is Medicine, learn how the infrastructure developed over the last two years is here to support you—in your profession and in your everyday life. The third annual World Congress on Exercise is Medicine—held in conjunction with ACSM's 59th Annual Meeting—will show you how to build your local network and make your community a healthier place.

Objectives

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

1. Evaluate the biological, biomechanical, psychological and behavioral changes accompanying exercise in both normal and pathological states.
2. Analyze state-of-the art and innovative basic science, applied science, and clinical medicine in the areas of exercise, fitness, health, and physical performance.
3. Compare new approaches and perspectives concerning exercise science and sports medicine through interactive discussions with scientists and clinicians in related fields.
4. Recognize the importance of basic science research as it relates to diseases and conditions that exist due to physical inactivity.
5. Assess how physical activity research and practice can contribute to public health.

Clinically Specific Objectives

6. Formulate a differential diagnosis for athletes with posterior hip pain in order to initiate appropriate treatment plans for return to play.
7. Evaluate the use of Ultrasound in clinical sports medicine practice in order to improve diagnosis and treatment of musculoskeletal injuries.
8. Evaluate appropriate diagnostic strategies and therapeutic measures to treat exercise overdose on the cardiovascular, musculoskeletal, and immunologic systems.
9. Determine appropriate treatment strategies for athletes with hamstring injuries in order to improve their ability to return to play.

10. Develop an understanding of mechanisms of injury and epidemiology of concussions in various sports in order to initiate prevention strategies for your patients.
11. Develop a plan for office based physical activity promotion in order to effectively promote and prescribe physical activity for patients to enhance health and prevent disease.

Target Audience

ACSM members and professionals interested in the field of sports medicine and exercise science.

Earn Continuing Education Credits/ Continuing Medical Education Credits

- **Accreditation:** The American College of Sports Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.
- **AMA/PRA Credits:** The American College of Sports Medicine designates this live activity for a maximum of 28.5 *AMA PRA Category 1 Credits™*. Physicians should claim only credit commensurate with the extent of their participation in the activity.
- **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 28.5 hours of ACSM Continuing Education credit.
- **NATA – CEUs:** ACSM is recognized by the Board of Certification, Inc. to offer continuing education (CE) for Certified Athletic Trainers (ATs). 28.5 CEUs awarded.

Educational Highlights

We are proud to spotlight the following lectures at the ACSM Annual Meeting and World Congress on Exercise is Medicine® (*lectures related to the World Congress on Exercise is Medicine are highlighted in red bold italic*):

The Joseph B. Wolfe Memorial Lecture



Physical Activity and Bone Health: Conventional Wisdom, Contemporary Ideas

*Wendy Kohrt, FACSM
University of Colorado-Anschutz Medical Campus
Denver
Aurora, Colorado*

The D.B. Dill Historical Lecture



Adiposity, Fitness and Cardiometabolic Health: The Tale of the Tape

*Jean-Pierre Despres
Quebec Heart and Lung Institute
Quebec, Canada*

Exercise is Medicine Keynote Lecture



E=M, A Cost-Effective Investment

*Willem van Mechelen, FACSM
VU University Medical Center,
Amsterdam,
The Netherlands*

Exercise is Medicine Keynote Lecture



Importance of EIM for Health Care Providers

*George C. Halvorson
Kaiser Permanente
Oakland, California*

PRESIDENT'S LECTURES



The Role of Exercise in the Rehabilitation of Patients with Burn Injuries

*Oscar Suman, FACSM
University of Texas Medical Branch/Shriners Hospitals for Children
Galveston, Texas*



The Changing Face of Nutrition for Health and Performance: Past, Present and Future

*Melinda Manore, FACSM
Oregon State University
Corvallis, Oregon*



Exercise as a Countermeasure for Aging: From Mice to Humans

*Mark Tarnopolsky
McMaster University
Hamilton, Ontario, Canada*



Promoting Regular Physical Activity in the 21st Century

*Abby King, FACSM
Stanford University School of Medicine
Stanford, California*

NAMED LECTURES

Paffenbarger Tutorial Lecture



Physical Activity: The Ponce de Leon Elixir for Health and Function

*Steven Blair, FACSM
University of South Carolina
Columbia, South Carolina*

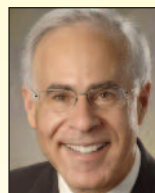
John R. Sutton Clinical Lecture



Performance Optimization

*Francis G. O'Connor, FACSM
Uniformed Services University
Fairfax Station, Virginia*

