

Preliminary Program



ASBMR 2011 Annual Meeting

September 16 – 20, 2011
San Diego Convention Center
San Diego, California, USA

The American Society for Bone and Mineral Research

2025 M Street, NW, Suite 800 Washington, DC 20036-3309 USA

Phone: +1 (202) 367-1161 | Fax: +1 (202) 367-2161

Email: asbmr@asbmr.org

Letter from the ASBMR President

2011 Scientific Program Committee

ASBMR President

Sundeep Khosla, M.D.
Mayo Clinic (USA)

Program Co-Chairs

Suzanne Jan De Beur, M.D.
Johns Hopkins University
(USA)

Dwight Towler, M.D., Ph.D.
Washington University in
St. Louis (USA)

2011 Annual Conference

Please join us for the ASBMR 2011 Annual Meeting, September 16–20, 2011 at the San Diego Convention Center. Program Co-Chairs Suzanne Jan De Beur, M.D., and Dwight Towler, M.D., Ph.D., have developed a comprehensive meeting bringing together the newest advances in bone and mineral research with practical applications to enhance patient care. As always, the ASBMR 2011 Annual Meeting features numerous opportunities for you to connect with your colleagues and discuss your work.

Exciting Research Developments

This year's Annual Meeting features presentations from the leading minds in our field. Choose from more than 100 scientific sessions highlighting the most exciting advancements in basic, translational, and clinical research. We will begin with a plenary symposium on *Muscle and Bone Interactions* presented by five leaders in the field. Later, Lynda F. Bonewald will deliver the Louis V. Avioli Lecture on *Osteocytes: The Great Communicators*, and Eric Olson will present the Gerald D. Aurbach Lecture on *MicroRNA Control of Muscle Development and Disease*.

Translating Science Into Care

ASBMR is focused on the translation of important scientific research into improved patient care. New in this year's scientific program is a Clinical Track to identify for clinicians the most relevant sessions, including a new Clinical Evening dinner and CME opportunity. We are also excited to announce that this year's meeting will include patient education sessions for those affected by bone diseases to learn about the latest research and best practices.

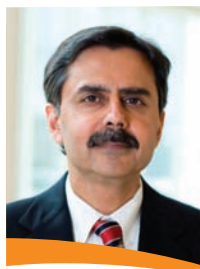
Making Valuable Connections

Once again, the ASBMR 2011 Annual Meeting will offer many opportunities to connect and engage with your colleagues. On Friday, September 16, join us for the Welcome Reception and Plenary Poster Session in the Exhibit Hall. There will also be a Networking Breakfast on Saturday, September 17, as well as a special ASBMR Social Event that evening. Young Investigators and under-represented minorities are invited to special Networking Hours taking place on Friday, September 16, following the Welcome Reception. And, of course, all attendees are invited to participate in our interactive Meet-the-Professor sessions to discuss topics of personal interest.

We hope you will join us for the ASBMR 2011 Annual Meeting. Be sure to register on or before July 21, 2011 to receive the advance registration discount.

Sincerely,

Sundeep Khosla



Sundeep Khosla, M.D.
President

Ann L. Elderkin



Ann L. Elderkin, P.A.
Executive Director

General Meeting Information

Continuing Medical Education (CME)

This educational activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Institute for the Advancement of Human Behavior (IAHB) and the American Society for Bone and Mineral Research (ASBMR). The IAHB is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Statement

IAHB designates this educational activity for a maximum of 35.5 AMA PRA Category 1 Credits™.

Physicians should only claim credit commensurate with the extent of their participation in the activity.

Online CME

The CME online evaluation will be available beginning Monday, September 26. *Please note:* There will be a \$50 fee per application. This fee can be paid when you register for the Annual Meeting. Please check the Continuing Medical Education Credits (CME) box under Optional Events and Products. Should you have questions, contact Jillian Davis at (651) 789-3722 or jillian@cmehelp.com.

Disclosure Policy

The American Society for Bone and Mineral Research is committed to ensuring the balance, independence, objectivity and scientific rigor of all its individually sponsored or industry-supported educational activities. Accordingly, ASBMR adheres to the requirement set by ACCME that audiences at jointly sponsored educational programs be informed of a presenter's (speaker, faculty, author or planner) academic and professional affiliations, and the disclosure of the existence of any significant financial interest or other relationship a presenter or their spouse has with any proprietary entity over the past twelve months producing, marketing,

Intended Audience

The 2011 ASBMR Official Scientific Program is designed for researchers, physicians and other health and allied health professionals with interests in:

- ▶ Biomechanics
- ▶ Cell Biology
- ▶ Dentistry
- ▶ Endocrinology
- ▶ Epidemiology
- ▶ Genetics
- ▶ Internal Medicine
- ▶ Metabolism and Musculoskeletal Research
- ▶ Molecular Biology
- ▶ Molecular Genetics
- ▶ Nephrology
- ▶ Orthopaedics
- ▶ Pathology
- ▶ Pharmacology
- ▶ Physiology
- ▶ Rheumatology

Meeting Objectives

Upon returning home from the meeting, participants should be able to:

- ▶ Discuss the most current and significant advances in biomedical and clinical research in bone and mineral metabolism, specifically in the areas of muscle and bone, vitamin D, osteoporosis, metabolic bone diseases and therapeutics.
- ▶ Better understand the interrelationship among basic research, clinical research and patient care.
- ▶ Improve their ability to treat and care for patients through an enhanced knowledge of osteoporosis, other diseases of bone, basic bone biology and its correlation to mineral metabolism.
- ▶ Develop new and enhanced strategies for the diagnosis and treatment of patients with disorders of bone and mineral metabolism.

General Meeting Information

Continued from page 3

re-selling or distributing health care goods or services consumed by, or used on patients, with the exemption of non-profit or government organizations and non-health-care-related companies. When an unlabeled use of a commercial product, or an investigational use not yet approved for any purpose, is discussed during the presentation, it is required that presenters disclose that the product is not labeled for the use under discussion or that the product is still investigational. This policy allows the listener/ attendee to be fully knowledgeable in evaluating the information being presented. The *On-Site Program* book will note those speakers who have disclosed relationships, including the nature of the relationship and the associated commercial entity.

Disclosure should include any relationship that may bias one's presentation or which, if known, could give the perception of bias. This includes relevant financial relationships of a spouse or partner. Disclosures will be printed in the program materials. These situations may include, but are not limited to: 1) Stock options or bond holdings in a for-profit corporation or self-directed pension plan; 2) Research grants; 3) Employment (full or part-time); 4) Ownership or partnership; 5) Consulting fees or other remuneration (payment); 6) Non-remunerative positions of influence such as officer, board member, trustee or public spokesperson; 7) Receipt of royalties; 8) Speaker's bureau; 9) Other.

ASBMR Expectations of Authors and Presenters

Through ASBMR meetings, the Society promotes excellence in bone and mineral research. To that end, ASBMR expects that all authors and presenters affiliated with the ASBMR 2011 Annual Meeting and the 2011 Ancillary Program will provide informative and fully accurate content that reflects the highest level of scientific rigor and integrity.

ASBMR depends upon the honesty of the authors and presenters and relies on their assertions that they have had sufficient full access to the data and are convinced of its reliability.

Furthermore, ASBMR expects that:

- ▶ Authors and presenters will disclose any conflicts of interest, real or perceived.
- ▶ Authors of an abstract describing a study funded by an organization with a proprietary or financial interest must affirm that they had full access to all the data in the study. By so doing, they accept complete responsibility for the integrity of the data and the accuracy of the data analysis.
- ▶ The content of abstracts, presentations, slides and reference materials must remain the ultimate responsibility of the author(s) or faculty.
- ▶ The planning, content and execution of abstracts, speaker presentations, slides, abstracts and reference materials should be free from corporate influence, bias or control.
- ▶ All authors and presenters (invited and abstracts-based oral and poster presenters) should give a balanced view of therapeutic options by providing several treatment options, whenever possible, and by always citing the best available evidence.

In addition, ASBMR's meeting evaluations will seek feedback regarding commercial bias at ASBMR Annual Meeting sessions, including the 2011 Ancillary Program.

Annual Meeting Resource Materials

2011 Abstracts Book

The 2011 Abstracts book is published as a supplement of the *Journal of Bone and Mineral Research* (JBMR).

A limited number of the 2011 Abstracts books will be printed and available for purchase and pick-up on site in San Diego. To obtain a copy, you must order it in advance through the registration form on or before Wednesday, August 3. The price of the book is \$25. The 2011 Abstracts book will also be available in PDF format for download in advance of the meeting at no charge to members and meeting attendees.

General Meeting Information

Continued from page 4

2011 Abstracts on CD-ROM

As a registered meeting attendee, you will receive a copy of the ASBMR 2011 Annual Meeting abstracts on CD-ROM, allowing you the ability to perform customized searches and reviews of abstracts while at the meeting. The Abstracts on CD-ROM will be available at the registration counter.

2011 Abstracts On-line Program

Only members and pre-registered Annual Meeting attendees will be able to access the 2011 Abstracts On-line Program before the Annual Meeting. This tool can be used to help you search for and review abstract presentations, as well as plan your meeting itinerary. You may access this convenient program via the ASBMR website at www.asbmr.org starting mid-August 2011.

Meet-the-Professor Handout Booklet

The Meet-the-Professor Handout Booklet contains all the handouts supplied by the professors in one convenient booklet. The

booklet can be purchased in advance through the registration form to be picked up on site at the Convention Center for \$10.

On-Site Program Book

Supported by an Educational Grant from Lilly USA, LLC.

As a registered meeting attendee you will receive an *On-Site Program* book along with other meeting materials once you arrive at the Convention Center and check in at the registration counter. This book contains a detailed schedule and description of the events for the entire meeting, including the Ancillary Program.

Ancillary Meetings

If you are looking to connect with colleagues on a special topic or reconnect with former classmates for a mini reunion, we have a process that might help you. Applications need to be submitted on or before July 15, 2011, and space is limited. For more information visit www.asbmr.org.



Networking & Social Opportunities

NIH Lounge

Representatives from the U.S. National Institutes of Health (NIH) and the Center for Scientific Review (CSR) will be in a special section of the ASBMR Networking Center to discuss grant proposals and ideas. Program staff from the following institutes and centers will be available to talk with you:

- ▶ National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
- ▶ National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
- ▶ National Cancer Institute (NCI)
- ▶ National Institute of Dental and Craniofacial Research (NIDCR)
- ▶ National Institute on Aging (NIA)
- ▶ National Institute of Child Health and Human Development (NICHD)
- ▶ Center for Scientific Review (CSR)

Young Investigator Lounge

All young investigator attendees are invited to drop by the Young Investigator Lounge located in the Exhibit Hall. Don't miss this opportunity to make new friends and expand your network of colleagues.



Networking & Social Opportunities

Continued from page 6

Not-to-Miss Events

FRIDAY, SEPTEMBER 16

Welcome Reception and Plenary Poster Session

5:45 pm – 7:00 pm

Attendees and registered guests are invited to meet and mingle during our Wine and Cheese Welcome Reception and Plenary Poster Session in the Exhibit Hall of the San Diego Convention Center. Simply display your badge for admission. Guests may purchase a badge for \$40 at the ASBMR Registration Counter for entrance to the Welcome Reception.

