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ASBMR[®] 2015

Annual Meeting

October 9–12, 2015
Seattle, Washington, USA

PRELIMINARY PROGRAM

Join us in Seattle this October!

Come to the ASBMR 2015 Annual Meeting to discover the latest in bone, mineral and musculoskeletal research and learn about new opportunities for collaboration.

Join 3,000+ bone and mineral scientists from 70 countries around the world for more than 100 education sessions and over 1,300 poster presentations on a variety of topics.

Learn what your peers like about the ASBMR Annual Meeting.



2015 Scientific Program Committee

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Oregon Osteoporosis
Center (USA)

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St. Vincent's Institute of
Medical Research (Australia)

Schedule-at-a-Glance (Official Scientific Program Overview)

Friday, October 9

8:00 am – 9:30 am	Gerald D. Aurbach Lecture & Award Presentations
9:30 am – 10:00 am	Networking Break
10:00 am – 11:00 am	Meet-the-Professor Sessions
10:00 am – 11:30 am	Highlights of the ASBMR 2015 Annual Meeting Grant Writing Workshop: How to Connect Your Specific Aims to Your Hypotheses
11:00 am – 11:30 am	Networking Break
11:30 am – 12:45 pm	Symposium – Metabolism of Bone Cells Symposium – Skeletal Consequences of Diabetes and Obesity
12:45 pm – 1:15 pm	Networking Break
1:15 pm – 2:30 pm	Concurrent Orals
2:30 pm – 3:00 pm	Networking Break
3:00 pm – 4:15 pm	Plenary Symposium – Bone Marrow Microenvironment
4:15 pm – 4:30 pm	Networking Break
4:30 pm – 5:30 pm	Oral Poster Presentations
5:30 pm – 7:00 pm	Welcome Reception and Plenary Poster Session

Saturday, October 10

6:45 am – 8:00 am	ASBMR Networking Breakfast
8:00 am – 9:30 am	ASBMR/ECTS Clinical Debate & Award Presentations
9:30 am – 10:00 am	Networking Break
10:00 am – 11:30 am	Plenary Orals
11:30 am – 12:30 pm	Meet-the-Professor Sessions Small Ways to Utilize Big Data in Your Research Understanding NIH Career Development K Awards: Opportunities and Challenges
12:30 pm – 2:30 pm	Poster Session I and Poster Tours
2:30 pm – 4:00 pm	Concurrent Orals
4:00 pm – 4:30 pm	Networking Break
4:30 pm – 6:00 pm	Concurrent Orals
6:30 pm – 8:30 pm	Preclinical Science Evening – Bone Cells: From Genetic Manipulation to the Epigenome
6:30 pm – 8:30 pm	Clinical Evening – Controversial Issues in Osteoporosis
8:30 pm – 11:30 pm	ASBMR Networking Event

Schedule-at-a-Glance (Official Scientific Program Overview)

Sunday, October 11

8:00 am – 9:30 am	Louis V. Avioli Lecture & Award Presentations
9:30 am – 10:00 am	Networking Break
10:00 am – 11:30 am	Plenary Orals
11:30 am – 12:30 pm	Meet-the-Professor Sessions
	Publications Workshop: Increase Your Chances of Getting Published
	Scientific Integrity – Enhancing the Reproducibility of Results in Preclinical Studies
	ASBMR Task Force Presentation
12:30 pm – 2:30 pm	Poster Session II and Poster Tours
2:30 pm – 4:00 pm	Concurrent Orals
4:00 pm – 4:30 pm	Networking Break
4:30 pm – 5:45 pm	Symposium – Low BMD and Fractures in Young People
	Symposium – Skeletal Neoplasia
6:00 pm – 7:00 pm	ASBMR Town Hall Meeting

Monday, October 12

8:00 am – 9:30 am	Concurrent Orals
9:30 am – 10:00 am	Networking Break
10:00 am – 11:30 am	Plenary Orals
11:30 am – 12:30 pm	Meet-the-Professor Sessions
	Career Development Session – Moving on in Your Career: How to Make Successful Transitions
	ASBMR Task Force Presentation
12:30 pm – 2:30 pm	Poster Session III and Poster Tours
2:30 pm – 4:00 pm	Plenary Symposium – Bone Health in Patients Treated for Cancer
4:00 pm – 5:00 pm	Closing Reception

Plenary Lectures



Gerald D. Aurbach Lecture

Friday, October 9 | 8:00 am – 9:30 am

Bone, Fat and Energy Regulation

Bruce Spiegelman, Ph.D., Dana-Farber Cancer Institute and Harvard Medical School (USA)

Exercise brings many metabolic benefits to mammals, including the browning of adipose tissues, reduction of diabetes and improvement of bone health. Some of this browning occurs through the secretion of myokines, such as irisin and meteorin-like. Browning represents an increase in number and activity of beige fat cells, a thermogenic cell type distinct from classical brown fat cells. We have now approached the function of beige fat by purifying mitochondria from both brown and beige fat and asking about difference through the use of isobaric-tagging linked protein mass spectrometry. We show that the beige fat has a second thermogenic pathway, in addition to the UCP1-mediated thermogenesis. Mitochondria from beige fat run a novel and robust futile cycle of creatine-creatine phosphate (FCC) that dissipates chemical energy via hydrolysis of the high energy phosphate on creatine. Beige but not brown fat cell mitochondria are stimulated to respire when supplied with creatine and this creatine acts sub-stoichiometrically, with regard to ADP. Interestingly, the proteins of this creatine-PO₃ cycle are induced when UCP1 KO mice are adapted to the cold. Human beige cell lines also show a robust FCC driving cellular respiration. This data illustrates a novel and robust pathway of energy expenditure, in both mice and human cells, centered on creatine metabolism in the beige adipose tissues. We have also begun to look at the effects of meteorin-like and irisin on the physiological properties of bone in transgenic murine models bone. In this lecture, I will discuss the effects of exercise and

studies of how it brings about metabolic benefit. This will focus primarily on the adipose tissues but may also include effects on bone health.