Elsworth R. Buskirk Tutorial Lecture



Atherosclerosis, Aerobic Capacity, and Adiposity: Activity Antecedents and Antidotes

*Barry Franklin, FACSM
William Beaumont Health Center
Royal Oak, Michigan*

BASIC SCIENCE, APPLIED SCIENCE, CLINICAL AND INTEGRATIVE SESSIONS BY CATEGORY

Athlete Care and Clinical Medicine**Highlighted Symposium****Concussions: Translating Research into Reality***Speakers TBD*

- AMSSM Exchange Lecture
- AOSSM Exchange Lecture: A Pain in the Butt: Differentiating SI, Hip, Hamstring and More
- Assessing Quality of Care in Musculoskeletal Medicine
- Athletes and The Arts - Applying Sports Medicine to the Performing Artist
- Auricular Acupuncture for Acute Pain: This Skill Should be in Your Sideline Toolkit
- BASEM Exchange
- Basics of Reading MRI of the Lumbar Spine
- Cardiac Arrest During Sport: Facts, Fiction, and Fixes
- Contemporary Approaches to Managing Patellofemoral Pain
- Core Strength Assessment in Runners
- Dermatology
- Everything You Thought You Knew for the CAQ, but Didn't, or Forgot...": AMSSM/ACSM Joint Session
- Examination of the Foot and Ankle
- Exercise Associated Muscle Cramping (EAMC) - New insights
- H&P to MRI - Knee
- H&P to MRI - Shoulder
- Hamstring Injuries: Strategies for Improved Outcomes
- Hand/Wrist/Elbow Exam
- Injections: The Substances We Use and the Evidence
- Kinetic Chain
- Knee Examination: Pediatric and Adult
- Medical Operations for Marathon Road Races: A Template for Disaster Management
- MRI
- Musculoskeletal Ultrasound of the Hip and Pelvis: Normal, Abnormal and Interventions
- Musculoskeletal Ultrasound of the Knee: Normal, abnormal, and interventions
- NASS Symposium - Radiating Upper Limb Pain in the Athlete: Spinal Cord, Nerve Root, Brachial Plexus, or Vascular?
- NATA Exchange Lecture
- Nonoperative Treatment for Hip and Knee Arthritis in the "Less Young" Athlete
- OMT
- Outcomes from the Team Physician Consensus Conference
- Physical Examination of the Lumbar Spine
- Scapulothoracic
- Shoulder Exam
- Sport-Related Concussion: Challenges & Controversies
- Stepping Up to the Plate: Managing Physeal and Apophyseal Injuries in Young Athletes
- Stress Fractures, Diagnosis and Treatment
- The Full Monty- You Can Keep Your H.A.T. on! (The Hyperandrogenic Athlete and the Transgendered)
- The Role of Manual Therapy in Olympic Sports Medicine
- Ultrasound Guided Injections -- Does Ultra-Accurate Equal Ultra-Efficacious?
- Ultrasound of the Shoulder
- Understanding Lumbar Radiculopathy in the Athlete
- Wilderness Athletes at the Extreme

Biomechanics and Neural Control of Movement**Featured Science Session****The Biomechanics of Tissue Engineering***Speakers TBD*

- A Neuromuscular Approach to Injury: Altering Movement Patterns
- Barefoot Running Debate
- Central Nervous System Alterations Following Ankle Joint Pathology: Mechanisms and Interventions
- Gait Speed – The Ultimate Marker of Mobility in Aging
- Predicting Overuse Lower Extremity Injuries with Computerized/Video Gait Analysis
- Treating Spinal Cord Injuries: 30-yr Journey to Translate Basic Science To the Clinic

