

Day-at-a-Glance



ASBMR 2011
Annual Meeting

The American Society for Bone and Mineral Research



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

The American Society for Bone and Mineral Research welcomes you to the *premier* international scientific meeting of the bone and mineral field!

2011 PROGRAM COMMITTEE

President: Sundeep Khosla, M.D.

Program Co-Chair: Suzanne Jan De Beur, M.D.

Program Co-Chair: Dwight A. Towler, M.D., Ph.D.

GENERAL INFORMATION

San Diego Convention Center

San Diego, California, USA

September 16 – 20, 2011

(All events will be held at the San Diego Convention Center unless otherwise noted)

REGISTRATION 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

EXHIBIT HALL HOURS

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

POSTERS OPEN

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

Thursday, September 15, 2011

12:00 pm – 6:00 pm **ASBMR Registration Open**
San Diego Convention Center
Hall F

Friday, September 16, 2011

(All events will be held at the San Diego Convention Center unless otherwise noted)

7:00 am – 7:00 pm **ASBMR Registration Open**
Hall F

8:30 am – 11:00 am **Plenary Symposium I - Muscle and Bone Interactions**
Room 20BCD

11:00 am – 12:00 pm **Meeting Overview for Health Professionals**
Room 31ABC

11:00 am – 12:00 pm **Regulatory Opportunities and Challenges in Osteoporosis**
Room 20A

11:00 am – 12:00 pm **Grant-Writing Workshop: Navigating the NIH
Resubmission Process**
Room 30CDE

11:00 am – 12:00 pm

Meet-the-Professor Sessions

Hypophosphatasia and Mechanisms of Biomineralization

Room 24A

Angiogenesis and Bone: Lessons From Genetically Modified Mouse Models

Room 24B

Progenitor Cells in the Biology of Ossification

Room 24C

Nephrolithiasis

Room 25A

Paget's Disease

Room 25B

Clinical Evaluation of High Bone Mass

Room 25C

Molecular Mechanisms of Mechanosensation in Bone

Room 27A

12:00 pm – 1:30 pm

Symposium - Osteoblast/Osteoclast Coupling

Room 20A

Friday, September 16, 2011 *(continued)*

12:00 pm – 1:30 pm	Symposium - Controversies and Concepts in Musculoskeletal Frailty <i>Room 20BCD</i>
1:45 pm – 3:15 pm	Symposium – Systems Approaches to Secondary Fracture Prevention: Doing Something that Actually Works <i>Room 20BCD</i>
1:45 pm – 3:15 pm	Symposium - Autophagy in Bone Health and Disease <i>Room 20A</i>
3:15 pm – 4:30 pm	Welcome & Announcements <i>Room 20BCD</i> Presentation of ASBMR Louis V. Avioli Memorial Founders Award and William F. Neuman Award <i>Room 20BCD</i> ASBMR/ECTS Clinical Debate – Calcium Supplementation Is Safe and Effective <i>Room 20BCD</i>
3:30 pm – 5:00 pm	State-of-the-Art-Lectures – New Concepts in Bone Remodeling <i>Room 20A</i>

5:00 pm – 5:45 pm

Oral Poster Session - Vitamin D and Muscle and Bone
Room 20BCD

Oral Poster Session - Diabetes and Bone as an
Endocrine Organ
Room 20A

Oral Poster Session - Osteoarthritis and
Mechanotransduction
Room 31ABC

Oral Poster Session - Vascular Calcification and
Renal Bone
Room 30CDE

5:45 pm – 7:00 pm

Welcome Reception & Plenary Poster Session
Hall GH

New Investigator/New Member/First Time
Attendee Reception
Young Investigator Lounge, Hall GH