About Dr. Bruce Spiegelman

Bruce M. Spiegelman is the Stanley J. Korsmeyer Professor at Harvard Medical School and Dana-Farber Cancer Institute. Spiegelman received a B.S. with highest honors from the College of William and Mary in 1974, his PhD in biochemistry from Princeton University in 1978, and completed postdoctoral work at MIT. He joined Harvard Medical School and Dana-Farber Cancer Institute in 1982. His research focuses on fat cell biology, diabetes and muscular diseases. Major honors include Bristol-Myers Squibb Award for Distinguished Achievement in Metabolic Research; Rolf Luft Award in Endocrinology, Karolinska Institute; the Banting Medal for Scientific Achievement, American Diabetes Association; Manpei Suzuki International Prize for Diabetes Research (Japan), InBev-Baillet Latour Health Prize, Belgium. Spiegelman has been elected to the American Academy of Arts and Sciences, the National Academy of Sciences and the Institute of Medicine (IOM) of the National Academies.

Plenary Lectures



Louis V. Avioli Lecture

Sunday, October 11 | 8:00 am – 9:30 am

Hypophosphatasia: The Journey to Treatment

Michael Whyte, M.D., Washington University and Shriners Hospital for Children in St. Louis (USA)

Alkaline phosphatase (ALP) is the most frequently assayed enzyme. All clinicians know elevated serum ALP is concerning for skeletal disease. Since 1923, a role for ALP in physiological mineralization, and more recently pathological mineralization, has been investigated. I will review how the function of ALP became largely known from the discovery and then study, starting in 1948, of the rare metabolic bone disease called hypophosphatasia (HPP). HPP is the heritable rickets or osteomalacia that features paradoxically low serum ALP activity, spans the greatest range of expressivity for any skeletal disease, and represents the last rickets or osteomalacia awaiting a medical treatment. The insights concerning ALP from HPP became fundamental to treating this disorder. Therapy for this remarkably informative inborn-error-of-metabolism is now focused largely on promising, bone-targeted, ALP-replacement therapy.

About Dr. Michael Whyte

Michael P. Whyte, M.D. is Professor of Medicine, Pediatrics, and Genetics at the Washington University School of Medicine, a staff member of Barnes-Jewish Hospital and St. Louis Children's Hospital, and Medical-Scientific Director at the Center for Metabolic Bone Disease and Molecular Research, Shriners Hospital for Children in St. Louis, Missouri.

Dr. Whyte earned his M.D. degree at Downstate College of Medicine, State University of New York, Brooklyn, New York, and completed his internship and residency training in Internal Medicine at Bellevue Hospital in New York City. After two years as Clinical Associate at the National Institutes of Health in Bethesda, Maryland, he did his fellowship in the Division of Bone and Mineral Diseases and joined the medical faculty of the Washington University School of Medicine, St. Louis.

Dr. Whyte's research interests include especially the cause, outcome, and treatment of heritable disorders of bone and mineral metabolism in children and adults. Included are genetic forms of rickets such as hypophosphatasia and X-linked hypophosphatemia, brittle bone diseases like osteogenesis imperfecta, conditions that cause dense bones such as osteopetrosis, and disorders of accelerated skeletal turnover including juvenile Paget's disease. Laboratory investigations include searches for the underlying mutated genes of new disorders. Phenotype/genotype correlations aim to better understand the pathogenesis of established conditions. Bone-targeted alkaline phosphatase replacement therapy is being evaluated for children and teenagers with hypophosphatasia. The Research Center at Shriners Hospital serves as a national resource for the diagnosis, treatment, and investigation of disorders of bone and mineral metabolism and skeletal dysplasias in children. Dr. Whyte has authored or coauthored more than 300 scientific papers or book chapters concerning these disorders.

Symposia

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

Friday, October 9

Metabolism of Bone Cells

11:30 am - 12:45 pm

This program is supported by an educational grant from Merck & Co., Inc.

Co-Chairs:

Gerard Karsenty, M.D., Ph.D., Columbia University (USA)

Ernestina Schipani, M.D., Ph.D., University of Michigan (USA)

Angiogenesis Revisited: Endothelial Cell Metabolism as a Target?

Peter Carmeliet, M.D., Ph.D., University of Leuven (Belgium)

Osteoclast Metabolism

Kyoji Ikeda, M.D., National Center for Geriatrics and Gerontology (Japan)

The Bioenergetics of Bone

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

Skeletal Consequences of Diabetes and Obesity

11:30 am – 12:45 pm

This program is supported by an educational grant from Lilly.

Co-Chairs:

Victoria Borba, M.D., Ph.D., Universidade Federal De Parama (Brazil)

Diane Schneider, M.D., MSc, University of California, San Diego (USA)

Role of Diabetes and Its Treatments

Serge Ferrari, M.D., Geneva University Hospital and Faculty of Medicine (Switzerland)

Obesity and Skeletal Health

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

Diabetes, Obesity and Fracture Risk Assessment: Paradox and Progress

William Leslie, M.D., MSc, FRCPC, University of Manitoba (Canada)

Plenary Symposium – Bone Marrow Microenvironment

3:00 pm – 4:15 pm

This program is supported by educational grants from Merck & Co., Inc. and Lilly.

Co-Chairs:

Maurizio Pacifici, Ph.D., Children's Hospital of Philadelphia (USA)

Joy Wu, M.D., Ph.D., Stanford University School of Medicine (USA)

The Bone- Blood Connection: Skeletal Subsets Governing the Production of Immune Cells

David Scadden, M.D., Harvard University and Massachusetts General Hospital (USA)

Skeletal Stem Cells in Adult Bone Marrow

Sean Morrison, Ph.D., University of Texas Southwestern Medical Center (USA)

Organization and Function of the Vasculature in the Skeletal System

Ralf Adams, Ph.D., Max Planck Institute for Molecular Biomedicine (Germany)

Symposia

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

Sunday, October 11

Low BMD and Fractures in Young People

4:30 pm – 5:45 pm

This program is supported by an educational grant from Lilly.