New Investigator/New Member/First-time Attendee Reception

5:45 pm – 7:00 pm

Sponsored by the ASBMR Membership Development Committee

The ASBMR Membership Development Committee and Young Investigator Subcommittee members will be in attendance for this meet-and-greet networking event. The reception has been organized to promote interactions among young investigators and ASBMR leadership so that they may begin building a network of career-long contacts. The New Investigator/New Member/First-time Attendee Reception will be held concurrently with the Welcome Reception and the Plenary Poster Session in a designated area adjacent to the ASBMR Networking Center in the Exhibit Hall at the San Diego Convention Center.

Minority Investigator Reception

5:45 pm – 7:00 pm

Sponsored by the ASBMR Membership Development Committee

This reception fosters interactivity by providing attendees with the opportunity to meet other attendees and ASBMR leadership, including the ASBMR Minority Subcommittee members. The Reception will be held concurrently with the Welcome Reception and the Plenary Poster Session in a designated area adjacent to the ASBMR Networking Center in the Exhibit Hall of the San Diego Convention Center.

Young Investigator Networking Hour

7:00 pm – 8:00 pm

Sponsored by the ASBMR Membership Development Committee

This cash-bar event is open to Young Investigators who want to continue to build connections with peers in a fun and informal setting. Sign up to attend when you register for the meeting.

Minority Investigator Networking Hour

7:00 pm – 8:00 pm

Sponsored by the ASBMR Membership Development Committee

Investigators are invited to attend this cash-bar event open to under-represented minority investigators who want to continue fostering new professional relationships in a fun and informal setting. Sign up to attend when you register for the meeting.

Networking & Social Opportunities

Continued from page 7



SATURDAY, SEPTEMBER 17

ASBMR Networking Breakfast

Sponsored by the ASBMR Membership Development Committee

6:45 am – 8:00 am

New Investigators (early-career stage), new ASBMR members and young and under-represented minority investigators are invited to join the ASBMR Membership Development Committee and colleagues for an informational breakfast. New Investigators and first-time attendees are encouraged to pick up a “New Investigator” or “First-time Attendee” ribbon, which will be distributed at the entrance to the room. Breakfast will be provided.

ASBMR Social Event – California Dreamin’

8:30 pm – 11:30 pm

Supported in part by a grant from Lilly USA, LLC

What better way to catch up with current friends and meet new ones than with some drinks, some sweets, a little dancing and a lot of fun? Join us in the ballroom and on the outdoor terrace at the Manchester Grand Hyatt for an evening you won’t soon forget as we celebrate Southern California culture. As always, there will be a fabulous live dance band and a surprise or two to enliven the evening. Enjoy dinner at one of San Diego’s fabulous restaurants and then join us for dessert, drinks, music and networking. Tickets are \$30. You are encouraged to purchase tickets in advance when you register online.

SUNDAY, SEPTEMBER 18



ASBMR Annual Town Hall Meeting and Reception

5:30 pm – 6:30 pm

You are invited to attend the ASBMR Town Hall Meeting and Reception at which you will learn about the Society, including the year in review, planned activities, strategic directions and leadership opportunities. The ASBMR Town Hall Meeting will be held at the San Diego Convention Center. Come learn more about ASBMR, meet with ASBMR leadership, ask questions during an “open-mic” time and enjoy a wine and cheese reception.

Networking & Social Opportunities

Continued from page 8

"The ASBMR Annual Meeting has always been the scientific highlight of the year. But it goes well beyond that and provides an opportunity to network, develop collaborations, and renew friendships."

*Sundeep Khosla, M.D.
ASBMR President*

ONGOING OPPORTUNITIES

Meet-the-Professor Sessions

The Meet-the-Professor Sessions are informal sessions designed to provide an opportunity to interact with experts in an intimate setting and discuss specific clinical and research topics. The sessions will be held Friday through Monday. Please be sure to purchase a Meet-the-Professor Handout Booklet, which contains all the handouts supplied by the professors. The booklet can be purchased for \$10 when you register and can be picked up on site at the Convention Center.

Poster Tours

Sponsored by the ASBMR Education Committee

The Annual Meeting Poster Session Tours will take place during each of the three poster sessions on Saturday, September 17; Sunday, September 18; and Monday, September 19.

These poster tours will be guided by a prominent scientist in the bone field to assist attendees in navigating the science within the poster hall. Participants will be able to choose between tours focused on either basic or clinical science. The tours will begin at the ASBMR Networking Center located in the Exhibit Hall in the San Diego Convention Center and will last approximately 60 minutes. Please visit the [ASBMR website](#) in mid-August to sign up for one of these exciting poster tours.

Working Groups

Working Groups are small interactive evening sessions organized around focused topics of special interest to you and others in your specific area of study. They are part of the ASBMR Ancillary Program and are organized by members independent of the Official ASBMR



Official Scientific Program Overview

FRIDAY, SEPTEMBER 16 *Click on the topics for more information*

8:30 am – 11:00 am	Plenary Symposium I – Muscle and Bone Interactions
11:00 am – 12:00 pm	Regulatory Opportunities and Challenges in Osteoporosis
	Meeting Overview for Health Professionals
	Meet-the-Professor Sessions
	Grant Writing Workshop: Navigating the NIH Resubmission Process
12:00 pm – 1:30 pm	Symposium – Osteoblast/Osteoclast Coupling
	Symposium – Controversies and Concepts in Musculoskeletal Frailty
1:45 pm – 3:15 pm	Symposium – Autophagy in Bone Health and Disease
	Symposium – Systems Approaches to Secondary Fracture Prevention: Doing Something that Actually Works
3:15 pm – 3:30 pm	Welcome & Announcements
	Presentation of ASBMR William F. Neuman Award
3:30 pm – 4:30 pm	Clinical Debate – Calcium Supplementation Is Safe and Effective
3:30 pm – 5:00 pm	State-of-the-Art Lecture – New Concepts in Bone Remodeling
5:00 pm – 5:45 pm	Oral Poster Session
5:45 pm – 7:00 pm	Welcome Reception & Plenary Poster Session
	New Investigator/New Member/First-Time-Attendee Reception
	Minority Investigator Reception
7:00 pm – 8:00 pm	Young Investigator and Minority Investigator Networking Hour
7:15 pm – 9:45 pm	Working Groups

SATURDAY, SEPTEMBER 17 *Click on the topics for more information*

6:45 am – 8:00 am	ASBMR Networking Breakfast
8:00 am – 9:10 am	Louis V. Avioli Memorial Lecture: Osteocytes – The Great Communicators, Lynda Bonewald
	Presentation of ASBMR Gideon A. Rodan Excellence in Mentorship Award & Lawrence G. Raisz Award
9:10 am – 9:30 am	Coffee Break
9:30 am – 11:00 am	Concurrent Orals
10:00 am – 11:00 am	Meet-the-Professor Sessions
11:00 am – 1:00 pm	Poster Session I & Poster Tours
1:00 pm – 2:00 pm	Clinical Roundtable/Case Conference – Anabolic Agents for Fracture Repair
	Meet-the-Professor Sessions
	Career Development: Building Interdisciplinary Collaboration in Research
2:15 pm – 3:45 pm	Concurrent Oral Sessions
3:30 pm – 4:00 pm	Coffee Break
4:00 pm – 5:30 pm	State-of-the-Art Lecture – Bone-Hematopoietic Interactions
	Clinical Update for Health Professionals
5:30 pm – 8:30 pm	Clinical Evening at ASBMR
8:30 pm – 11:30 pm	ASBMR Social Event – <i>California Dreamin'</i>

Official Scientific Program Overview

Continued from page 10



SUNDAY, SEPTEMBER 18 <i>Click on the topics for more information</i>	
8:00 am – 9:10 am	Gerald D. Aurbach Memorial Lecture: MicroRNA Control of Muscle Development and Disease, Eric Olson Presentation of ASBMR Fuller Albright Award & Frederic C. Bartter Award
9:10 am – 9:30 am	Coffee Break
9:30 am – 11:00 am	Concurrent Oral Sessions
10:00 am – 11:00 am	Meet-the-Professor Sessions
11:00 am – 1:00 pm	Poster Session II & Poster Tours
1:00 pm – 2:00 pm	Clinical Roundtable/Case Conference – Managing Musculoskeletal Disease in Chronic Renal Insufficiency Meet-the-Professor Sessions Biotechniques Workshop: Mouse Models
2:15 pm – 3:45 pm	Concurrent Oral Sessions
3:30 pm – 4:00 pm	Coffee Break
4:00 pm – 5:30 pm	State-of-the-Art Lecture – TRP Channel Signaling In Skeletal Physiology and Mineral Metabolism Clinical Update for Health Professionals – IOM Report on Vitamin D
5:30 pm – 6:30 pm	ASBMR Town Hall Meeting and Reception
6:30 pm – 9:30 pm	Women in Bone and Mineral Research Committee Event – Getting What You Want: The Art of Negotiation
6:30 pm – 9:30 pm	Working Groups

MONDAY, SEPTEMBER 19 <i>Click on the topics for more information</i>	
8:00 am – 9:35 am	Plenary Symposium II – Lipotoxicity: Bad to the Bone Presentation of ASBMR Paula Stern Achievement Award
9:35 am – 10:00 am	Coffee Break
10:00 am – 11:30 am	Concurrent Oral Sessions
11:30 am – 1:30 pm	Poster Session III & Poster Tours
1:30 pm – 2:30 pm	Clinical Roundtable/Case Conference – Monitoring Osteoporosis Therapy – To Scan or Not to Scan? Meet-the-Professor Sessions Advocating for Science in Challenging Times
2:45 pm – 4:15 pm	Concurrent Oral Sessions
4:00 pm – 4:30 pm	Coffee Break
4:30 pm – 6:00 pm	Concurrent Oral Sessions
6:30 pm – 8:45 pm	Working Groups

TUESDAY, SEPTEMBER 20 <i>Click on the topics for more information</i>	
8:30 am – 10:00 am	Concurrent Oral Sessions
10:00 am – 10:15 am	Coffee Break
10:15 am – 12:00 pm	Plenary Symposium III – Novel Genetic and Epigenetic Approaches to Human Disease Presentation of ASBMR Shirley Hohl Service Award & Louis V. Avioli Memorial Founders Award

EXHIBITS OPEN

Friday, September 16, 2011	5:45 pm – 7:00 pm
Saturday, September 17, 2011	9:00 am – 4:00 pm
Sunday, September 18, 2011	9:00 am – 4:00 pm
Monday, September 19, 2011	9:30 am – 4:30 pm

POSTER VIEWING OPEN

Friday, September 16, 2011	5:45 pm – 7:00 pm
Saturday, September 17, 2011	8:00 am – 6:00 pm
Sunday, September 18, 2011	8:00 am – 6:00 pm
Monday, September 19, 2011	8:00 am – 4:30 pm

Plenary Lectures

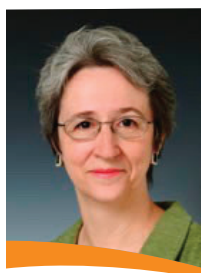
Louis V. Avioli Lecture

*Supported by an Educational Grant from
Lilly USA, LLC*

Saturday, September 17
8:00 am – 9:00 am

Osteocytes: The Great Communicators

**Lynda F. Bonewald, Ph.D., University of
Missouri at Kansas City (USA)**



Lynda F. Bonewald, Ph.D. is the Vice Chancellor for Research Interim, Curators Professor, Lee M. and William L. Lefkowitz/ Missouri Endowed Professorship, Director of the Bone Biology Research Program and Director of

the University of Missouri at Kansas City (UMKC) Center of Excellence in the Study of Dental and Musculoskeletal (Mineralized) Tissues at the University of Missouri at Kansas City.