Cardiovascular, Renal and Respiratory Physiology**Featured Science Session****Changing the Oxygen Cost of Exercise: New Discoveries, Novel Implications***Craig Harms, FACSM**David Poole, FACSM**Andrew Jones, FACSM**Anni Vanhatalo**Stephen Bailey**Daniel Hirai*

- Assessing Cardiac Function During Exercise – Established and Emerging Techniques
- Diabetic Microangiopathy and Impaired Cardiopulmonary Response to Exercise
- Exercise-Induced Cardioprotection: Cellular Adaptations to Clinical Implications
- Marathon: Healthy or Harmful for the Heart, Joints and Immune System?
- Pulmonary and Cardiovascular Interactions During Exercise
- Skeletal Muscle Blood Flow Studied Sans Metabolism: Implications from Basic Science to Rehabilitative Medicine
- The Exercise Pressor Reflex in Health and Cardiovascular Diseases
- The Nitrate-Nitrite-Nitric Oxide Pathway in Exercise: Increased Oxygen Efficiency
- The Physiology of Exercise in Heart Failure
- Under Pressure: Is Shear the Principle Mediator of Exercise-induced Vascular Adaptation

Clinical Exercise Physiology

Highlighted Symposium

Clinical Exercise Physiology in Pediatric Populations

Carl Foster, FACSM

Bareket Falk

Alejandro Lucia

Thomas W. Rowland, FACSM

Tim Takken

• **Application of Exercise in Children with Chronic Disease**

- Cerebral Lactate Metabolism in Health and Disease
- Muscle Power Training in Older Adults: From the Single Fiber to the Community
- Recent Advances in Preventive Cardiology and Lifestyle Medicine
- The Journey from Rehabilitation to Wheelchair Sporting Excellence

Environmental and Occupational Physiology

Featured Science Session

How Hot Will Our Aging Population Get In A Changing Climate?: New Insights on Aging and Human Thermoregulation

Scott J. Montain, FACSM

Lacy A. Holowatz

Glen P. Kenny

- Extreme Conditioning Programs - Are They Worth the Risk?
- Go Fast, Go High, Get Sick! Oxygen-sensing and Exercise at High-Altitude
- Mechanisms and Controllers of Heat Loss Responses During Heat Stress in Humans
- Physiological Challenges to Astronaut Health and Safety During Spaceflight
- Protecting our Youth: Heat Safety Challenges and Solutions During Sports
- The Western States Endurance Run: Première Mountain 100 Mile and Ultra Lab

Epidemiology, Biostatistics and Health Promotion

Featured Science Session

Physical Activity Interventions in Overweight and Obese Pregnant Women

Lisa Chasen-Taber, FACSM

Assiamira Ferrara

Linda May

Lanay Mudd

Michelle Motolla

Christine Olson

- "I Cannot Believe They Said That!" Statistical Bloopers in Reviewers' Feedback
- ACSM American Fitness Index™: Lessons Learned from the Field
- Bicycle Research Guiding Us From Dismal Present to Brighter Possible Future
- Case Studies in Injury Surveillance to Establish Best Practices
- Concussion Crosses the Continents
- Exercise after Head and Neck Cancer Diagnosis: Opportunities and Challenges

• **Exercise, Weight and Gynecologic Cancers**

- Free Resources for Mediation Analysis: Discover How (Your) Interventions Really Work
- How Many is Too Many? Multiple Fractures in Children
- **How Many Steps/day are Enough for Children/Adolescents, Adults, Older Adults/Special Populations**
- **Implementing and Evaluating Policies to Promote Physical Activity**
- **Implementing the National Physical Activity Plan**
- **Importing and Exporting Intervention Strategies: Tools and Initiatives for Global PA**
- Physical Activity in Overweight and Obese Pregnant Women
- **Public Health Science of Sedentary Behavior in Youth**
- **Sedentary Behavior in Underrepresented Minority Populations**
- Solving Challenges in Subsequent Injury Analyses and Interpretations
- Stretching: The Debate
- **The Relations of Resistance Training and Strength with Morbidity and Mortality**
- Use of Accelerometers to Assess Physical Activity in Older Adults
- Using Cadence (Steps/min) to Study Free-living Ambulatory Behavior