Co-Chairs:

Angela Cheung, M.D., Ph.D., University Health Network,
University of Toronto (Canada)

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

Osteoporosis in Children

Laura Bachrach, M.D., Stanford University School of Medicine (USA)

Osteoporosis in Pre-Menopausal Women

Elizabeth Shane, M.D., Columbia University (USA)

Idiopathic Osteoporosis in Men

Eric Orwoll, M.D., Oregon Health and Science University (USA)

Greg Mundy Memorial Session: Skeletal Neoplasia

4:30 pm – 5:45 pm

Co-Chairs:

Florent Elefteriou, Ph.D., Vanderbilt University (USA)

Archana Sanjay, Ph.D., University of Connecticut Health Center (USA)

Genetic Mechanisms in Osteosarcoma

Brendan Lee, M.D., Ph.D., Baylor College of Medicine (USA)

Tumor-Stromal Interactions in Breast Cancer Bone Metastasis

Yibin Kang, Ph.D., Princeton University (USA)

Tumor/Bone Microenvironment Interactions: Learning Lessons from Multiple Myeloma

Peter Croucher, Ph.D., Garvan Institute of Medical Research (Australia)

"This meeting is the biggest event in my academic calendar. It gives me an opportunity to learn novel concepts in bone biology and see where the community is going as per the research."

Neha Dole, Ph.D. Candidate (Biomedical Science) University of Connecticut Health Center (USA)

Symposia

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

Monday, October 12

Plenary Symposium – Bone Health in Patients Treated for Cancer

2:30 pm – 4:00 pm

This program is supported by an educational grant from Lilly.

Co-Chairs:

Jan Bruder, M.D., University of Texas Health Science Center at San Antonio (USA)

Beatrice Edwards, M.D., FACP, MD Anderson Cancer Center (USA)

Cancer Treatment Induces Bone Loss (CTIBL) in Women with Breast Cancer – Size of the Problem and Intervention Strategies

Payman Hadji, M.D., Krankenhaus Nordwest (Germany)

Prevention of Treatment and Disease-Related Skeletal Morbidity in Men with Prostate Cancer

Matthew Smith, M.D., Massachusetts General Hospital (USA)

Patients with Bone Marrow Cancers

Matthew Drake, M.D., Ph.D., Mayo Clinic (Mayo)



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. Sessions will be held Friday through Monday.

Please be sure to purchase a Meet-the-Professor Handout Booklet that contains all the handouts supplied by the professors. The booklet can be purchased for \$20 USD when you register, to be picked up on site at the Convention Center. Handout booklets will also be available in PDF formation for download in advance of the meeting at no charge to members and meeting attendees.

Friday, October 9 | 10:00 am – 11:00 am

B Bone Biomechanics and Age-Dependent Changes

Sandra Shefelbine, Ph.D., Northeastern University (USA)

B Inflammatory Bone Loss

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

C Communicating Benefits and Risks of Osteoporosis Treatment

E. Michael Lewiecki, M.D., FACP, FACE, University of New Mexico School of Medicine (USA)

C Osteosarcopenia: Managing Frailty

This program is supported by an educational grant from Merck & Co., Inc.

Neil Binkley, M.D., University of Wisconsin, Madison (USA)

T Skeletal Aging

Stavros Manolagas, M.D., Ph.D., Central Arkansas VA Healthcare System, University of Arkansas for Medical Sciences (USA)

**T Bone Quality-Raman, FTIR, SAXS, BSEM:
What Do These Acronyms Mean?**

Eleftherios Paschalis, Ph.D., Ludwig Boltzmann Institute for Osteology (Austria)

B Basic Session

C Clinical Session

T Translational Session

Meet-the-Professor Sessions

Saturday, October 10 | 11:30 am – 12:30 pm

B Effects of Glucocorticoids on Bone

This program is supported by an educational grant from Merck & Co., Inc.

Hong Zhou, M.D., Ph.D., Bone Research Program, ANZAC Research Institute,
University of Sydney (Australia)

B In Vivo Imaging of Bone Cells

Masaru Ishii, M.D., Ph.D., Osaka University (Japan)

C Hyperparathyroidism: An Update

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

C Treating Osteoporosis in the Elderly: Is the Horse Ever Out of the Barn?

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

T Skeletal Tissue Regeneration and Engineering

Frank Luyten, M.D., Ph.D., KU Leuven (Belgium)

T Mouse Models and Their Use in Defining Key Osteoporosis Genes

Cheryl Ackert-Bicknell, Ph.D., University of Rochester (USA)

Sunday, October 11 | 11:30 am – 12:30 pm

B Neuronal Regulation of Bone

Gerard Karsenty, M.D., Ph.D., Columbia University (USA)

B Paracrine Signals and Bone Remodeling

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

C Drug Holidays: When and How?

Robert Josse, M.D., St. Michael's Hospital, University of Toronto (Canada)

C Management of Hypoparathyroidism

Dolores Shoback, M.D., VA Medical Center (USA)

T Vitamin D Biology (Mouse Models)

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

T Estradiol and Mechanical Loading

Marjolein van der Meulen, Cornell University (USA)

B Basic Session

C Clinical Session

T Translational Session

Meet-the-Professor Sessions

Monday, October 12 | 11:30 am – 12:30 pm

B New Developments in Wnt Signaling and Bone

Francesca Gori, Ph.D., Harvard School of Dental Medicine, Massachusetts General Hospital (USA)

B Fat-Bone Connection

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

C Implementing a Fracture Liaison Service

Piet Geusens, M.D., Ph.D., University of Hasselt (Belgium)

C Calcium and Vitamin D: Current Status

TBD

T Role of the Microbiome in Skeletal Biology

Claes Ohlsson, M.D., Ph.D., Sahlgrenska Academy (Sweden)

T Mouse Models of Osteoarthritis: Promises and Pitfalls

Martine Cohen-Solal, M.D., Centre Viggo Petersen (France)

“There is no other meeting that effectively fills my needs as a scientist.”

Bernard Halloran, UC San Francisco (USA)

B Basic Session

C Clinical Session

T Translational Session

Special Sessions

Friday, October 9

Highlights of the ASBMR 2015 Annual Meeting

10:00 am - 11:30 am

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)

Joan Lappe, R.N., Ph.D., Creighton University (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 Session: How to Connect Your Specific Aims to Your Hypotheses

10:00 am - 11:30 am

Sponsored by the ASBMR Membership Engagement and Education Committee

A panel of experts made up of senior scientists will offer insights on how to write the specific aims section of a grant to clearly connect to your hypotheses. Panelists will review both basic and clinical grant examples and will compare and contrast the differences in these grant formats. Participants will also have the opportunity to break into small group discussions with senior scientists at tables labeled either 'basic' or 'clinical'. This is a can't-miss opportunity for researchers at any career stage who want to gain valuable insight into writing a grant and getting their research funded.