Dr. Bonewald received her Ph.D. in 1984 from the Medical University of South Carolina in Immunology and Microbiology, performed her postdoctoral fellowship with Dr. Makio Ogawa in the area of hemopoietic stem cell growth factors, before joining Dr. Gregory Mundy's group at the University of Texas Health Science Center in San Antonio in 1986 as an assistant professor. She moved to UMKC in 2001 where her research has focused on osteocyte biology and she is director of an NIH NIAMS program project entitled "Osteocyte Function and Effects of Mechanical Strain." She has been appointed to serve on Council for NIAMS, is an Associate Editor for *Journal for Bone and Mineral Research* and serves on the editorial boards for the *Journal for Biomolecular Techniques*, *Bone* and *Experimental Biology and Medicine*. Dr. Bonewald is the recipient of the Distinguished Scientist award in the area of mineralized tissue from AADR/IADR and the Remodeling in Bone Award from the Sun Valley Workshop.

Gerald D. Aurbach Lecture

Sunday, September 18, 2011
8:00 am – 9:00 am

MicroRNA Control of Muscle Development and Disease

**Eric Olson, Ph.D., University of Texas
Southwestern Medical Center (USA)**



Eric Olson is professor and chair of the Department of Molecular Biology at the University of Texas Southwestern Medical Center, where he also is the Robert A. Welch Distinguished Chair, the Annie and Willie Nelson

Professor and the Pogue Distinguished Chair in Research on Cardiac Birth Defects.

He has dedicated his career to deciphering the mechanisms that control muscle gene regulation and development. He and his colleagues discovered key transcription factors and mechanisms responsible for heart development and congenital heart disease. Most recently, he has discovered key roles for microRNAs in muscle development and disease.

Dr. Olson attended Wake Forest University, receiving a B.A. in Chemistry and Biology, a Ph.D. in Biochemistry and an honorary doctorate. After postdoctoral training at Washington University School of Medicine, he joined the Department of Biochemistry and Molecular Biology at M.D. Anderson Cancer Center in 1984 and became Professor and Chairman in 1991. In 1995, he founded the Department of Molecular Biology at The University of Texas Southwestern Medical Center.

Dr. Olson is a member of the American Academy of Arts and Sciences, the U.S. National Academy of Sciences and its Institute of Medicine. He co-founded Myogen, Inc., a biotechnology company focusing on therapies for heart muscle disease, and Miragen Therapeutics, a biotechnology company focusing on microRNAs as therapeutics for cardiovascular disease.

Symposia

Symposia are sessions that feature three to four invited talks covering basic and/or clinical topics.

FRIDAY, SEPTEMBER 16, 2011

Plenary Symposium I: Muscle and Bone Interactions

8:30 am – 11:00 am

Supported by an Educational Grant from Merck & Co., Inc.

Chair:

Suzanne Jan De Beur, M.D., Johns Hopkins University (USA)

Introduction

Stephen Katz, M.D., Ph.D., Director, National Institute of Arthritis and Musculoskeletal and Skin Diseases (USA)

The Growth Hormone/IGF-1 Axis in Skeletal Muscle

Thomas Clemens, Ph.D., Johns Hopkins University (USA)

Mitochondrial Biogenesis and Function in Aging, Obesity and Muscle Cell Physiology

Gerald Shulman, M.D., Ph.D., Howard Hughes Medical Institute, Yale Medical School (USA)

Myokines: Key Regulators of the Muscle-Bone Unit

Mark Hamrick, Ph.D., Medical College of Georgia (USA)

Androgen Biology in Musculoskeletal Health and Frailty

Shalender Bhasin, M.D., Boston University School of Medicine (USA)

Symposium – Osteoblast/Osteoclast Coupling

12:00 pm – 1:30 pm

Supported by an Educational Grant from Lilly USA, LLC

Co-Chairs:

Deborah Novack, M.D., Ph.D., Washington University in St. Louis School of Medicine (USA)

Laurie McCauley, D.D.S., Ph.D., University of Michigan School of Dentistry (USA)

Matricrine Coupling of Bone Resorption and Formation

Xu Cao, Ph.D., Johns Hopkins University (USA)

Osteoclast Control of Osteoblast-Mediated Bone Formation

Merry Jo Oursler, Ph.D., Mayo Clinic (USA)

Coupling Factors: Lessons from Ephs and Ephrins

Koichi Matsuo, M.D., Ph.D., School of Medicine, Keio University (Japan)

Symposium – Controversies and Concepts in Musculoskeletal Frailty

12:00 pm – 1:30 pm

Co-Chairs:

Susan Greenspan, M.D., University of Pittsburgh (USA)

Douglas Kiel, M.D., MPH, Hebrew SeniorLife (USA)

Definition of Sarcopenia and Frailty

Stephanie Studenski, M.D., MPH, VA Pittsburgh Healthcare System

Predicting Fall Risks by Using Dynamic Assessments

Kenton Kaufman, Ph.D., P.E., Mayo Clinic (USA)

Nonpharmacologic Approaches to Reversing Sarcopenia

Wendy Kohrt, Ph.D., University of Colorado Denver (USA)



Symposia

Continued from page 13

Symposia are sessions that feature three to four invited talks covering basic and/or clinical topics.

FRIDAY, SEPTEMBER 16, 2011 (Continued)

Symposium – Autophagy in Bone Health and Disease

1:45 pm – 3:15 pm

Co-Chairs:

Lynne Hocking, University of Aberdeen (United Kingdom)

Steven Teitelbaum, M.D., Washington University in St. Louis School of Medicine (USA)

Autophagy and Its Regulation and Relevance to Musculoskeletal Health and Frailty

Chris Weihl, M.D., Ph.D., Washington University St. Louis (USA)

Role of Autophagy in Disorders of Osteoclast Dysfunction

Miep Helfrich, Ph.D., University of Aberdeen (United Kingdom)

Autophagy in Osteoblast Function

Caroline Whitehouse, Ph.D., King's College London (United Kingdom)

Symposium – Systems Approaches to Secondary Fracture Prevention: Doing Something that Actually Works

1:45 pm – 3:15 pm

Co-Chairs:

John Eisman, MBBS, Ph.D., Garvan Institute of Medical Research (Australia)

Ethel Siris, M.D., Columbia University College of Physicians and Surgeons (USA)

The Glasgow UK Experiment: What a Working System Can Deliver

Alastair McLellan, M.D., MBChB (United Kingdom)

The China Syndrome

Edith Lau, M.D., Hong Kong Orthopaedic and Osteoporosis Center for Treatment and Research (Hong Kong)

Kaiser and Enlightened Self-Interest

Richard Dell, M.D., Kaiser (USA)

The Five P's: Aligning the Interests of Patients, Physicians, Politicians, Pharmaceutical Companies & Third-party Payers

Paul James Mitchell, BSc, University of Derby (United Kingdom)

State-of-the-Art Lecture – New Concepts in Bone Remodeling

3:30 pm – 5:00 pm

Supported by an Education Grant from Lilly USA, LLC

Co-Chairs

Erik Fink Eriksen, M.D., DMSc, Oslo University Hospital (Norway)

Thomas John Martin, M.D., DSc, St. Vincent's Institute of Medical Research (Australia)

Overview of Bone Remodeling

David Dempster, Ph.D., Columbia University (USA)

Bone Remodeling Compartment in Humans

Thomas Levin Andersen, M.S., Vejle Hospital, IRS-CSFU, University of Southern Denmark (Denmark)

Osteomac Canopy in Mice

Allison Pettit, Ph.D., University of Queensland (Australia)



Symposia

Continued from page 14

Symposia are sessions that feature three to four invited talks covering basic and/or clinical topics.

SATURDAY, SEPTEMBER 17, 2011

State-of-the-Art Lecture – Bone-Hematopoietic Interactions

4:00 pm – 5:30 pm

Supported by an Educational Grant from Merck & Co., Inc.

Co-Chairs:

Henry Kronenberg, M.D., Massachusetts General Hospital (USA)

Laura Calvi, M.D., University of Rochester School of Medicine (USA)

Multiple Myeloma

John Shaughnessy Jr., Ph.D., University of Arkansas for Medical Sciences (USA)

Overview of the Hematopoietic Niche, Its Cellular Dynamics and Neuroendocrine Regulation

Paul Frenette, M.D., Ruth L. and David S. Gottesman Institute for Stem Cell and Regenerative Medicine (USA)

Overview of Marrow B-cell Development and Its Regulation by Osteoblast-dependent Gs- α Signaling

Joy Wu, M.D., Ph.D., Massachusetts General Hospital (USA)

Clinical Update for Health Professionals

4:00 pm – 5:30 pm

Co-Chairs:

Betsy McClung, R.N., M.N., Oregon Osteoporosis Center (USA)

Diane Krueger, CCRC, CDT, University of Wisconsin, Madison (USA)

Operationalizing Drug Holidays

Michael McClung, M.D., Oregon Osteoporosis Center (USA)

New Strategies in the Management of Glucocorticoid-Induced Osteoporosis

Kenneth Saag, M.D., MSc, University of Alabama at Birmingham (USA)

A Dental Perspective on Osteoporosis Therapy: New Applications and Long-Term Risks

Laurie McCauley, D.D.S., Ph.D., University of Michigan, School of Dentistry (USA)



Symposia

Continued from page 15

Symposia are sessions that feature three to four invited talks covering basic and/or clinical topics.

SUNDAY, SEPTEMBER 18, 2011

State-of-the-Art Lecture – TRP Channel Signaling In Skeletal Physiology and Mineral Metabolism

4:00 pm – 5:30 pm

Co-Chairs:

Geert Carmeliet, M.D., Ph.D., Katholieke Universiteit Leuven (Belgium)

Keith Hruska, M.D., Washington University in St. Louis School of Medicine (USA)

The Biology and Physiology of Epithelial Calcium and Magnesium Transport

Rene Bindels, Ph.D., Radboud University Nijmegen (The Netherlands)

TRP Regulation of Osteoblast and Osteoclast Physiology

Geert Carmeliet, M.D., Ph.D., Katholieke Universiteit Leuven (Belgium)

Molecular Genetics of TRPV4 in Chondrocyte Biology and Spondylometaphyseal Dysplasia

Deborah Krakow, M.D., David Geffen School of Medicine at UCLA (USA)

Clinical Update for Health Professionals – IOM Report on Vitamin D

4:00 pm – 5:30 pm

Chair:

Ethel Siris, M.D., Columbia University College of Physicians and Surgeons (USA)

The IOM Position and Cutoff of 20

Clifford Rosen, M.D., Maine Medical Center (USA)

Musculoskeletal Health and the Cutoff of 30

Bess Dawson-Hughes, M.D., Tufts University (USA)

Vitamin D in Children

Catherine Gordon, M.D., Children's Hospital Boston and Harvard Medical School (USA)

"I have attended the ASBMR annual meeting every year since 1993. I always come away from each meeting renewed and reinvigorated – excited by what I've learned and how it helps improve my research, teaching and patient care."

*Dwight A. Towler M.D., Ph.D.
ASBMR Program
Committee Co-Chair*



Symposia

Continued from page 16

Symposia are sessions that feature three to four invited talks covering basic and/or clinical topics.