Exercise is Medicine

See page 9 for session listing (**Annual Meeting sessions related to the World Congress on Exercise is Medicine are highlighted in red, bold italic**)

Fitness Assessment and Training

Highlighted Symposium

The Science of Golf

Andrea Fradkin

Rafer Lutz

Scott K. Lynn

Anthony A. Vandervoort, FACSM

- London 2012 Olympics: The Potential Hot Buttons
- Meaning of the Maximal Lactate Steady State
- Monitoring And Periodizing Training Load In Team Sports
- Performance Point: What Does it Take to be Better than the Best?
- **The Intensity of Aerobic Exercise - New Recommendations**
- The Talent Myth & The 10,000 Hour Rule
- Who Got the Turtle's Running Shoes?

Immunology/Genetics/Endocrinology

Featured Science Session

Exercise Immunology: Clinical Implications

Jill A. Kanaley, FACSM

Timothy S. Church

Rickie Simpson

Emily Lavoy

David Nieman, FACSM

- Endocrinology
- Genetics and the Phenotypes Under Our Noses
- Molecular, Phenotypical and Proteomics in Overtraining Syndromes

Metabolism and Nutrition

Featured Science Session

Energy Balance and Protein Utilization: Implications for Weight Management

Nancy R. Rodriguez, FACSM

Tracy Anthony

Stuart M. Phillips, FACSM

- Ammonia, Performance and Fatigue
- Assessing Hydration Status During Daily Activities: Body Fluid Measurements
- Behavioral Compensation to Exercise: Do We Eat More and Do Less?
- Dynamic Heterogeneity of Exercising Muscle O₂ Exchange
- Impact of Sildenafil Citrate (Viagra) on Exercise Capacity and Sport
- Lactate and Cancer
- **Look AHEAD Multi-Center Trial: Methods and Contributions of Fitness and Activity**
- Metabolic Flexibility: An Integrative Perspective on Substrate Utilization
- Mitigating Bone Loss during Energy Restriction: Considerations for Diet and Exercise
- **Multi-organ Effects of Physical Activity on Health**
- Role of Glycogen in Regulating Skeletal Muscle Function

Professional Development/Organizational Information

- ACSM Membership/Involvement - Career Impact: Past Presidents' Perspective
- ACSM Position Stand: Update 2012
- **Increasing Physician Involvement in ACSM: Planning for EIM and Beyond**
- **Policy Approaches to Physical Activity in California**
- Public Health Head in SF

Psychology, Behavior, and Neurobiology

Featured Science Session

Getting the Chronically Inactive off the Couch: Does Theory Work?

Janet Buckworth, FACSM

Claudio R. Nigg

Gaston Godin

- APA Exchange Lecture
- Central Fatigue - Back to the "Soup" and the "Sparks"
- Exercise, Pollution and the Brain
- **Using Physical Activity to Improve the Health of Rural Populations: A Call to Action**
- What Creates A Sporting Genius - New Concepts in Talent ID

Skeletal Muscle, Bone, and Connective Tissue

Featured Science Session

Cellular Regulators of Metabolic Function During Exercise

Erik A. Richter

Christoph Handschin

- aSIRting Control on Cellular Metabolism: Role of the Sirtuins in Health
- Biological Mechanisms Underlying Tendon Injuries: Why it is Clinically Relevant
- Exercise and Free Radicals: Impact on Muscle Function and Adaptation
- Exercise Induced Activation of Bioenergetic Pathways in Skeletal Muscle
- How do Satellite Cells in Human Subjects Behave?
- **Modification of Insulin Sensitivity and Glycemic Control by Activity and Exercise**
- Muscle Damage: Digging into the Details
- Muscle Loss With Aging and Inactivity
- Picking the 'Winners': Molecular and Mechanistic Keys to Optimal Exercise Adaptation
- Sex Steroids and Exercise in Musculoskeletal Health
- Skeletal Muscle Myokines in Exercise and Health
- The Role of Amino Acid Transporters in the Control of Muscle Mass
- The Role of "Atrogenes" in Muscle Atrophy
- The Role of Inflammation in Skeletal Muscle, Connective Tissue, and Exertional Injuries: To Block or Not to Block?
- What is the Evidence for a Menstrual Cycle-Based Training? An Update