Co-Chairs:

Melissa Kacena, Ph.D., Indiana University School of Medicine (USA), Membership Engagement and Education Committee Co-Chair

Stavroula Kousteni, Ph.D., Columbia University Medical Center (USA), Membership Engagement and Education Committee Co-Chair

Panelists:

Jane Cauley, Ph.D., University of Pittsburgh Graduate School of Public Health (USA)

Louis Gerstenfeld, Ph.D., Boston University School of Medicine (USA)

Saturday, October 10

ASBMR/ECTS Clinical Debate – The Diagnosis of Osteoporosis Should Be Changed to Include Patients at High Fracture Risk Rather Than Being Based on a T-score

8:00 am - 9:30 am

Co-Chairs:

Socrates Papapoulos, M.D., Leiden University Medical Center (The Netherlands)

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

Debaters:

For the Motion

Nelson Watts, M.D., Mercy Health Osteoporosis and Bone Health Services (USA)

Against the Motion

John Kanis, M.D., University of Sheffield (United Kingdom)

Special Sessions

Saturday, October 10 (continued)

Understanding NIH Career Development K Awards: Opportunities and Challenges

11:30 a.m. – 12:30 p.m.

Are you a rising star? Attend this session and see how NIH career development K Awards and ASBMR can help you succeed!

Introduction:

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

K Award Opportunities:

Joan McGowan, Ph.D., National Institute of Arthritis, Musculoskeletal and Skin Disease (USA)

Saul Malozowski, M.D., Ph.D., MBA, National Institution of Diabetes and Digestive and Kidney Diseases (USA)

K Award Challenges:

Elizabeth Shane, M.D., Columbia University (USA)

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

Small Ways to Utilize Big Data in Your Research

11:30 am – 12:30 pm

“Big data” gives us the opportunity to make tremendous strides in the advancement of our scientific knowledge and understanding of the world around us. However, for many, how to get started utilizing big data in our own research is a challenge. Join us for this session to discuss the basics of big data and how your colleagues are using it in exciting translational and clinical applications that are increasing our understanding of musculoskeletal diseases.

Co-chairs:

Lynda Bonewald, Ph.D., University of Missouri – Kansas City (USA)

Fernando Rivadeneira, M.D., Ph.D., Erasmus University Medical Center (The Netherlands)

Speakers:

Using Big Data to Translate Genetics Into Clinical Practice

Matt Brown, M.D., University of Queensland (New Zealand)

Using the Newest Version of the Road Map and ENCODE Data in Genomic Research

Matthew Maurano, Ph.D., New York University (USA).

Special Sessions

Saturday, October 10 (continued)

Preclinical Science Evening – Bone Cells: From Genetic Manipulation to the Epigenome

6:30 pm – 8:30 pm

Space is limited and available on a first-come, first-served basis. Attendees must be registered for the ASBMR 2015 Annual Meeting.

Co-Chairs:

Ivo Kalajzic, M.D., Ph.D., University of Connecticut Health Center (USA)

Angela Bruzzaniti, Ph.D., Indiana University School of Dentistry (USA)

Use of the Cre-lox System to Study Cells of the Osteoblasts Lineage In Vivo

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

Epigenetics in Bone

Andre Van Wijnen, Ph.D., Mayo Clinic (USA)

Engaging the Public Epigenomic Resources

Ting Wang, Ph.D., Washington University in St. Louis (USA)

Clinical Evening – Controversial Issues in Osteoporosis

6:30 pm – 8:30 pm

This program is supported by educational grants from Amgen, Inc., Lilly and Radius Health.

Space is limited and available on a first-come, first-served basis. Attendees must be registered for the ASBMR 2015 Annual Meeting.

Co-Chairs:

Steven Harris, M.D., University of California, San Francisco (USA)

Marjorie Luckey, M.D., Barnabas Health Osteoporosis Center (USA)

The Resurrection of Estrogen in the Prevention of Fractures

Tobias Johannes de Villers, MBChB, Panorama Hospital (South Africa)

Optimizing Combined and Sequential Anabolic and Anti-remodeling Therapy in Postmenopausal Osteoporosis

Benjamin Leder, M.D., Massachusetts General Hospital Harvard Medical School (USA)

Goal-Directed Therapy for Osteoporosis

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

Special Sessions

Sunday, October 11

Increase Your Chances of Getting Published

11:30 am – 12:30 pm

Meet with *JBMR*® Editor-in-Chief Dr. Juliet Compston at this year's Publications Workshop. You'll learn how to improve the quality of your journal manuscripts, what *JBMR*® is looking for and how to increase your chances of getting published. Wiley Senior Marketing Manager Larry Grodsky, Wiley Executive Editor Jinnie Kim, and Wiley Associate Editor Katie Simmons will also update you on maximizing visibility for your paper, navigating the submission process and timeline, and taking advantage of the latest technology. Whether you're a new author considering submitting a paper or a seasoned journal contributor, don't miss this unique opportunity to hear directly from and interact with *JBMR*®'s editor!

Report from the ASBMR Task Force on the Long-Term Safety and Efficacy of Vertebral Augmentation

11:30 am – 12:30 pm

The Task Force on the Long-Term Safety and Efficacy of Vertebral Augmentation was charged with 1) reviewing the literature and other sources to assess what is currently known and not known about the safety and efficacy of vertebral augmentation; 2) conducting a meta-analysis to assess the safety of vertebral augmentation; 3) identifying key questions and knowledge gaps; 4) considering the evidence base of other available treatments; 5) and offering a research agenda that will elucidate the safety and efficacy of vertebral augmentation. At this session the task force will present its preliminary findings.