MONDAY, SEPTEMBER 19, 2011

Plenary Symposium II – Lipotoxicity: Bad to the Bone

8:00 am – 9:30 am

Dedicated to the Life and Memory of Etsuro Ogata, M.D., Ph.D.

Supported by an Educational Grant from Chugai Pharmaceutical Co., Inc.

Co-Chairs:

Ann Schwartz, Ph.D., University of California, San Francisco (USA)

Beata Lecka-Czernik, Ph.D., University of Toledo College of Medicine (USA)

Fat and Bone: Location, Location, Location!
Clifford Rosen, M.D., Maine Medical Center (USA)

Ox-lipids in Bone: Their Formation and Impact on Osteoblasts and Osteoclasts
Linda Demer, M.D., Ph.D., David Geffen School of Medicine at UCLA (USA)

The Role of Lipid Oxidation in the Pathophysiology and Treatment of Osteoporosis
Robert Jilka, Ph.D., University of Arkansas for Medical Sciences (USA)

TUESDAY, SEPTEMBER 20, 2011

Plenary Symposium III – Novel Genetic and Epigenetic Approaches to Human Disease

10:15 am – 11:45 am

Co-Chairs:

Jennifer Westendorf, Ph.D., Mayo Clinic (USA)

Andre Van Wijnen, Ph.D., University of Massachusetts Medical School (USA)

Overview of Epigenetics and Disease
James Herman, M.D., Johns Hopkins University School of Medicine (USA)

MicroRNAs in Skeletal Development and Postnatal Bone Turnover

Jane Lian, Ph.D., University of Massachusetts Medical School (USA)

Systems Genetics: A Novel Approach for the Dissection of Complex Diseases
Charles Farber, M.D., University of Virginia (USA)



Meet-the-Professor Sessions

The Meet-the-Professor Sessions are informal sessions designed to provide an opportunity for meeting attendees to interact with experts in an intimate setting and discuss specific clinical and research topics. The sessions will be held Friday through Monday. Please be sure to purchase a Meet-the-Professor Handout Booklet which contains all the handouts supplied by the professors. The booklet can be purchased for \$10 when you register, to be picked up on site at the Convention Center.

Please Note:

Tickets are not required for these sessions; however, space is extremely limited. Interested individuals are welcome to attend these sessions on a first-come, first-served basis. Room restrictions and professor preferences will dictate the number of attendees.

FRIDAY, SEPTEMBER 16 • 11:00 am – 12:00 pm

Topic	Speaker	Type
Molecular Mechanisms of Mechanosensation in Bone	Randall Duncan, Ph.D. , University of Delaware (USA)	Basic
Angiogenesis and Bone: Lessons From Genetically Modified Mouse Models	Christa Maes, Ph.D. , Katholieke Universiteit Leuven (Belgium)	Basic
Progenitor Cells in the Biology of Ossification	Eileen Shore, Ph.D. , University of Pennsylvania (USA)	Basic
Nephrolithiasis	Murray Favus, M.D. , University of Chicago (USA)	Clinical
Using Bone Markers in Clinical Practice	Richard Eastell, M.D., FRCP , University of Sheffield (United Kingdom)	Clinical
Clinical Evaluation of High Bone Mass	Michael Econs, M.D. , Indiana University School of Medicine (USA)	Clinical
Hypophosphatasia and Mechanisms of Biom mineralization	Jose Luis Millan, Ph.D. , Sanford-Burnham Medical Research Institute (USA) Michael Whyte, M.D. , Shriners Hospital for Children (USA)	Translational

SATURDAY, SEPTEMBER 17 • 10:00 am – 11:00 am

Topic	Speaker	Type
Managing Bone Loss in Anorexia Nervosa Supported by an Educational Grant from Merck & Co., Inc.	Anne Klibanski, M.D. , Massachusetts General Hospital and Harvard Medical School (USA)	Clinical
Paget's Disease	David Roodman, M.D., Ph.D. , VA Pittsburgh Healthcare System (USA)	Clinical
Perimenopausal Bone Loss	Robert Recker, M.D. , Creighton University Osteoporosis Research Center (USA)	Clinical

Meet-the-Professor Sessions

Continued from page 18

SATURDAY, SEPTEMBER 17 • 1:00 pm – 2:00 pm

Topic	Speaker	Type
PTH/PTHrP Signaling In Osteocyte Physiology	Paola Pajevic Divieti, M.D., Ph.D. , Massachusetts General Hospital and Harvard Medical School (USA)	Basic
Phosphate Regulation of Chondrocyte Physiology and Fracture Repair	Marie Demay, M.D. , Massachusetts General Hospital and Harvard Medical School (USA)	Basic
Angiogenic Responses to Mechanical Loads	Matt Silva, Ph.D. , Washington University in St. Louis (USA)	Basic
Male Osteoporosis	Eric Orwoll, M.D. , Oregon Health and Science University (USA)	Clinical
Primary Hyperparathyroidism	John Bilezikian, M.D. , Columbia University (USA)	Clinical
Management of Skeletal Health in Women With Breast Cancer <i>Supported by an Educational Grant from Merck & Co., Inc.</i>	Meryl Leboff, M.D. , Brigham and Women's Hospital (USA)	Clinical
Understanding and Applying HRpQCT	Sharmila Majumdar, Ph.D. , University of California, San Francisco (USA) Elizabeth Shane, M.D. , Columbia University (USA)	Translational

SUNDAY, SEPTEMBER 18 • 10:00 am – 11:00 am

Topic	Speaker	Type
Male Osteoporosis	Eric Orwoll, M.D. , Oregon Health and Science University (USA)	Clinical
Primary Hyperparathyroidism	John Bilezikian, M.D. , Columbia University (USA)	Clinical
Management of Skeletal Health in Women with Breast Cancer <i>Supported by an Educational Grant from Merck & Co., Inc.</i>	Meryl Leboff, M.D. , Brigham and Women's Hospital (USA)	Clinical

Meet-the-Professor Sessions

Continued from page 19

SUNDAY, SEPTEMBER 18 • 1:00 pm – 2:00 pm

Topic	Speaker	Type
SOST Modulation of Bone Strength and Fracture Repair	Michael Ominsky, Ph.D. , Amgen Inc. (USA)	Basic
BMP Signaling in Skeletal Homeostasis and Fracture Repair	Vicki Rosen, Ph.D. , Harvard School of Dental Medicine (USA)	Basic
NPY Receptor Signaling in the Regulation of Bone Mass	Paul Baldock, Ph.D. , Garvan Institute (Australia)	Basic
The Primary Cilium and Mesenchymal Cell Fate	Christopher Jacobs, Ph.D. , Columbia University (USA)	Basic
Managing Bone Loss in Anorexia Nervosa	Anne Klibanski, M.D. , Massachusetts General Hospital and Harvard Medical School (USA)	Clinical
Paget's Disease	David Roodman, M.D., Ph.D. , VA Pittsburgh Healthcare System (USA)	Clinical
Premenopausal Bone Loss	Robert Recker, M.D. , Creighton University Osteoporosis Research Center (USA)	Clinical
Osteogenesis Imperfecta	Francis Glorieux, O.C., M.D., Ph.D. , Shriners Hospital for Children and McGill University (Canada) Brendan Lee, M.D., Ph.D. , Baylor College of Medicine (USA)	Translational

MONDAY, SEPTEMBER 19 • 1:30 pm – 2:30 pm

Topic	Speaker	Type
Osteoprogenitor Development and Differentiation	Paolo Bianco, M.D. , Universita La Sapienza (Italy)	Basic
Activins and Inhibins in Musculoskeletal Health	Dana Gaddy, Ph.D. , University of Arkansas for Medical Sciences (USA)	Basic
Human iPS Cells In Musculoskeletal Research	Alexander Lichtler, Ph.D. , University of Connecticut Health Center (USA)	Basic
Peak Bone Mass and Assessing Bone Density in Children	Laura Bachrach, M.D. , Stanford University School of Medicine (USA)	Clinical
Micronutrients and Bone	Connie Weaver, Ph.D. , Purdue University (USA)	Clinical
Managing Bone Health in the Bariatric Surgery Population	Shonni Silverberg, M.D. , Columbia University (USA)	Clinical
Vascular and Valvular Calcification	Linda Demer, M.D., Ph.D. , David Geffen School of Medicine at UCLA (USA) Nalini Rajamannan, M.D. , Northwestern University Medical School (USA)	Translational

Special Sessions

FRIDAY, SEPTEMBER 16

Regulatory Opportunities and Challenges in Osteoporosis

11:00 am – 12:00 pm

FDA Perspective, FDA Priorities and Overall Directions

Theresa Kehoe, M.D., Food and Drug Administration (USA)

Industry Perspective

Javier San Martin, M.D., Amgen, Inc. (USA)

Panel Discussion – Moderated by **Gayle Lester, Ph.D.**, National Institute of Arthritis and Musculoskeletal and Skin Diseases (USA)

Meeting Overview for Health Professionals

11:00 am – 12:00 pm

This special session is of interest to all health professionals, first-time meeting attendees, young investigators, individuals new to the field, nurses, clinical research study coordinators, physical therapists and/or those seeking guidance in navigating through the extensive ASBMR program.

Co-Chairs:

Betsy McClung, R.N., M.N., Oregon Osteoporosis Center (USA)

Diane Krueger, CCRC, CDT, University of Wisconsin, Madison (USA)

Basic Science Meeting Overview

Roland Baron, D.D.S., Ph.D., Harvard School of Medicine and of Dental Medicine (USA)

Clinical Science Meeting Overview

John Bilezikian, M.D., Columbia University College of Physicians and Surgeons (USA)

Grant-Writing Workshop: Navigating the NIH Resubmission Process

11:00 am – 12:00 pm

Co-sponsored by the ASBMR Membership Development and Education Committees

Recent changes to the U.S. National Institutes of Health grant application guidelines now allow for only one resubmission of a grant proposal. After that, proposals not funded must be substantially “re-designed” rather than simply changed in response to previous reviews and submitted

as a new grant proposal. U.S. and international investigators at all career levels are urged to attend this interactive forum that will include an “insider’s perspective” on winning strategies to utilize when resubmitting an NIH grant, as well as guidance on what one should consider when “re-designing” their proposal. This session is a can’t-miss opportunity for anyone writing a research grant or wanting to gain invaluable insight into the grant-writing process.