Minority Investigator Reception
Young Investigator Lounge, Hall GH

7:00 pm – 8:00 pm

Young Investigator Networking Hour
Center Terrace

Friday, September 16, 2011 *(continued)*

7:00 pm – 8:00 pm **Minority Investigator Networking Hour**
Center Terrace

Ancillary Program - Working Groups – Tickets Required

7:15 pm – 9:15 pm **In Vivo Working Group**
Room 30CDE

7:15 pm – 9:15 pm **Working Group on Skeletal Aging**
Room 30AB

7:15 pm – 9:30 pm **Pediatric Bone and Mineral Working Group**
Room 33ABC

7:15 pm – 9:45 pm **Muscle and Bone Working Group**
Room 32AB

Saturday, September 17, 2011

(All events will be held at the San Diego Convention Center unless otherwise noted)

6:45 am – 8:00 am **ASBMR Networking Breakfast**
Room 33ABC

7:00 am – 5:30 pm **ASBMR Registration Open**
Hall F

8:00 am – 9:10 am

Louis V. Avioli Lecture – Osteocytes: The Great Communicators, Lynda Bonewald, Ph.D., University of Missouri – Kansas City

Room 20BCD

Presentation of ASBMR Gideon A. Rodan Excellence in Mentorship Award & Lawrence G. Raisz Award

Room 20BCD

9:10 am – 9:30 am

Coffee Break

Hall GH

9:30 am – 11:00 am

Concurrent Oral Sessions

1. Osteoblasts

Room 29ABCD

2. Bone, Cartilage and Connective Tissue Matrix

Room 30CDE

3. Genetic Disorders of Bone

Room 32AB

4. Osteoporosis Epidemiology: Biomarkers for Fracture

Room 20A

5. New Approaches to Osteoporosis Treatment (Preclinical)

Room 31ABC

6. John H. Carsten's Memorial Session for Osteoporosis

Room 20BCD

Saturday September 17, 2011 *(continued)*

10:00 am – 11:00 am	Meet-the-Professor Sessions Managing Bone Loss in Anorexia Nervosa <i>Room 25A</i> Using Bone Markers in Clinical Practice <i>Room 25B</i> Premenopausal Bone Loss <i>Room 25C</i>
11:00 am – 1:00 pm	Poster Session I & Poster Tours* <i>Hall GH</i> <i>* Poster Tours will begin at the ASBMR Networking Center at 11:30 am</i>
1:00 pm – 2:00 pm	Career Development: Building Interdisciplinary Collaboration in Research <i>Room 32AB</i>
1:00 pm – 2:00 pm	Clinical Roundtable/Case Conference – Anabolic Agents for Fracture Repair <i>Room 20BCD</i>
1:00 pm – 2:00 pm	Special Lecture on Sarcopenia <i>Room 31ABC</i>

1:00 pm – 2:00 pm

Meet-the-Professor Sessions

PTH/PTHrP Signaling in Osteocyte Physiology

Room 24A

Phosphate Regulation of Chondrocyte Physiology and Fracture Repair

Room 24B

Management of Skeletal Health in Women with Breast Cancer

Room 24C

Male Osteoporosis

Room 25A

Primary Hyperparathyroidism

Room 25B

Understanding and Applying HRpQCT

Room 25C

Angiogenic Responses to Mechanical Loads

Room 27A

Saturday September 17, 2011 *(continued)*

2:15 pm – 3:45 pm

Concurrent Oral Sessions

7. Osteocytes

Room 29ABCD

8. Osteoclasts

Room 30CDE

9. Calcitropic and Phosphotropic Hormones

Room 31ABC

10. Osteoporosis Assessment: Prediction of Fracture Risk

Room 20A

11. Osteoporosis Treatment (Clinical):

Anti-resorptive Treatment

Room 20BCD

12. Bone Biomechanics and Quality: Animal Models

Room 32AB

3:30 pm – 4:00 pm

Coffee Break

Hall GH

4:00 pm – 5:30 pm

Clinical Update for Health Professionals

Room 20BCD

4:00 pm – 5:30 pm

State-of-the-Art Lectures:

Bone – Hematopoietic Interactions

Room 20A

- 5:30 pm – 8:30 pm **Clinical Evening at ASBMR**
Manchester Grand Hyatt: Randle Ballroom (4th Level)
Space is limited, and available on a first-come, first-served basis
- 8:30 pm – 11:30 pm **ASBMR Social Event – California Dreamin'**
Manchester Grand Hyatt: Elizabeth Ballroom and Terrace (2nd Level)
Ticket Required

Sunday, September 18, 2011

(All events will be held at the San Diego Convention Center unless otherwise noted)

- 7:30 am – 5:00 pm **ASBMR Registration Open**
Hall F
- 8:00 am – 9:10 am **Gerald D. Aurbach Lecture: MicroRNA Control of Muscle Development and Disease, Eric Olson, Ph.D., University of Texas Southwestern Medical Center**
Room 20BCD
- Presentation of ASBMR Fuller Albright Award & Frederic C. Bartter Award**
Room 20BCD
- 9:10 am – 9:30 am **Coffee Break**
Hall GH

Sunday September 18, 2011 *(continued)*

9:30 am – 11:00 am

Concurrent Oral Sessions

13. Bone - Hematopoietic Interactions

Room 20A

14. Genetic Disorders of Bone and Mineral Metabolism

Room 30CDE

15. Cancer and Bone

Room 32AB

16. Osteoporosis Epidemiology: Fracture Risk in
Specific Populations

Room 20BCD

17. Disorders of Mineral Metabolism

Room 29ABCD

18. Human Studies in Bone Biomechanics
and Quality

Room 31ABC

10:00 am – 11:00 am

Meet-the-Professor Sessions

Male Osteoporosis

Room 25A

Primary Hyperparathyroidism

Room 25B

Management of Skeletal Health in Women with
Breast Cancer

Room 25C

11:00 am – 1:00 pm

Poster Session II & Poster Tours*

Hall GH

** Poster Tours will begin at the ASBMR Networking Center
at 11:30 am*

1:00 pm – 2:00 pm

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

Room 20BCD

1:00 pm – 2:00 pm

Biotechniques Workshop: Mouse Models

Room 29ABCD

1:00 pm – 2:00 pm

Special Session: When a Reporter Calls: How to
Communicate Your Research to the News Media

Room 32AB

1:00 pm – 2:00 pm

Meet-the-Professor Sessions

SOST Modulation of Bone Strength and Fracture Repair

Room 24A

BMP Signaling in Skeletal Homeostasis and
Fracture Repair

Room 24B

Sunday September 18, 2011 (*continued*)

1:00 pm – 2:00 pm

Meet-the-Professor Sessions (*continued*)

NPY Receptor Signaling in the Regulation of Bone Mass

Room 24C

The Primary Cilium and Mesenchymal Cell Fate

Room 25A

Managing Bone Loss in Anorexia Nervosa

Room 25B

Using Bone Markers in Clinical Practice

Room 25C

Premenopausal Bone Loss

Room 26A

Osteogenesis Imperfecta

Room 26B

2:15 pm – 3:45 pm

Concurrent Oral Sessions

19. Steroid Hormones and Receptors

Room 20A

20. Growth Factors, Cytokines, Immunomodulators

Room 32AB

21. TGF- β and Bone Physiology

Room 29ABCD

22. Methods of Osteoporosis Assessment

Room 31ABC

23. Osteoporosis Treatment (Clinical)

Room 20BCD

24. Childhood Factors with Bone Acquisition

Room 30CDE

3:30 pm – 4:00 pm

Coffee Break

Hall GH

4:00 pm – 5:30 pm

Clinical Update for Health Professionals – IOM Report on Vitamin D

Room 20BCD

4:00 pm – 5:30 pm

State-of-the-Art Lectures – TRP Channel Signaling in Skeletal Physiology and Mineral Metabolism