Scientific Integrity – Enhancing the Reproducibility of Results in Preclinical Studies

11:30 am – 12:30 pm

Panelists:

Perspective from NIH (via teleconference)

Lawrence Tabak, D.D.S., Ph.D., Principal Deputy Director, National Institutes of Health (USA)

Perspective from Publishers

Clifford Rosen, M.D., Associate Editor, New England Journal of Medicine, Maine Medical Center (USA)

Perspective from the Research Community

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

Stavros Manolagas, M.D., Ph.D., University of Arkansas for Medical Sciences (USA)



Special Sessions

Monday, October 12

Career Development Session: Moving on in Your Career: How to Make Successful Transitions

11:30 am – 12:30 pm

Sponsored by the ASBMR Membership Engagement and Education Committee and the Women in Bone and Mineral Research Committee

Transitions are an inevitable part of growth and development for any career path, and those transitions are often met with successes and challenges. This session will provide commentary from an experienced ASBMR member on his/her own experiences with career transitions, followed by the opportunity for small group break-out discussions. Small discussion table topics will cover various transition types, including: non-tenure track to tenure-track, industry to academia, graduate student to post-doc, post-doc to first faculty position, and more. This is an interactive session meant for any and all who are expecting to navigate, or who have already navigated, a career transition in the bone and mineral field.

Co-Chairs:

Teresita Bellido, Ph.D., Indiana University School of Medicine (USA), Women in Bone and Mineral Research Committee Chair

Melissa Kacena, Ph.D., Indiana University School of Medicine (USA), Membership Engagement and Education Committee Co-Chair

*Stavroula Kousteni, Ph.D., Columbia University (USA),
Membership Engagement and Education Committee Co-Chair*

Speaker:

Vicki Rosen, Ph.D., Harvard School of Dental Medicine (USA)

Report from the ASBMR-ORS Task Force on Cell-Based Therapies

11:30 am – 12:30 pm

The joint ASBMR-Orthopedic Research Society (ORS) Task Force on Cell-based Therapies was convened by the two organizations and charged with 1) recommending a provisional case definition of cell-based therapies, including cell sources and target tissues, so that subsequent studies will report using the same language and avoid ambiguity due to the complexity of the cell preparatory steps; 2) reviewing the current available information, in order to assess what is actually known and what is not known about different cell-based therapies, the cellular sources, and protocols for addressing specific target tissues; 3) reviewing the available non-invasive diagnostic (e.g., biomarkers) and imaging techniques for characterizing the outcome of cell-based therapies; 4) identifying the key questions that the scientific community should address and recommending a research agenda to elucidate the best approaches for cell-based therapy; 5) establishing criteria for assessing potential biological and clinical efficacy and developing guidelines appropriate to the claimed use of each cell-based therapy. At this session the task force will present its preliminary work.



Networking and Social Opportunities

Friday, October 9

Welcome Reception and Plenary Poster Session

5:30 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 ASBMR Discovery Hall. Meeting badges are required for admission. Guests may purchase a badge for \$50 at the ASBMR Registration Counter for admittance to the Welcome Reception.

Young Investigator, Diverse Member, and New Member Reception

Sponsored by the ASBMR Membership Engagement and Education Committee and Young Investigator Subcommittee, and Diversity Subcommittee

5:30 pm – 7:00 pm

The ASBMR Membership Engagement and Education Committee, Young Investigator and Diversity Subcommittee members will be in attendance for this meet-and-greet networking event, which promotes networking among young investigators, diverse members, and ASBMR leadership. This reception will be held concurrently with the Welcome Reception and the Plenary Poster Session in the Young Investigator Lounge in the ASBMR Networking Center in the Discovery Hall.

Young Investigator Networking Hour

Sponsored by the ASBMR Membership Engagement and Education Committee and Young Investigator Subcommittee

7:15 pm – 8:00 pm

Young Investigators who wish to continue building connections with peers in a fun and informal setting are invited to attend this event. Sign up to attend when you register for the meeting.



Networking and Social Opportunities

Saturday, October 10

ASBMR Networking Breakfast

6:45 am – 8:00 am

Sponsored by the ASBMR Membership Engagement and Education Committee

Young Investigators, first-time attendees, and mid-career investigators are invited to join ASBMR leadership, senior investigators, and NIH representatives for an informal networking breakfast. Tables will be marked according to research topics and attendees will be able to sit at a specific table and talk to senior scientists about funding opportunities in that area of research. Tables will range from osteoporosis to rare bone disease and will offer experts from different funding sources ranging from Arthritis UK to the March of Dimes. This breakfast is complimentary for all attendees.

ASBMR Networking Event: Seattle Rocks!

8:30 pm – 11:30 pm

Join us for a fun night of drinks and dancing as we embrace the Seattle music scene. Admission is included with Annual Meeting registration.

Sunday, October 11

ASBMR Annual Town Hall Meeting and Reception

6:00 pm – 7:00 pm

You are invited to attend the ASBMR Town Hall Meeting and Reception, where you will learn about the Society, including the year in review, planned activities, new strategic directions and leadership opportunities. Come learn more about ASBMR, meet with leadership, ask questions during an “open-mic” period and enjoy a wine and cheese reception.

Diversity Happy Hour

7:30 pm – 8:30 pm

Sponsored by the ASBMR Membership Engagement and Education Committee and the Diversity Subcommittee

The ASBMR Diversity Subcommittee looks forward to connecting with attendees and members to celebrate racial and ethnic diversity within the Society. Food and drink will be provided.

Networking and Social Opportunities

Ongoing Opportunities

ASBMR Networking Center

Located near registration, the ASBMR Networking Center is a central spot to connect with old colleagues and meet new collaborators and friends. It's also a great place to meet our friendly ASBMR staff!

NIH Lounge

Representatives from the U.S. National Institutes of Health (NIH) and the Center for Scientific Review (CSR) will be available in the NIH Lounge in the Discovery Hall 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, Diverse Member and New Member Lounge

All young investigators, diverse members and new members are invited to visit the lounge, located in the ASBMR Networking Center in the Discovery Hall. Don't miss this opportunity to make new friends and expand your network of colleagues.