Co-Chairs:

Wenhan Chang, Ph.D., University of California, San Francisco (USA), Membership Development Committee Chair

Marian Hannan, DSc, MPH, Hebrew SeniorLife and Harvard Medical School (USA), Education Committee Chair

Strategies for Successfully Resubmitting Your NIH Grant Proposal

Jay Magaziner, Ph.D., University of Maryland, Baltimore (USA)

Demystifying the NIH Rules on “Re-designed” Grant Proposals

Joan McGowan, Ph.D., National Institutes of Health (USA)

Q&A – *Panelist Discussion:* **Jennifer Westendorf, Ph.D.**, Mayo Clinic (USA) and **Lynda Bonewald, Ph.D.**, University of Missouri, Kansas City (USA)

ASBMR/ECTS Clinical Debate – Calcium Supplementation Is Safe and Effective

3:30 pm – 4:30 pm

Co-Chairs:

Juliet Compston, M.D., FRCP, University of Cambridge School of Clinical Medicine (United Kingdom)

Robert Adler, M.D., McGuire VA Medical Center (USA)

Debaters:

Against Calcium Supplementation

Roger Francis, M.D., Institute for Aging and Health, Newcastle University (United Kingdom)

Pro Calcium Supplementation

Richard Prince, M.D., FRACP, Sir Charles Gairdner Hospital (Australia)



Special Sessions

Continued from page 21

SATURDAY, SEPTEMBER 17

Clinical Roundtable/Case Conference – Anabolic Agents for Fracture Repair

1:00 pm – 2:00 pm

Chair:

Michaela Kneissel, Ph.D., Novartis Institutes
for Biomedical Research (Switzerland)

Speakers:

Thomas Einhorn, M.D., Boston Medical
Center (USA)

Robert Marcus, M.D., Stanford University (USA)

Career Development: Building Interdisciplinary Collaboration in Research

1:00 pm – 2:00 pm

*Co-sponsored by the Women in Bone
and Mineral Research and Membership
Development Committees*

The ability to network and identify partners for cross-functional collaborative research endeavors is an imperative skill for scientists to acquire, especially given the current research funding climate and an increased emphasis by the health-related funding agencies on interdisciplinary sciences. In this session, a panel of speakers from basic, clinical and translational research settings will discuss their experiences in building professional networks that lead to successful interdisciplinary research undertakings, what they see as the keys to their success and strategies that others can use to broaden their own research as well as enhance their professional development. Speakers include **Brendan Lee, M.D., Ph.D.**, Howard Hughes Medical Institute, Baylor College of Medicine (USA); **Eric Orwoll, M.D.**, Oregon Health and Science University (USA); and **Mary Bouxsein, Ph.D.**, Beth Israel Deaconess Medical Center (USA). Following the panel there will be an interactive discussion.

Clinical Evening at ASBMR

5:30 pm – 8:30 pm

*Supported by Educational Grants from Amgen,
Inc., Lilly USA, LLC. and Merck & Co., Inc.*

*(Limited seats available; attendees must be
registered for the ASBMR Annual Meeting;
RSVP required)*

5:30 – 6:30 pm	Reception
6:30 – 7:00 pm	Dinner
7:00 – 8:30 pm	Scientific Program

Co-Chairs:

Shreyasee Amin, M.D., MPH, Mayo Clinic (USA)

John Bilezikian, M.D., Columbia University
College of Physicians and Surgeons (USA)

Where Are We With FRAX in 2011?

Eugene McCloskey, M.D., MRCP, M.B.,
University of Sheffield (United Kingdom)

Is There a Role for Combination Therapy for Osteoporosis?

Felicia Cosman, M.D., Helen Hayes Hospital (USA)

The Role of Vertebroplasty or Kyphoplasty in the Management of Vertebral Fracture Patients

Richard Eastell, M.D., FRCP, University of
Sheffield (United Kingdom)

Special Sessions

Continued from page 22

SUNDAY, SEPTEMBER 18

Clinical Roundtable/Case Conference – Managing Musculoskeletal Disease in Chronic Renal Insufficiency

1:00 pm – 2:00 pm

Chair:

Susan Ott, M.D., University of Washington Medical Center (USA)

Speakers:

Paul Miller, M.D., FACP, Colorado Center for Bone Research (USA)

Mary Leonard, M.D., Children's Hospital of Philadelphia (USA)

Biotechniques Workshop: Mouse Models

1:00 pm – 2:00 pm

Sponsored by the ASBMR Education Committee

New Approaches in Engineering Mouse Models of Human Disease

Aris Economides, Ph.D., Regeneron Pharmaceuticals, Inc. (USA)

Mouse Modeling of Human Disease in the Post-genomic Era – Resources for Research

Kent Lloyd, DVM, Ph.D., University of California, Davis (USA)

ASBMR Women in Bone and Mineral Research Committee Event – Getting What You Want: The Art of Negotiation

6:30 pm – 9:30 pm

Registration Fee: \$35 (\$15 students/trainees)

Supported by an Educational Grant from Warner-Chilcott Company, LLC.

Speaker:

Sara Laschever, co-author of *Women Don't Ask and Ask for It*

This session (for everyone at all career stages) on negotiation will provide insight on the following topics:

- ▶ The costs of not negotiating, in financial terms and in delayed or limited career progress.
- ▶ Causes associated with the reluctance to negotiate.
- ▶ Practical steps to start thinking differently about the role of negotiation and learn to negotiate more comfortably, confidently and effectively.

A reception and dinner will be provided.

MONDAY, SEPTEMBER 19

Clinical Roundtable/Case Conference – Monitoring Osteoporosis Therapy – To Scan or Not to Scan?

1:30 pm – 2:30 pm

Supported by an Educational Grant from Lilly USA, LLC

Chair:

Deborah Sellmeyer, M.D., The Johns Hopkins Bayview Medical Center (USA)

Speakers:

Douglas Bauer, M.D., University of California, San Francisco (USA)

Nelson Watts, M.D., University of Cincinnati Bone Health and Osteoporosis Center (USA)

Advocating for Science in Challenging Times

1:30 pm – 2:30 pm

Co-Chairs:

Mark Johnson, Ph.D., University of Missouri (USA)

Paula Stern, Ph.D., Northwestern University Medical School (USA)

Introduction

NIH Challenges and Opportunities

Importance of Advocating for Funding and Strategies to Succeed

Conclusion and Next Steps (addressing specific actions participants can take in the short and long terms)

Panel Discussion and Q&A

2011 Ancillary Program

Overview

Wednesday September 14	Friday September 16	Sunday September 18	Monday September 19
7:15 am – 8:00 am ISCD On-site Registration and Sign-in*	7:15 pm – 9:15 pm In Vivo Working Group	6:30 pm – 8:30 pm Non-Invasive Assessment of Bone Microarchitecture and Function Working Group	6:15 pm – 8:45 pm Molecular Biology and Pathology of Bone Working Group
8:00 am – 6:00 pm Bone Densitometry Course for Clinicians and Technologists	7:15 pm – 9:15 pm Pediatric Bone and Mineral Working Group	6:30 pm – 9:00 pm Adult Bone and Mineral Working Group	6:30 pm – 8:30 pm Working Group on Musculoskeletal Rehabilitation in Patients with Osteoporosis
<i>*ISCD Courses require separate fees and registration</i>	7:15 pm – 9:15 pm Working Group on Skeletal Aging	6:30 pm – 9:20 pm Vitamin D Working Group	6:30 pm – 8:30 pm Working Group on Osteoporosis in Rheumatic Diseases
Thursday September 15	7:15 pm – 9:45 pm Muscle and Bone Working Group	6:30 pm – 9:30 pm Bone Strength Working Group	
7:15 am – 8:00 am ISCD Sign-in*			
8:00 am – 2:00 pm Bone Densitometry Course for Clinicians and Technologists			
<i>*ISCD Courses require separate fees and registration</i>			

There are no programs scheduled for Saturday, September 17.

Please note that the Working Groups are not part of the ASBMR Official Scientific Program. These meetings are held in conjunction with the ASBMR Annual Meeting. The Sponsor/Organizer of each meeting is responsible for the organization and scientific content of the educational activity. ASBMR expects that all authors and presenters affiliated with the ASBMR 2011 Annual Meeting and the 2011 Ancillary Program will provide informative and fully accurate content that reflects the highest level of scientific rigor and integrity.

ASBMR Expectations of Authors and Presenters

The 2011 Ancillary Program is not part of the ASBMR Official Scientific Program. However, ASBMR expects that all authors and presenters affiliated with the ASBMR 2011 Annual Meeting and the 2011 Ancillary Program will provide informative and fully accurate content that reflects the highest level of scientific rigor and integrity. This includes the presentations at the 2011 Ancillary Meetings – the International Society for Clinical Densitometry (ISCD) Courses and Working Groups.

ASBMR depends upon the honesty of the authors and presenters and relies on their assertions that they have had sufficient full access to the data and are convinced of its reliability. Please review further expectations regarding speaker disclosures and presentation guidelines.

2011 Ancillary Program

Working Groups

Working Groups are interactive meetings related to a focused topic not specifically addressed in the ASBMR Official Program. These meetings are organized by ASBMR members and not initiated by industry. Please note that Working Groups are not part of the ASBMR Official Program and have been organized by the parties indicated.

Working Group Registration Procedures

Tickets for all Working Groups are available on a first-come, first-served basis through pre-registration and during on-site registration hours, space permitting. We strongly encourage you to pre-register online. Waiting lists are not maintained for Working Groups that have met their attendance limit.

FRIDAY, SEPTEMBER 16, 2011

In Vivo Working Group

Sixteenth Annual Meeting

7:15 pm – 9:15 pm

Registration Fee: \$20

The Effects of Neuropeptides on Bone: How Important Are They?

It is well known that nerves and neuropeptides are present within the bone microenvironment, and that bone cells express receptors for some of these neuropeptides. However, the role of the central and peripheral nervous systems in the regulation of bone growth and remodeling is unclear. Prominent investigators in the field will present the results of their in vivo studies to elucidate the effects of neuropeptides on bone, and identify potential novel targets for the development of bone anabolic treatments for osteoporosis. The possibility of a feedback loop between bone cells and the central nervous system will also be discussed. Ample time will be allowed for questions and discussion. A buffet dinner will precede the program.

For further information, please contact:

Thomas J. Wronski, Ph.D.

University of Florida, Dept. of Physiological Sciences

Telephone: +1 (352) 294-4044

E-mail: wronskit@ufl.edu

Pediatric Bone and Mineral Working Group

7:15 pm – 9:15 pm

Registration Fee: \$35

Emerging Treatments for Pediatric Bone and Mineral Disorders

The field of pediatric bone and mineral medicine is poised to embrace a number of new and exciting treatment regimens. During this meeting of the Pediatric Bone and Mineral Working Groups there will be five (5) 20-minute, state-of-the-art presentations on such treatments. Topics will include PTH 1-34 in Hypoparathyroidism, Lithium in Osteoporosis-Pseudoglioma Syndrome, Recombinant TNALP in Hypophosphatasia, Whole Body Vibration Training in Pediatric Osteoporosis and Management of Phosphate Disorders. Ample time will be allocated for questions and answers. A hot dinner will precede the program.

For further information, please contact:

Craig F.J. Munns, MBBS, Ph.D., FRACP

The Children's Hospital at Westmead Sydney, Australia

Telephone: +61-298453200

E-mail: CraigM2@chw.edu.au

2011 Ancillary Program

Working Groups

FRIDAY, SEPTEMBER 16, 2011 (Continued)

Working Group on Skeletal Aging

7:15 pm – 9:15 pm
Registration fee: \$40

Skeletal Stem Cell Aging

The program will consist of multiple talks on the role(s) of stem cell senescence in age-related bone loss. Topics will include senescence-associated intrinsic mechanisms of osteoblast dysfunction (**Moustapha Kassem, University Hospital of Odense**), changes in the distribution and function of marrow fat with aging (**Beata Lecka-Czernik, University of Toledo**) as well as aging and osteoblast regulation of the bone marrow HSC niche (**Bernard Halloran, University of California San Francisco**). Time will be allocated for questions and discussion after each presentation. A dinner will precede the program.