Room 20A

5:30 pm – 6:30 pm

ASBMR Town Hall Meeting and Reception

Room 31ABC

6:30 pm – 9:30 pm

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

Room 25ABC

Ticket Required

Sunday September 18, 2011 *(continued)*

Ancillary Program - Working Groups – *Tickets Required*

6:30 pm – 8:30 pm	Non-Invasive Assessment of Bone Microarchitecture and Function Working Group <i>Room 30CDE</i>
6:30 pm – 9:00 pm	Adult Bone and Mineral Working Group <i>Room 30AB</i>
6:30 pm – 9:20 pm	Vitamin D Working Group <i>Room 32AB</i>
6:30 pm – 9:30 pm	Bone Strength Working Group <i>Room 33ABC</i>

Monday, September 19, 2011

(All events will be held at the San Diego Convention Center unless otherwise noted)

7:30 am – 5:00 pm	ASBMR Registration Open <i>Hall F</i>
8:00 am – 9:40 am	Plenary Symposium II – Lipotoxicity: Bad to the Bone <i>Room 20BCD</i>
	Presentation of ASBMR Paula Stern Achievement Award and Shirley Hohl Service Award <i>Room 20BCD</i>

9:40 am – 10:00 am

Coffee Break

Hall GH

10:00 am – 11:30 am

Concurrent Oral Sessions

25. Osteoblasts

Room 20A

26. Bone, Cartilage and Connective Tissue Matrix
& Development

Room 32AB

27. Osteoclasts

Room 31ABC

28. Preserving Muscle and Bone During Aging

Room 20BCD

29. Osteoporosis Pathophysiology

Room 29ABCD

30. Hormonal and Metabolic Influence on
Bone Acquisition

Room 30CDE

Monday, September 19, 2011 *(continued)*

11:30 am – 1:30 pm

Poster Session III & Poster Tours*

Hall GH

** Poster Tours will begin at the ASBMR Networking Center at 12:00 pm*

1:30 pm – 2:30 pm

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

Room 20BCD

1:30 pm – 2:30 pm

Advocating for Science in Challenging Times

Room 20A

1:30 pm – 2:30 pm

Meet-the-Professor Sessions

Osteoprogenitor Development and Differentiation

Room 24A

Activins and Inhibins in Musculoskeletal Health

Room 24B

Human Ips Cells in Musculoskeletal Research

Room 24C

Peak Bone Mass and Assessing Bone Density in Children

Room 25A

Micronutrients and Bone

Room 25B

Managing Bone Health in the Bariatric Surgery Population

Room 25C

Vascular and Valvular Calcification

Room 26A

2:45 pm – 4:15 pm

Concurrent Oral Sessions

31. Genetic Disorders of Bone and Mineral Metabolism

Room 30CDE

32. Osteoclasts

Room 29ABCD

33. Growth Factors, Cytokines, Immunomodulators

Room 32AB

34. Anabolic Treatment for Osteoporosis

Room 20BCD

35. Wnt Pathway and Osteoporosis Treatment

Room 20A

36. Metabolic Influences in the Pathophysiology of Osteoporosis

Room 31ABC

4:00 pm – 4:30 pm

Coffee Break

Hall GH

Monday, September 19, 2011 *(continued)*

4:30 pm – 6:00 pm

Concurrent Oral Sessions

37. Osteoblasts

Room 20A

**38. Bone, Cartilage and Connective Tissue
Matrix & Development**

Room 30CDE

39. Cancer and Bone (Basic, Translational and Clinical)

Room 32AB

40. Skeletal Loading and Bone Quality

Room 31ABC

41. Risk of Typical and Atypical Fractures

Room 29ABCD

42. New Aspects of Standard Osteoporosis Treatment

Room 20BCD

Ancillary Program - Working Groups – Tickets Required

6:15 pm – 8:45 pm

**Molecular Biology and Pathology of Bone
Working Group**

Room 31ABC

6:30 pm – 8:30 pm

Working Group on Osteoporosis in Rheumatic Diseases

Room 30CDE

6:30 pm – 8:40 pm

Working Group on Musculoskeletal Rehabilitation in
Patients with Osteoporosis

Room 30AB

Tuesday, September 20, 2011

(All events will be held at the San Diego Convention Center unless otherwise noted)