Poster Tours

Sponsored by the ASBMR Membership Engagement and Education Committee

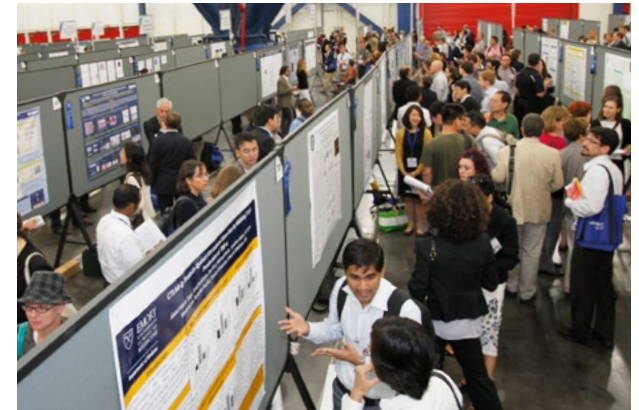
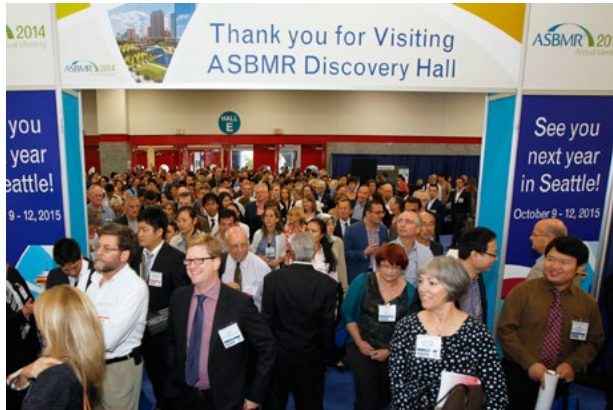
Back by popular demand, the Annual Meeting Poster Session Tours will take place during each of the three poster sessions on Saturday, October 10, Sunday, October 11 and Monday, October 12. These tours will be guided by prominent scientists in the bone field to assist attendees in navigating the science within the poster hall. The tours will begin in the Discovery Hall foyer and will last approximately 60 minutes. Please visit the ASBMR website in mid-September to sign up to attend 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 Program. Additional tickets are required. See page 24 for topics and speakers.

The Epicenter of Science and Technology: the ASBMR Discovery Hall

Join us in the ASBMR Discovery Hall, a truly unique experience beyond the traditional exhibit hall.



The Latest Science

Browse through 1,300 poster presentations and learn about the new discoveries your colleagues are making. Take part in a 60 minute guided Poster Tour with prominent scientists in the bone field, and explore the latest science.


The Latest Opportunities

Connect with your colleagues in the ASBMR Networking Center to find new opportunities for collaboration, and to learn more about what other attendees are working on.

The Latest Solutions

Find the newest products and services that can provide assistance to your lab or clinic. Our exhibitors are bringing their hottest solutions and can't wait to share them with you! Make sure you get your raffle card signed for a daily chance to win an iPad!

Find everything you need in the ASBMR Discovery Hall!



ASBMR Symposium:

Crosstalk Between **Kidney and Bone:** Bench to Bedside

October 8, 2015
Washington State Convention Center, Seattle, Washington

This program is supported by educational grants from Fresenius Medical Care North America, Keryx Biopharmaceuticals, Inc., Lilly, Merck & Co., Inc. and Ultragenyx Pharmaceutical Inc.

This year's ASBMR symposium has been organized to bring thought leaders together to discuss and accelerate the emerging scientific discoveries in the systems biology involving kidney and bone crosstalk in mortality, cardiovascular disease, osteoporosis, aging and kidney disease. The goal of this topical meeting is to present the latest research on skeletal and kidney interactions in biology and disease in order to encourage collaboration in addressing the current gaps in this area.

Welcome Remarks

8:00 am – 8:10 am

Endocrine FGFs and Klotho as Paradigms for Bone Kidney Crosstalk

8:10 am – 9:00 am

Co-Chairs:

Beate Lanske, Ph.D., Harvard School of Dental Medicine (USA)

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

Speaker:

Orson Moe, M.D., University of Texas Southwestern (USA)

FGF23 and Klotho: Combined and Specific Functions

9:00 am – 10:20 am

Co-Chairs:

Beate Lanske, Ph.D., Harvard School of Dental Medicine (USA)

Susan Schiavi, Ph.D., Genzyme Corporation (USA)

Genetic Diseases Resulting in Disordered FGF23/Klotho Biology

Michael Econs, M.D., Indiana University School of Medicine (USA)

FGF23-Klotho Signaling Axis in the Kidney

Reinhold Erben, M.D., D.V.M., University of Veterinary Medicine (Austria)

FGF23-Independent Actions of Klotho

Makoto Kuro-O, M.D., Ph.D., University of Texas Southwestern (USA)

Klotho-Independent Actions of FGF23

Christian Faul, Ph.D., University of Miami (USA)

Break

10:20 am – 10:45 am

CKD-MBD: Roles of FGF23 and Klotho

10:45 am – 12:05 pm

Co-Chairs:

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

Katherine Wesseling-Perry, M.D., University of California, Los Angeles (USA)

CKD-MBD and Epidemiology on Cardiovascular Risk

Myles Wolf, M.D., Northwestern University (USA)

CKD-MBD: Novel Pathogenetic Insights

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

Regulation of FGF23 Secretion and Function

L. Darryl Quarles, M.D., University of Tennessee Health Sciences Center (USA)

sKlotho Function of FGF23

Kenneth White, Ph.D., Indiana University School of Medicine (USA)

Lunch

12:05 pm – 1:00 pm

Cardiovascular Complications in Aging, Diabetes & CKD

1:00 pm – 2:00 pm

Co-Chairs:

Julia Scialla, M.D., MHS, Duke University (USA)

Yin Tintut, Ph.D., University of California, Los Angeles (USA)

Vascular Calcifications in CKD/Klotho/FGF23

Cecilia Giachelli, Ph.D., University of Washington (USA)

Cardiac Disease in CKD Clinical Epidemiology

Mark Sarnak, M.D., Tufts University (USA)

Cardiac Disease in CKD

Sharon Moe, M.D., Indiana University School of Medicine (USA)

Break

2:00 pm – 2:20 pm

Treatment of Disorders: Bone-Kidney Crosstalk

2:20 pm – 3:20 pm

Co-Chairs:

TBD

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

Phosphate Binding in the control of FGF23

Tamara Isakova, M.D., Northwestern University (USA)

Treatment of FGF23-related Hypophosphatemic Diseases

Seiji Fukumoto, M.D., Ph.D., University of Tokushima (Japan)