For further information, please contact:

Robert J. Pignolo, M.D., Ph.D.
University of Pennsylvania
Telephone: +1 (215) 573-1514 or +1 (215) 898-8653
E-mail: pignolo@mail.med.upenn.edu

Muscle and Bone Working Group

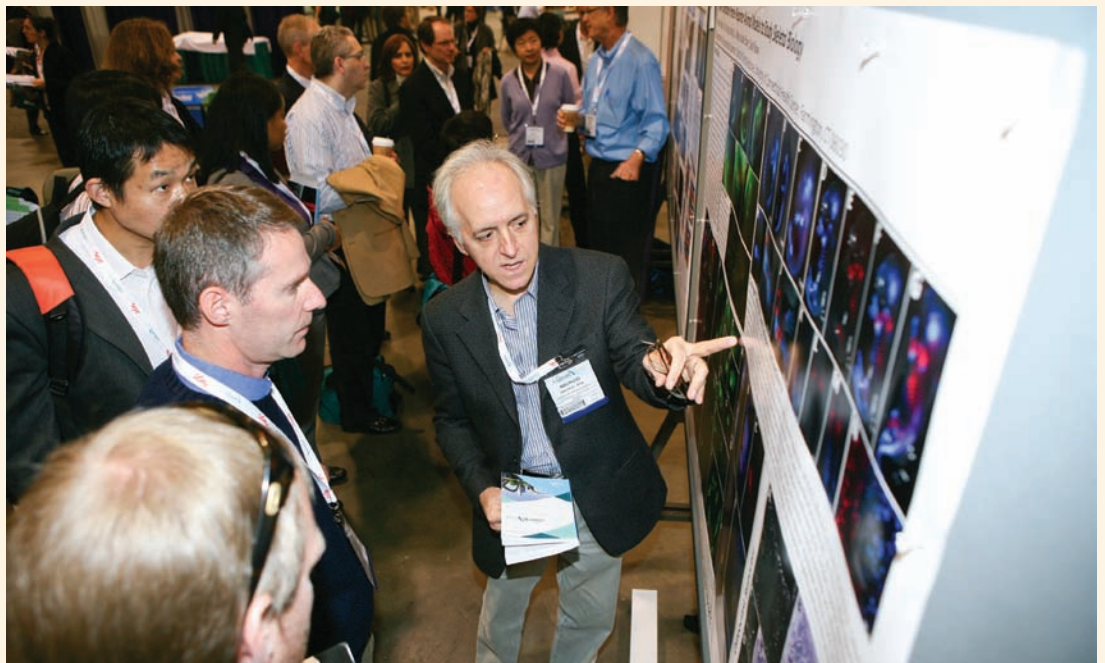
7:15 pm – 9:45 pm
Registration fee: \$30

The Muscle and Bone Relationship: From Young to Old

The program will explore alternative concepts for the understanding and diagnosis of osteoporosis based on understanding changes in bone strength and fracture outcomes due to changes in muscle force and power. A boxed meal will precede the program.

For further information, please contact:

Christopher L. Gordon, Ph.D.
McMaster University, Department of Radiology
Telephone: +1 (905) 628-5677
E-mail: chrisgordon@sympatico.ca



2011 Ancillary Program

Working Groups

SUNDAY, SEPTEMBER 18, 2011

Non-Invasive Assessment of Bone Microarchitecture and Function

Fourteenth Annual Meeting

6:30 pm – 8:30 pm

Registration Fee: \$20

The working group includes a presentation and a discussion forum for researchers to exchange ideas pertaining to the technical, basic science and clinical aspects of bone microarchitecture assessment. This Fourteenth Annual Meeting will focus on microarchitecture and bone quality and cover both clinical and experimental aspects of these entities. In addition to trabecular bone architecture, non-invasive imaging of cortical bone porosity and remodeling will be introduced and hr-pQCT-based techniques will be presented. The goals of the working group are to initiate communication and exchange of ideas, stimulate future development and adequate support in this area and accelerate advances in the field of non-invasive assessment of bone microarchitecture and function. During this meeting of the Non-Invasive Assessment of Bone Microarchitecture and Function there will be three presentations covering topics such as "Imaging of Cortical Remodeling and Porosity" presented by **Ego Seeman, M.D.**; "Advances in Micro Finite Element Analysis" presented by **Bert van Rietbergen, Ph.D.**; and "Submicron 3D X-ray Microscopy of Human and Rat Bone Tissue" presented by **Mohammed Akhter, Ph.D.** Beverages and a buffet-style dinner will be provided.

For further information, please contact:

Thomas M. Link, M.D., Ph.D.
University of California, San Francisco,
Department of Radiology
Telephone: +1 (415) 353-2450
Email: tmlink@radiology.ucsf.edu

Adult Bone and Mineral Working Group

26th Annual Meeting

6:30 pm – 9:00 pm

Registration Fee: \$30

This working group session will open with a brief historical vignette that will be followed by the presentation of abstracts. The session will conclude with the presentation of the Boy Frame Award for Clinical Excellence in the Field of Bone and Mineral Research.

For further information, please contact:

Pauline M. Camacho, M.D., FACE
Loyola University Medical Center
Telephone: +1 (708) 216-0436
E-mail: pcamach@lumc.edu



2011 Ancillary Program

Working Groups

SUNDAY, SEPTEMBER 18, 2011 (Continued)

Vitamin D Working Group

6:30 pm – 9:20 pm

Registration Fee: \$45

The program will begin with introductory remarks from **Dr. Anthony Norman, Ph.D.** and **Roger Bouillon, M.D., Ph.D.** There will be three presentations by expert speakers including topics such as “Contributions of the FGF23-Klotho Axis to the Vitamin D Endocrine System,” presented by **Dr. Makoto Kuro, M.D., Ph.D.**; “Antibacterial Action of Vitamin D: T Cell Cytokines & Vitamin D Metabolism” presented by **Dr. Martin Hewison, Ph.D.**; and “Role of Vitamin D, the VDR and Gene Expression in the Development of the Mammary Gland,” which will be presented by **Dr. JoEllen Welsh, Ph.D.** There will also be three presentations on Vitamin D that will be selected from free communication abstracts submitted to the ASBMR meeting.

For further information, please contact:

Anthony W. Norman, Ph.D.
University of California, Riverside
Telephone: +1 (951) 827-4777
E-mail: anthony.norman@ucr.edu

Bone Strength Working Group

6:30 pm – 9:30 pm

Registration Fee: \$25

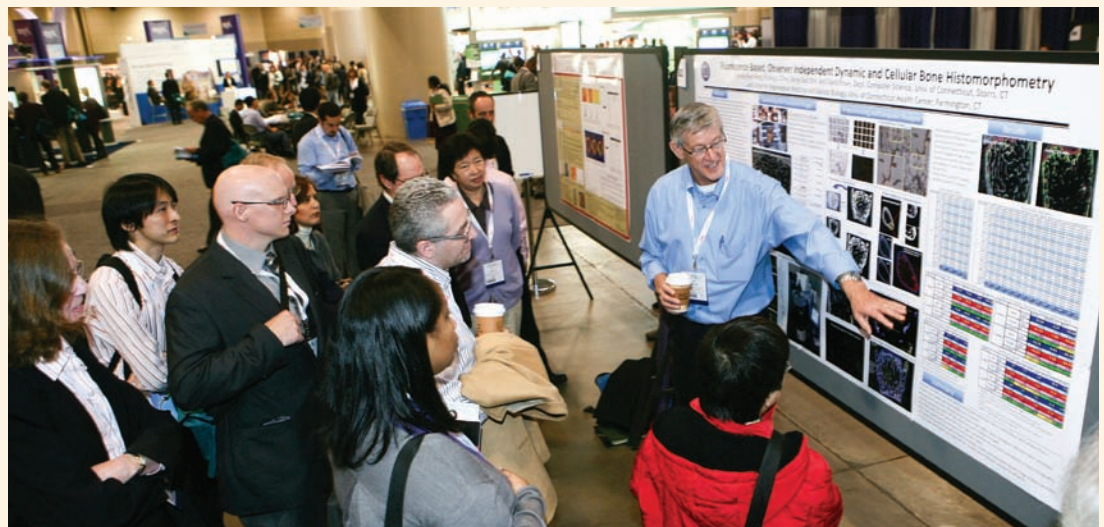
Sponsored by the Canadian Bone Strength Working Group

Supported by an educational grant from Amgen Canada Inc.

This program will be co-chaired by **Dr. Jonathan Adachi, M.D.**, McMaster University, Canada, and **Dr. Shawn Davison, Ph.D.**, University of Laval, Canada. The program will begin with a welcome and introduction from **Dr. Angela Cheung, M.D., Ph.D.**, followed by presentations of top abstracts that the working group will select from the ASBMR Poster Program. The abstract presentation will be followed by a Keynote Debate entitled “Cortical Bone versus Trabecular Bone: Which Is More Important in Determining Bone Strength?” After the debate there will be time set aside for questions and discussion/final vote. The working group will end with concluding remarks from **Dr. Richard Kremer M.D., Ph.D.**, McGill University, Canada. A buffet dinner will precede the program.

For further information, please contact:

Richard Kremer, M.D., Ph.D.
McGill University, Royal Victoria Hospital
Telephone: +1 (514) 843-1632
Email: richard.kremer@mcgill.ca



2011 Ancillary Program

Working Groups

MONDAY, SEPTEMBER 19, 2011

Molecular Biology and Pathology of Bone Working Group

Sixteenth Annual Meeting

6:15 pm – 8:45 pm

Registration Fee: \$30

Supported by educational grants from Abbott Laboratories and the Tissue Repair Research Unit, Pfizer Inc.

Stem Cell Programming for Tissue Regeneration:

This working group has as its goal the exploration of new concepts and experimental approaches to addressing parameters of bone biology and disease. This year's workshop will focus on the molecular mechanisms that maintain stemness during expansion of progenitor cells and their induction and progression into committed osteochondroprogenitor cells. The ability to reprogram adult cells into pluripotent stem cells and their potential clinical applications will be explored. Presentations will include applications of human pluripotent stem cells, clinical utilization of bone marrow stromal cells, control of pluripotent stem cell proliferation and strategies for stem cell fate determination and maintenance. Invited speakers include: **Jeanne F. Loring, Ph.D.**, The Scripps Research Institute; **Pamela G. Robey, Ph.D.**, Skeletal National Institutes of Health/NIDCR; **Gary S. Stein, Ph.D.**, University of Massachusetts Medical School; and **Ivo Kalajzic, M.D., Ph.D.**, University of Connecticut Health Center. Selected short presentations and panel discussion will follow. Please submit a short description to the Organizers. A light fare will precede the program.

For further information, please contact:

Gary Stein, Ph.D.

University of Massachusetts Medical School

E-mail: gary.stein@umassmed.edu

Working Group on Musculoskeletal Rehabilitation in Patients with Osteoporosis

13th Annual Meeting

6:30 pm – 8:30 pm

Registration Fee: \$25

Non-pharmacologic Management of Osteoporosis

The program will be selected by Core Members of our Working Group. They will choose from submitted abstracts that have been selected as part of the ASBMR Poster Program. The following keywords will be used to select relevant abstracts: Exercise (Bone, Joint, Muscle); Nutrition; Orthopaedics (Mechanical Loading); Treatments (Non-pharmacological treatment); and Hip Fracture Rehabilitation. In addition, special lectures highlighting new developments in the field will be given. The speakers for these lectures will be invited by the scientific committee of the Working Group on Musculoskeletal Rehabilitation in Patients with Osteoporosis.

For further information, please contact:

Mehrsheed Sinaki M.D.