Basic Science Focus Day

Robust basic science symposia and "best of the best" basic science posters will be showcased on Thursday. See symposia scheduled below. Programming will integrate basic, translation, clinical and population-based science.

aSIRting Control on Cellular Metabolism: Role of the Sirtuins in Health

Keith Baar, FACSM

Andrew Philp

Simon Schenk

Eric Verdin

Raul Mostoslavsky

Exercise and Free Radicals: Impact on Muscle Function and Adaptation

Scott K. Powers, FACSM

David S. Criswell, FACSM

Michael Reid

Malcolm Jackson

Skeletal Muscle Myokines in Exercise and Health

Thomas L. Clanton

Bente Pedersen

Lebris S. Quinn

Stefan Rose-John

Steven Welc

Treating Spinal Cord Injuries: 30-yr Journey to Translate Basic Science To the Clinic

Frank Booth, FACSM

Kenneth Baldwin, FACSM

Roland Roy

Susan Harkema

V Reggie Edgerton

Building Your EIM Global Network

Exercise is Medicine strives to make physical activity an integral part of health care around the globe. Exercise is Medicine has built the global infrastructure to support a global network for physical activity in health care and the program has grown from an idea to a global initiative. Now that Exercise is Medicine is established, it is time to take action. As ambassadors for Exercise is Medicine, whether scientists, health care providers, researchers, fitness professionals or students, everyone plays a critical role in the Exercise is Medicine Network.



This year, learn how you can be a part of the Exercise is Medicine Global Network and how the Global Network can help you. Come together with colleagues from around the globe and learn how to utilize the Exercise is Medicine initiative and network in your daily life.

Programming will include practical information on how to develop your local network and how to utilize the existing network in your business and profession. Whether you are a nurse, physician or exercise physiologist, from Colombia, Singapore or Germany, join colleagues and build your global network!

See page 9 for a complete listing of all Exercise is Medicine sessions that will be held at this year's meeting.

Support for the Exercise is Medicine® Global Initiative is Provided By:

EIM Global Partners:

Founding Partner



Founding Partner



EIM Global Advocates:





ACSM
Annual
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World Congress on
**Exercise
is Medicine®**



EIM Sessions

- Are High-Intensity Exercise Studies Relevant for Generating Public Health Guidelines?
- Bridging the Gap: Linking Physicians and Exercise Professionals with Technology
- Changing a Sedentary Lifestyle in Patients with Neurological Disorders
- Clinical Lifestyle Intervention Programs for Patients with Chronic Disease
- Current Research in Exercise and Metabolic Implications after Spinal Cord Injury
- EIM Certification: Referral for Exercise, Who is Qualified?
- EIM On Campus: So Easy, Even a Student Can Lead the Effort!
- EIM: Ethical Considerations
- Exercise as a Cognitive Enhancer: How to Walk the Walk
- Exercise Deficit Disorder in Youth: Play now or Pay Later
- Exercise is Medicine for Underserved Populations: Challenges and Opportunities
- Exercise is Medicine: Stories from Practice-based Evidence
- Exercise Physiology in 50 Minutes
- Exercise Prescription for Depression: Empirical Evidence and Clinical Perspectives
- Generating Lasting Motivating for Physical Activity: What You Need to Know
- Implementing Exercise Is Medicine into the Care of Pregnant Women
- Implementing Physical Activity Prescriptions in Clinical Practice—An International Perspective
- Implementing the 5As of Physical Activity Counseling into Clinical Practice
- Is EIM Good Business?
- Meditative Movement as a Category of Exercise: Standards for Research and Practice
- Modernizing Medical Education: A Call to Teach Exercise as Medicine
- Motivational Interviewing to Promote Physical Activity
- Novel Experimental Evidence for the Inactivity Physiology Paradigm
- Physical Activity, Physical Fitness and Academic Performance
- Protein Needs for Exercise and Medicine. 10 questions/10 experts: PINES Special Event
- Role of Exercise Training in Severely Diseased Patients
- Taiji and Qigong: Multi-Dimensional Exercise for Successful Aging
- The Role of Allied Health Professions in Promoting Exercise is Medicine

Become a supporter or exhibitor at the Annual Meeting!