Renal Osteodystrophy/Treatment

Stuart Sprague, D.O., Northwestern University (USA)

Break

3:20 pm – 3:40 pm

Hot New Topics

3:40 pm – 4:40 pm

Co-Chairs:

Kenneth White, Ph.D., Indiana University School of Medicine (USA)

Marja Marie Hurley, M.D., University of Connecticut Health Center (USA)

Poster Session and Reception

4:40 pm – 6:00 pm

2015 Ancillary Programs

Friday, October 9	Sunday, October 11
7:15 pm – 9:45 pm Adult Bone and Mineral Working Group	7:15 pm – 9:30 pm Bone Strength Working Group
7:30 pm – 9:30 pm Bone Turnover Markers Working Group	7:15 pm – 9:15 pm Molecular Biology and Pathology of the Skeleton Working Group
7:15 pm – 9:30 pm Muscle and Bone Working Group	7:15 pm – 9:30 pm Nutrition Working Group
7:15 pm – 9:45 pm Rare Bone Disease Working Group	7:15 pm – 9:30 pm Pediatric Bone and Mineral Working Group

ASBMR Expectation of Authors and Presenters

The 2015 Ancillary Program is not part of the ASBMR Official Scientific Program. However, ASBMR expects that all authors and presenters affiliated with the ASBMR 2015 Annual Meeting and the 2015 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 2015 Ancillary Meetings.

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.

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.

2015 Ancillary Programs

Friday, October 9

Adult Bone and Mineral Working Group

7:15 pm – 9:45 pm

Registration Fee: \$45

Supported by unrestricted educational grants

The ABMWG is one of the oldest working groups of the ASBMR. The ABMWG meeting presents an historical vignette and is followed by a didactic forum in which several peer reviewed oral abstracts dedicated to clinical metabolic bone and mineral disorders are presented and scrutinized by rigorous attendee dialogue. ABMWG attendees/discussants are internationally revered clinical bone scientists, clinical bone educators and trainees in diseases related to bone and mineral metabolism. The ABMWG also bestows the coveted Boy Frame Award for “Excellence in Clinical Research” at its annual meeting.

A buffet dinner will precede the program.

For further information, please contact:

Alan Malabanan, M.D.

Division of Endocrinology, Diabetes, and Metabolism

Beth Israel Deaconess Medical Center, Boston, MA

[Email: amalaban@bidmc.harvard.edu](mailto:amalaban@bidmc.harvard.edu)

Bone Turnover Markers Working Group

7:30 pm – 9:30 pm

Registration Fee: \$30

Update on the Clinical and Biologic Interpretation of Bone Turnover Markers.

Over the last year there has been continued progress describing the clinical and biologic implications of bone turnover measurements. This year the Working Group meeting will include a review of bone turnover in diabetics and an update on the results of a project pooling individual bone turnover data from multiple trials of anti-fracture treatments. Lastly there will be a presentation on the status of newer bone biomarkers, such as periostin and micro RNA.

A light dinner will precede the program.

For further information, please contact:

Douglas C. Bauer, M.D.

University of California, San Francisco

[Email: dbauer@psg.ucsf.edu](mailto:dbauer@psg.ucsf.edu)

2015 Ancillary Programs

Friday, October 9 (continued)

Muscle and Bone Working Group

7:15 pm - 9:30 pm

Registration fee: \$50

Supported by an educational grant from Orthometrix Inc.

There will be four 20-minute expert talks focusing on the relationship between muscle and bone, including how this relationship can be measured using instrumentation such as force plates and cross-sectional imaging systems. Ample time will be allocated for questions after each expert talk.

A box dinner will precede the program.

For further information, please contact:

Christopher L. Gordon, Ph.D.
McMaster University
Faculty of Health Sciences, Department of Radiology
[Email: christophergordon@gmail.com](mailto:christophergordon@gmail.com)

Rare Bone Disease Working Group

7:15 pm - 9:45 pm

Registration fee: \$40

Supported by an educational grant from Alexion, Horizon Pharma and Ultragenyx.

Speakers will discuss the following topics: modeling rare bone disease in animals; bone histomorphometry in humans and mice; studies of rare disease and important statistical consideration. There will also be a panel discussion on pre-clinical studies related to rare bone disease with panelists representing academia, industry and the FDA. There will be ample time for questions and answers and discussion.

Dinner will precede the program.

For further information please contact:

Charlene Waldman
Consultant to the Osteogenesis Imperfecta Foundation
[Email: waldmancharlene@yahoo.com](mailto:waldmancharlene@yahoo.com)

2015 Ancillary Programs

Sunday, October 11

Bone Strength Working Group

7:15 pm – 9:30 pm

Registration fee: \$35

Sponsored by the Canadian Bone Strength Working Group

The program will consist of short oral presentations followed by a keynote lectures. The top 5 abstracts related to bone strength will be selected from the ASBMR Poster program for oral presentation and discussion. The topic of the keynote lectures will be: "The Science of Skeletal Self-Repair". After the lecture, there will be time set aside for questions and discussion.

A plated dinner will precede the program.

For further information, please contact:

Angela Cheung, M.D., Ph.D.
University of Toronto
Telephone: (416) 340-4301
[Email:angela.m.cheung@gmail.com](mailto:angela.m.cheung@gmail.com)

OR

Richard Kremer, M.D., Ph.D.
McGill University Health Center
Telephone: (514) 843-1632
[Email: richard.kremer@mcgill.ca](mailto:richard.kremer@mcgill.ca)

Molecular Biology and Pathology of the Skeleton Working Group

7:15 pm – 9:15 pm

Registration Fee: \$20

Tools for Genetic and Epigenetic Skeletal Investigations

The genomic profiling of clinical, animal model and cellular samples encompasses a wide range of experimental approaches and bioinformatic analyses to interrogate disease associations, underlying mechanisms of phenotypes and discovery of unknown gene targets and noncoding RNAs. With available platforms to identify single nucleotide polymorphisms (SNPs), mutations, expression patterns and epigenetic signatures that include DNA methylation, histone modifications and microRNAs, large data sets are generated. With published data sets now publicly available, as well as many bioinformatic resources, an investigator can query these to answer their questions of interests. The challenge is knowing how to navigate through the maze of accessible information. In this year's program, speakers will focus on the "how to" for performing analyses of various types of genomic profiling studies. The session will begin with a Bioinformaticist, followed by talks using different approaches for data analysis in three skeletal-related areas:

1. Communicating with the core facilities performing sequencing and the bioinformatics
2. Analysis of genomic expression data combined with epigenetic markers to discover unknown regulated genes in normal bone and disease related
3. Transcriptome analyses for hormonal responses in the skeleton
4. Combining GWAS profiles with epigenetic markers to identify functional SNPs

For further information, please contact:

Jane Lian, Ph.D.
University of Vermont College of Medicine
[E-mail: jane.lian@uvm.edu](mailto:jane.lian@uvm.edu)

2015 Ancillary Programs

Sunday, October 11 (continued)

Nutrition Working Group

7:15 pm – 9:30 pm

Registration Fee: \$35

Supported by an educational grant from the National Dairy Council

Fetal Programming and Early Development of Bone

There is emerging data that endocrine and dietary factors are playing an important role in utero and during early development to affect adult bone. There will be three 25-minute expert talks about specific conditions that influence bone health (placental transfer and maternal vitamin D and calcium; pregnancy weight gain, sexual dimorphism in early development). Ample time will be allocated for questions and answers, comparisons and a short summation.

A plated dinner will be served during the program.

For further information, please contact:

Sue Shapses, Ph.D.

Rutgers University

[E-mail: shapses@rutgers.edu](mailto:shapses@rutgers.edu)

Pediatric Bone and Mineral Working Group

7:15 pm – 9:30 pm

Registration fee: \$35

Supported by educational grants from Ultragenyx and Alexion

The Pediatric Bone and Mineral Working Group will convene its 32nd annual meeting to hear scientific presentations and engage in discussion regarding discoveries relevant to pediatric bone and mineral diseases, healthy skeletal development, and advances in diagnostic and therapeutic modalities. In addition to our keynote speaker, we will be accepting abstracts for presentation. Four abstracts will be chosen, each to deliver a 15 minute oral presentation. Abstracts submitted for the Pediatric Bone and Mineral Working Group can also be submitted separately to the main ASBMR program. Abstracts should be submitted via email to one of the program co-chairs noted below.

For further information please contact:

Farzana Perwad M.D.

University of California San Francisco

Phone: 415-476-2423

[Email: PerwadF@peds.ucsf.edu](mailto:PerwadF@peds.ucsf.edu)

OR

Peter Tebben, M.D.

Mayo Clinic

Phone: 507-284-3300

[Email: tebben.peter@mayo.edu](mailto:tebben.peter@mayo.edu)

General Information

ASBMR Expectation 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 2015 Annual Meeting and the 2015 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 2015 Ancillary Program.

ASBMR Audio, Photo and Video Recording Policy

ASBMR expects that attendees respect each presenter's willingness to provide free exchange of scientific information without the abridgement of his or her rights or privacy and without the unauthorized copying and use of the scientific data shared during his or her presentation. In addition, ASBMR expects that attendees will respect exhibitors' desires not to have their products or booths photographed or video-recorded.

The use of mobile devices, tablets, cameras, audio-recording devices, and video-recording equipment is strictly prohibited within all Scientific Sessions, the Discovery Hall, and Poster Sessions without the express written permission of both the ASBMR and the presenter/exhibitor. Unauthorized use of the recording equipment may result in the confiscation of the equipment or the individual may be asked to leave the session or Discovery Hall. These rules are strictly enforced.

2015 Supporters

ASBMR would like to thank our 2015 Supporters for their participation in the ASBMR Annual Meeting.

As of June 25, 2015.

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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 Creighton CME, the commercial supporters of this meeting have no influence regarding topics or speakers.

Registration Information

Register by **August 13** for best rates!

ASBMR 2015 Annual Meeting Registration Fees

	Annual Meeting Only		Annual Meeting with Kidney Symposium		Kidney Symposium Only
	On/Before August 13	Aug 14 – Oct 7	On/Before August 13	Aug 14 – Oct 7	
Member	\$415	\$540	\$540	\$665	\$275
Non-Member	\$775	\$900	\$900	\$1,025	\$275
Student/Resident/Fellow Member	\$265	\$315	\$315	\$365	\$175
Student/Resident/Fellow Non Member	\$365	\$415	\$415	\$465	\$175
Allied Health Professional	\$365	\$415	\$415	\$465	\$175

Please note: attendees will be charged an additional \$50 to register onsite in Seattle.

Extra Events and Resources

Working Groups	Fees vary from \$20 – \$50 per ticket
2015 Abstracts Book	\$50 per print copy*
Meet-the-Professor Handout Book	\$20 per print copy*
Continuing Medical Education Credits	\$50 application fee

* PDF will be available online free of charge to attendees

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 email address you provide. Your confirmation will include instructions on how to log in and request changes or additional receipts. To register a group of 10 or more, email asbmr@compusystems.com for instructions.

What's included with registration fees?

Annual Meeting registration fees entitle the registrant to:

- Admission to all sessions, which includes over 30 hours of educational content
- Admission to ASBMR Discovery Hall, which includes over 1,300 scientific posters
- Friday's Welcome Reception
- All coffee breaks
- Digital copy of the 2015 Abstracts book and Meet-the-Professor Handout Booklet
- Access to the abstracts online and itinerary builder
- Unlimited networking opportunities to collaborate with other leaders in the field

Hotel Information

ASBMR has secured rates at eight hotels located within five blocks of the Convention Center. Rates range from \$170 USD - \$237 USD. [Click here](#) for more information about all of our hotel options.

We encourage you to support ASBMR by using our official housing service. By doing so, we are able to effectively document the economic impact that the ASBMR Annual Meeting has on the city we are hosting in. This is critical to negotiating rates with the city's meeting facilities, allowing us to keep costs low in other areas for our attendees.

Book Your Room

[Click here](#) for more information about international group housing, or email us at ASBMRgrouphousing@asbmr-igd.com. For information about housing for US-based groups, please email us at housing@asbmr.org.

Want to learn more about this year's host city, Seattle, Washington? [Click here!](#)



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|--------------------------------------|-------------------------------|
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