Mayo Clinic and Mayo Clinic College of Medicine

Telephone: +1 (507) 284-2904

E-mail: sinaki.mehrsheed@mayo.edu

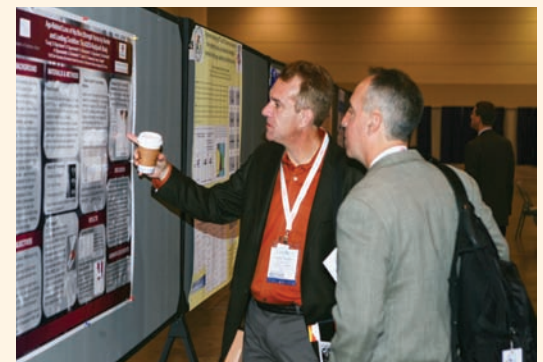
or

Michael Pfeifer M.D.

Institute of Clinical Osteology Gustav Pommer

Telephone: +49-5281-151414

E-mail: iko_pymont@t-online.de



2011 Ancillary Program

Working Groups

MONDAY, SEPTEMBER 19, 2011 (Continued)

Working Group on Osteoporosis in Rheumatic Diseases

6:30 pm – 8:30 pm

Registration Fee: \$25

The program will begin with an Introduction and Opening from **William Lems, M.D.**

The invited speakers and topics include:

Mary Goldring, Ph.D. on New Findings in Chondrocyte Biology; **Carla R. Scanzello, M.D., Ph.D.** on Immune Mediate Inflammation in OA; **Prof. Dr. Andre Uytendin** on Genetics of OA and OP (are there overlaps?); and **Morten Karsda** on Usefulness of Cartilage and Bone Turnover Markers in OA. The speaker presentations will be followed by the presentation of the top two abstracts on the field of inflammation and osteoarthritis.

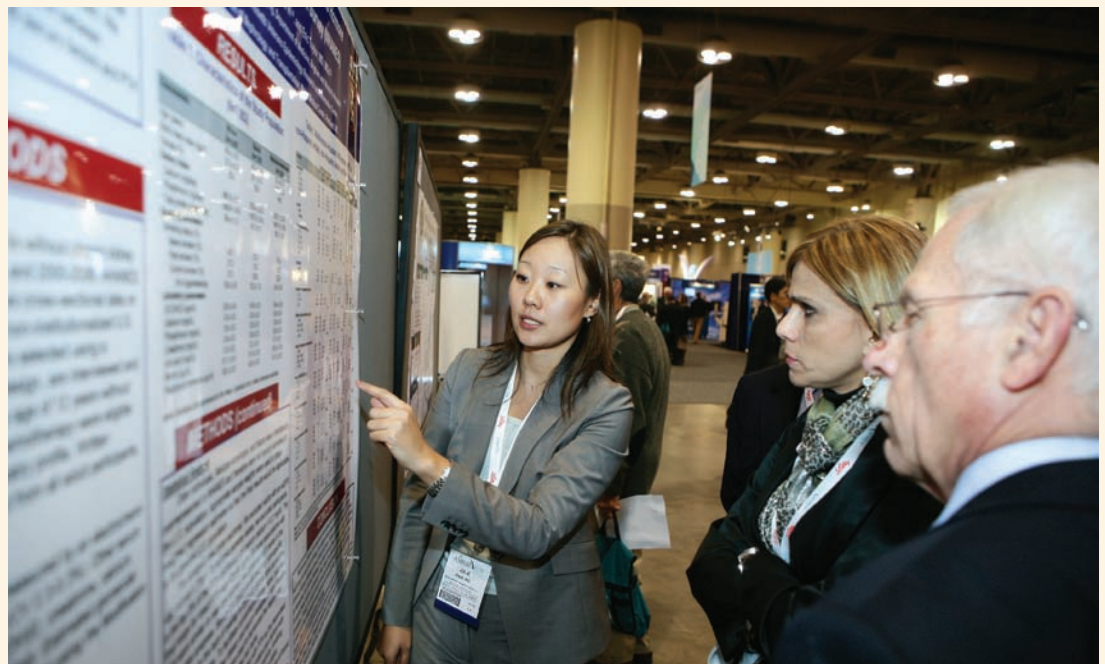
For further information, please contact:

Willem F. Lems, M.D., Ph.D.

Vrije Universiteit Medical Centre (Amsterdam)

Telephone: +31-204443432

Email: wf.lems@vumc.nl



2011 Ancillary Program

Patient Forums

Educational Meeting on Paget's Disease

Saturday, September 17
1:00 pm – 3:00 pm

The Paget Foundation will organize an educational meeting for Paget's disease patients and family members in the San Diego area. Speakers will discuss diagnosis, management and complications related to Paget's disease. There will be time for questions and answers and for patients to talk to one another. This is a free event but pre-registration is requested by telephone at +1 (800) 23-PAGET or via e-mail to charlenewaldman@aol.com.

Osteoporosis and Bone Health: Current Prevention, Management and Treatment Strategies:

A FREE public education program for people with and concerned about osteoporosis

Saturday, September 17
1:00 pm – 4:00 pm

The National Osteoporosis Foundation (NOF) and the US Bone and Joint Decade/Initiative (USBJD/I) are joining forces to offer an osteoporosis and bone health forum for patients and families in the San Diego community. This is a unique opportunity for you to ask questions directly to healthcare providers specializing in bone health and osteoporosis and to hear their thoughts on the latest in research, prevention, nutrition, exercise, vitamin D, diagnosis and treatment strategies. Free handouts will be provided. This is a free event but pre-registration is required by telephone at +1 (800) 223-9994 or via e-mail to NOFMeetings@nof.org.

The International Society for Clinical Densitometry (ISCD)

Please note that the International Society for Clinical Densitometry (ISCD) courses are not part of the ASBMR Official Scientific Program and have been organized by ISCD. The ISCD sessions are held in conjunction with the ASBMR Annual Meeting and require a separate registration and fee. To register for this course, or for additional information regarding The International Society for Clinical Densitometry: Visit www.iscd.org or call +1 (860) 259-1000.

The core elements of the ISCD Bone Densitometry Course provide a set of standard practices and information to raise the level of awareness and education in bone densitometry. The course emphasizes central DXA testing. In addition, a solid foundation in other forms of bone mass measurement, including peripheral DXA and QCT is provided.

The ISCD Bone Densitometry Course will take place on Wednesday and Thursday, September 14–15:

Clinician Track (open to M.D.s, Ph.D.s, DOs, Nurse Practitioners and Physician Assistants) is most appropriate for those involved in the interpretation of DXA scans.

Technologist Track (open to Technologists and Allied Health Professionals) is most appropriate for those involved in the performance of the bone densitometry examination.

Technologists may attend the Clinician Course if gaining information about interpreting DXA scans would assist them with their job responsibilities. However, it is recommended that the Technologist Course be taken first.

Accreditation Statement

The International Society for Clinical Densitometry is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to offer continuing medical education for physicians.

2011 Supporters

Special thanks to our 2011 Supporters for their participation in the ASBMR Annual Meeting (As of June 2011).

DIAMOND LEVEL SUPPORTER



Answers That Matter.

GOLD LEVEL SUPPORTER



BRONZE LEVEL SUPPORTERS



FRIEND LEVEL SUPPORTERS



Roche A member of the Roche group

KYOWA KIRIN



The ASBMR scientific program is developed by the Society's Annual Meeting Program Committee prior to, and independent of, educational grant support. In accordance with the standards of ACCME and IAHB, the commercial supporters of this meeting have no influence regarding topics or speakers.

2011 Exhibitors

Experience the Exhibits

Visit the Exhibit Hall and discover the latest new products, services and advancements in technology.

Annual Meeting registrants receive exclusive admission to the Exhibit Hall where you will have access to more than 60 exhibiting companies. Take the opportunity to ask questions and speak directly with company representatives about what is on the horizon.

[Check out the current list of exhibitors.](#)

2011 ASBMR Corporate Advisory Board

Amgen, Inc.

Lilly USA, LLC

Merck & Co., Inc.

Novartis Pharmaceuticals Corporation

Pfizer, Inc.

Warner Chilcott Company, LLC

Registration Information

Registration discounts available through Thursday, July 21.

Registration Fees

	On or before July 21, 2011	On or after July 22, 2011
ASBMR Members	\$330	\$455
Non-Members	\$620	\$745
Resident, Student, Fellow – ASBMR Member	\$195	\$245
Resident, Student, Fellow – Non-Member*	\$285	\$335
Allied Health Professional**	\$285	\$335
Spouse/Guest	\$40	\$50
Social Event (Saturday, Sept 17)	\$30	\$30
Meet-the-Professor Handout Booklet	\$10	\$10
Women's Committee Event (Sunday, Sept 18)	\$35 (\$15 students)	\$35 (\$15 students)
Abstract Book (available for pick-up on site)	\$25	\$25
Continuing Medical Education Credits	\$50	\$50

* Graduate and medical students and those holding M.D. or Ph.D. degrees in residency or post-graduate fellowship programs may obtain the reduced fee by having their mentor sign the Registration Form, verifying their training status.

**Who Are Allied Health Professionals?

Allied Health Professionals are defined as professionals who participate and help physicians in delivering health care and professionals who contribute to the scientific efforts of physicians or Ph.D.s, etc. Allied Health Professionals may obtain the reduced registration fee by having their director sign the Registration Form verifying their status.

Why Pay Increased Fees as a Non-Member?

By joining ASBMR prior to the meeting, not only will you receive a significant member discount on your registration fee, but you receive year-round benefits such as the *Journal for Bone and Mineral Research*. If you are not a member, check out the membership criteria and join today. If you currently are a member, make sure to renew your membership in time to get meeting discounts.

What's Included With Registration Fees?

Registration fees entitle the registrant to admission to all sessions, posters, exhibits, Friday's Welcome Reception, all coffee breaks and a digital copy of the 2011 Abstracts book. An additional ticket and fee are required for all Working Groups, the Social Event, Women's Committee Event, a printed/bound copy of the 2011 Abstracts book and the Meet-the-Professor Handout Booklet.

Abstract Book

A limited number of the 2011 Abstracts books will be printed and available for purchase and pick-up on site in San Diego. To obtain a copy, you must order it in advance through the registration form on or before Wednesday, August 3, 2011. The price of the book is \$25. The 2011 Abstracts book will also be available in PDF format for download in advance of the meeting at no charge to members and meeting attendees.

Registration Information

Continued from page 33

Meet-the-Professor Booklet

The Meet-the-Professor Handout Booklet contains all the handouts supplied by the professors in one convenient booklet. The booklet can be purchased in advance for \$10 through the registration form and can be picked up on site at the Convention Center.

What Are Benefits of Registering Before July 21?

You not only receive a discount on your fees, but your badge and tickets will be mailed to you prior to the meeting, cutting down your on-site registration time.

On-site Registration in San Diego

Registration desks will be open for new registrants and material pick-up in the San Diego Convention Center during the following hours:

Thursday, September 15	12:00 pm – 6:00 pm
Friday, September 16	7:00 am – 7:00 pm
Saturday, September 17	7:00 am – 5:30 pm
Sunday, September 18	7:30 am – 5:00 pm
Monday, September 19	7:30 am – 5:00 pm

Refunds/Substitutions

Refunds will be made if cancellation is received in writing by July 21, 2011. Spouse/Guest fees, Working Group ticket fees and Social Event tickets are non-refundable. Only current members at the time of registration are eligible for the discounted member registration rates. ASBMR does not refund the difference in registration fees paid by individuals who register as non-members but apply/are accepted as a member of the Society following their registration as a non-member. All refunds will be processed after the Annual Meeting and will be assessed a \$50 administrative fee.