Expose your company to thousands of ACSM members, either through 16½ hours of face-time in the Exhibit Hall or by having your logo placed on conference materials and signage. For more information on exhibiting, contact Anne Krug at akrug@acsm.org. To learn about support opportunities, contact Eric Utterback at eutterback@acsm.org.



Housing

The San Francisco Marriott Marquis is the headquarter hotel for the Annual Meeting. Rooms are also available at several other nearby hotels at a variety of price points. All hotel reservations must be made through the ACSM Housing Bureau. Please visit www.acsmannualmeeting.org for hotel and rate details, and to make a reservation. The housing deadline is April 30, 2012. Reserve your room early to secure your preferred hotel.

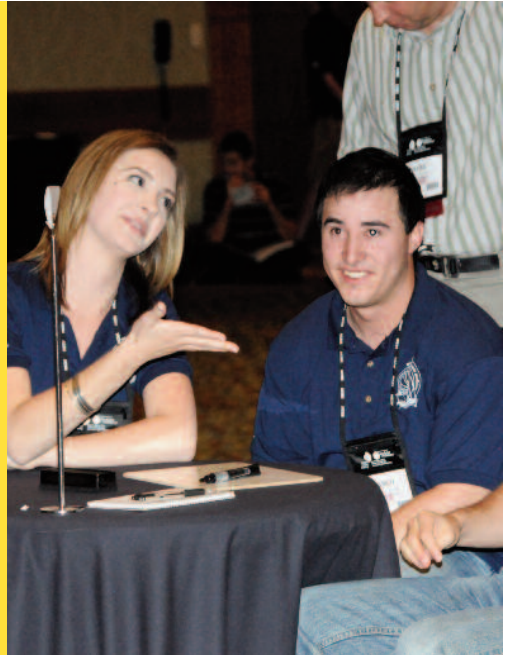
Travel

ALTOUR is ACSM's preferred travel agency and can assist with travel plans. Call 800-428-6186 to speak with an agent.

Students—More for You in San Francisco!

- **Student Lounge** There will be a special area in the exhibit hall where students can gather. Look for signage on site, so you can stop by, take a load off, and meet fellow students, make new friends, and read over your annual meeting materials. As an added bonus, we will offer short sessions with ACSM members that can help you navigate your career.
- **Student Colloquium:** Focusing on career discussions, we have invited professionals from the industry and research areas in addition to an expert to help those in the “pre-” professional stage of their life. Stay tuned to the student section of the ACSM website and the Advance Program for the list of speakers and expertise.
- **Student Volunteer Program:** If you are interested in cutting costs of your registration by dedicating at least four hours of time working for ACSM, this program is for you! Contact kjpierce@acsm.org starting February 15, 2012 to be sent information and scheduling options.

These, along with our popular **meet the experts** session and **help desk**, will be detailed in the coming months so you can schedule your time in beautiful San Francisco!



Career Opportunities

- **On-site Job Boards:** This is a popular attraction for new graduates and attendees searching for a job. Employers may post free job announcements on-site.
- **Access Online Job Postings:** Post your resume online or access job/internship/fellowship postings during the meeting.



**AMERICAN COLLEGE
of SPORTS MEDICINE®**

LEADING THE WAY

401 WEST MICHIGAN STREET

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Mark Your Calendar for These Important Meeting Dates, Deadlines, and Discounts in 2012!

November 1	Abstract Submission Deadline
February	Abstract Submitters Receive Accept/Reject Notifications
March 13	First Early Registration Deadline-Best Value for New ACSM Members (see page 11 for details)
March	ACSM Annual Meeting and World Congress on Exercise is Medicine Advance Program Available
April 24	Last Cut-off for Discounted Registration
April 30	Cut-off for Hotel Reservations
May 13	Pre-registration Services End
May 29-June 2	ACSM's 59th Annual Meeting and 3rd World Congress on Exercise is Medicine
June 2	Introduction to Musculoskeletal Ultrasound Post-conference
June 20	2013 Annual Meeting Proposals Due