8:30 am – 10:00 am

Concurrent Oral Sessions

43. Osteoblasts

Room 29ABCD

44. Osteoporosis Fractures and Clinical Outcomes

Room 20CD

10:00 am – 10:15 am

Coffee Break

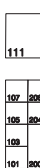
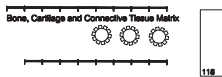
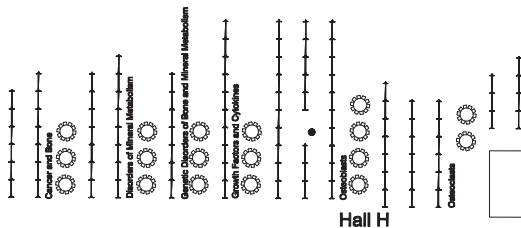
Room 20CD Lobby

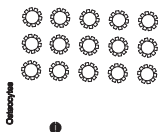
10:15 am – 11:45 am

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

Room 20CD

EXHIBIT HALL: Halls G-H



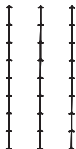
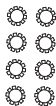


Osteoporosis

ASBMR Networking Center

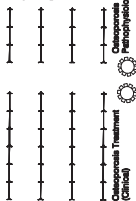


Osteoporosis Assessment



Osteoporosis Epidemiology

Hall G



Osteoporosis Pathophysiology

233	334
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429

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301	400

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405	504
403	502
401	500



Osteoporosis Treatment (Pre-Clinical)

Steroid Hormones and Receptors

Main Entrance

EXHIBITOR KEY

422 Active Life Scientific, Inc.
128 ALPCO
423 American Orthopaedic
Association
111 Amgen
303 b-cube AG
305 Bayer HealthCare, Consumer Care
335 Biomedica
318 BIOQUANT Image Analysis
Corporation
320 Caliper Life Sciences
319 Charles River
112 Corning Incorporated
200 Covance
401 DiaSorin, Inc.
500 Elsevier
410 EMD Millipore
418 Enobia Pharma
432 FASEB MARC
206 Faxitron X-Ray, LLC
411 Hologic

324 Immundiagnostik AG
334 Immunodiagnostic Systems
328 Immunotopics International
402 International Bone & Mineral
Society (IBMS)
204 International Society for Clinical
Densitometry
304 Jarrow Formulas, Inc.
404 Kubtec
429 Lilly USA, LLC
400 Lone Oak Medical Technologies
405 Maccine Pte Ltd.
201 Mindways Software
421 NIH Osteoporosis and Related
Bone Diseases NRC
203 Optasia Medical Inc.
430 Orthometrix, Inc.
300 OsteoMetrics, Inc.
403 Paget Foundation/Bone and
Cancer Foundation
419 Perceptive Informatics
219 PharmaLegacy Laboratories

302	Pharmatest Services	325	Springer
311	Quidel Corporation	501	Thomson Reuters
134	Ratoc System Engineering Co., Ltd.	211	Warner Chilcott
205	Research Diets Inc.	332	Wiley-Blackwell
301	Scanco Medical	434	Xradia, Inc.
406	SkyScan US		

SUPPORTERS

Diamond Level	Lilly USA, LLC
Gold Level	Amgen, Inc.
Bronze Level	Warner Chilcott Company, LLC Merck & Co., Inc. Pfizer, Inc.
Friend Level	Chugai Pharmaceutical Co., Ltd. EMD Millipore Kyowa Hakko Kirin Pharma Novartis Pharmaceuticals Corporation NPS Pharmaceuticals Roche Group

The background of the poster is a photograph of the Minneapolis skyline at dusk, featuring the Stone Arch Bridge and the city lights reflected in the water. Overlaid on the image are several large, semi-transparent blue curved shapes that sweep across the frame from the top left towards the bottom right.

ASBMR 2012

Annual Meeting

October 12-16, 2012
Minneapolis, Minnesota, USA

www.asbmr.org

Save the Date!