There is no charge for substitutions. Eligibility requirements for Member or Student rates will apply. Late registration rates may apply to substitutions made after July 21, 2011. Once a badge is printed changes can only be made on site. Badge sharing is not allowed.

Admission

ASBMR shall have sole control over all admission policies at all times. Any person (including family members) visiting the exhibits or attending any function of the meeting is required to register and wear an appropriate badge while in attendance. Children age 12 and under are not permitted in the exhibit/poster hall at any time. There are no exceptions to this policy. If child care is required, please make arrangements in advance. ASBMR Annual Meeting participants must abide by the Society's policy on re-use of meeting materials, which may be found on the [ASBMR web site](#).

Spouse/Guest Admission

A badge for spouses and/or other guests may be obtained for a \$40 fee. This fee includes admission to the Welcome Reception on Friday, September 16, as well as to the Exhibit/Poster Hall for all breaks. Spouse/Guest badges are intended for spouses/guests of fully registered attendees, who are not employed or active in the field. Spouse/Guest tickets to the Social Event are a separate fee.

Group Registration

Tour leaders and other group organizers may register online using the same system as individuals. The system allows you to enter a list of delegates and enter the payment information only once at the end of the process. Once payment is complete, confirmations will be immediately sent to the confirmation e-mail address you provide. Your confirmation will include instructions on how to log on and request changes or additional receipts.

Questions?

If you are an ASBMR member and do not have your membership number, please contact asbmr@asbmr.org or +1 (202) 367-1161.

If you have questions about your registration, please contact asbmr@showcare.com or +1 (202) 367-1173.

Hotel Information

ASBMR has reserved rooms in the hotels listed below for your use. Reservations for these hotels must be made through the ASBMR Housing Bureau.

The Hotel Reservation Deadline Is Tuesday, August 16.

Why Book in the ASBMR Housing Block?

Booking your reservation outside of the ASBMR block of rooms has a long-term negative impact on the ASBMR meeting. The amount of rooms that ASBMR can attribute as reserved by ASBMR attendees helps us to negotiate rates with the city's meeting facilities. With fewer rooms directly attributable to ASBMR, Convention Center rental rates will rise, which may impact the rates ASBMR must charge for meeting registration. Additionally, hotels place financial penalties on associations for each room not used by our attendees. We appreciate you supporting ASBMR by booking hotel rooms within our official block.

ASBMR International Group Housing

ASBMR International Groups Department (ASBMR IGD) sponsors official international group housing blocks for the ASBMR Annual Meetings. Take advantage of our all-inclusive travel packages that include preferred properties, breakfast, portage, gratuities and your own personal multilingual meeting planner from online to on site, all at the lowest possible rates. Visit www.asbmr-igd.com or email ASBMRgrouphousing@asbmr-igd.com for more information.

ASBMR Group Housing (Five or More Rooms)

ASBMR has special group housing forms/reservation processes available to those groups requiring five or more hotel rooms during the ASBMR 2011 Annual Meeting. To block rooms for groups of five or more people coming from the United States, please contact Jessica Klapstein, ASBMR Housing Coordinator, at jklapstein@asbmr.org.

**DON'T GET LOST ON THE
COMMERCIAL JOB BOARDS**

ASBMR CAREER CENTER IS TAILORED SPECIFICALLY FOR YOU!

Whether you're looking for your next job or are seeking a qualified candidate for your open position, the ASBMR Career Center is the source for matching candidates with jobs in the field of bone and mineral metabolism. The ASBMR Career Center offers the largest listing of available jobs in the field, as well as a diverse pool of qualified candidates seeking positions.

JOB SEEKERS

- Manage your job search
- Access hundreds of job postings
- Post an anonymous resume

EMPLOYERS

- Quickly post job openings
- Manage your online recruiting efforts
- Reach targeted and qualified candidates

VISIT THE ASBMR CAREER CENTER AT
www.asbmr.org.



Hotel Description Comparison

Hotel	Rate	Distance to Convention Center			Mobile Rating	AAA Rating	Internet Cost (24 Hours)	Fitness Facility	Spa	Pool	Additional Amenities
		Miles	Blocks	Walk (mins)							
Co-Headquarters Manchester Grand Hyatt San Diego One Market Place San Diego, CA 92101	\$259	0.32	2	6	★★★	◆◆◆	\$9.95	Yes	Yes	Yes	Outdoor sport court with basketball, volleyball and tennis. Property has a full service spa, 2 outdoor pools, 3 restaurants and 3 lounges.
Co-Headquarters San Diego Marriott Marquis & Marina 333 West Harbor Drive San Diego, CA 92101	\$259	0.05	1	1	★★★	◆◆◆◆	\$12.95	Yes	No	Yes	Starbucks Coffee and DW's Restaurant serving breakfast, lunch and dinner located within the property.
Embassy Suites San Diego Bay 601 Pacific Highway San Diego, CA 92101	\$170	0.45	4	9	★★★	◆◆◆	\$12.95	Yes	No	Yes	Complimentary cooked to order breakfast and nightly Manager's Receptions with complimentary cocktails, beer, wine and soft drinks.
Hard Rock Hotel San Diego 207 5th Avenue San Diego, CA 92101	\$189	0.09	1	2	★★★★	◆◆◆◆	\$17.00	Yes	Yes	Yes	
Hilton San Diego Bayfront One Park Boulevard San Diego, CA 92101	\$249	0.04	1	1	★★★★	Not Rated	\$13.95	Yes	Yes	Yes	Steam room in spa and salt water pool onsite.
Hilton San Diego Gaslamp Quarter 401 K Street San Diego, CA 92101	\$199	0.06	1	1	★★★	◆◆◆	Comp	Yes	Yes	Yes	Onsite restaurant, New Leaf is open for breakfast, lunch and dinner.
Horton Grand Hotel 311 Island Avenue San Diego, CA 92101	\$185	0.33	3	7	★★★	◆◆◆	\$9.95	No	No	No	Boutique-type hotel with Victorian-style rooms all with gas burning fireplaces.
Hotel Solamar 435 6th Avenue San Diego, CA 92101	\$195	0.27	3	5	Not Rated	Not Rated	Comp	Yes	No	Yes	Complimentary coffee and tea each morning as well as a complimentary wine hour each evening from 5-6 pm.
Omni San Diego Hotel 675 L Street San Diego, CA 92101	\$249 Single/ \$269 Double	0.12	1	2	★★★★	◆◆◆◆	\$9.95	Yes	No	Yes	Complimentary state-of-the-art fitness center with heated outdoor pool and hot tub.
The Sofia Hotel 150 West Broadway San Diego, CA 92101	\$185	0.5	6	5	★★★	◆◆◆	Comp	Yes	No	No	

Travel Information

Discount Air Travel and Car Rental Information

ASBMR has partnered with Tower Travel to provide discounted airfare and car rental for the 2011 Annual Meeting. Pick one of the three ways listed below to book your airfare or car rental. Be sure to mention the ASBMR 2011 Annual Meeting and the security key code *asbmr489*.

Web:
<https://asbmr-towertravel.reardencommerce.com>

You will be guided through setting up a user name/password in order to access the discounts.

Telephone: +1 (888) 886-7656 or
+1 (630) 928-7144

E-mail: travel@towertravel.com

For assistance in confirming the least expensive travel rate, contact Tower Travel. Reservation lines are open from 6:00 am to 10:00 pm, Monday through Friday CST and 9:00 am to 1:00 pm CST on Saturdays.

Special Needs

We want to ensure that you enjoy ASBMR's 2011 Annual Meeting. If, due to a disability, you have any special needs, please contact ASBMR at asbmr@asbmr.org or +1 (202) 367-1138 and we will do our best to assist you.

Wheelchair Rentals



Scooter and wheelchair rentals are available by contacting Scootaround, Inc., at their toll-free hotline: +1 (888) 441-7575. You can also submit a rental inquiry via their website at www.scootaround.com. Please make sure to tell them you are with the American Society for Bone and Mineral Research's 2011 Annual Meeting in San Diego, California.

Child Care Services

ASBMR makes no endorsement of any providers and accepts no liability should you employ child care services while in San Diego. Please note: Children under 12 years of age are not permitted in any ASBMR meeting, session rooms or Exhibit/Poster Hall at any time. For more information about child care providers in San Diego, please contact your hotel concierge or contact ASBMR at +1 (202) 367-1138.

JOIN ASBMR TODAY

TO TAKE ADVANTAGE OF THESE MEMBER-ONLY BENEFITS!

- Save 40% or more off the non-member Annual Meeting registration rate
- Gain full online access to the Annual Meeting Abstracts prior to the meeting
- Receive periodic updates on all the latest networking opportunities and events occurring at this year's Annual Meeting
- Get full online access to both the Journal of Bone and Mineral Research and Primer
- View the latest employment opportunities in the field via the online Career Center



TO APPLY FOR MEMBERSHIP, VISIT
www.asbmr.org.

Discover San Diego



What to See and Do

While you are in town for the 2011 ASBMR Annual Meeting, be sure to explore all that San Diego has to offer. The average high in September is 77° and the low is 66°. Take advantage of the opportunity to stroll the beaches, parks and outdoor shopping districts in this beautiful city. Below are just a few of the exciting local attractions:

- ▶ Balboa Park (Home of 15 museums and the Old Globe Theatre)
- ▶ Coronado Beach
- ▶ Gaslamp Quarter
- ▶ Harbor Cruises
- ▶ Horton Plaza
- ▶ La Jolla
- ▶ San Diego Zoo
- ▶ Seaport Village Shopping Center
- ▶ Torrey Pines State Reserve
- ▶ USS Midway Museum

Varied and delicious cuisine is offered throughout the city. Given San Diego's long history and close proximity to Mexico, an extensive array of authentic Mexican restaurants are available. If you're in the mood for a fine wine, take a 45-minute ride just north of the city and visit one of the many vineyards in the area.



How to Get Around

Public Transit

San Diego boasts a comprehensive public transportation system including light rail and bus service. One-Way Trolley Tickets, available for \$2.50 from ticket vending machines, are good for travel for two hours from the time of purchase on any MTS Trolley. Transfers between trolleys are allowed to complete your one-way trip. Transfers between trolley and bus and round trips are not allowed with a one-way ticket. Purchase your ticket before boarding the trolley from the ticket vending machines at each station. If your trip involves more than one bus or the trolley and a bus, consider purchasing a [Day Pass](#) which allows unlimited rides for the duration of the service day.

[Regional Day Passes](#) are \$5 and available from ticket vending machines and bus operators. They are good for unlimited rides on most MTS Bus and trolley routes (except Premium Express, Rural, ADA Paratransit and Special Services).

Taxis

San Diego has numerous cab companies, all of which are metered and non-negotiable. Taxicab stands are located at the airport, most hotels, attractions and shopping centers. Your fare will be displayed on the meter and will include a flag drop charge plus a per-mile and/or a per-hour charge.

Approximate Taxi Cab Rates of Fare:

\$2.20 first 1/10 mile

\$2.30 each additional mile

A taxi from San Diego International Airport to one of our co-headquarter hotels will cost approximately \$10.25.

For more information on what to do and how to get around, visit www.sandiego.org.