Registration and Programs

IBMS Davos Workshop: Bone Biology & Therapeutics

International Bone & Mineral Society

For more information, visit www.ibmsonline.org
Dear Colleagues,

The International Bone & Mineral Society (IBMS) is pleased to invite you to participate in the IBMS Davos Workshops: Bone Biology & Therapeutics in Davos, Switzerland, March 14-19, 2010.

This meeting was initiated in 1985 by Professor Herbert Fleisch. Professor Fleisch is recognized worldwide for his pioneering work leading to the discovery of the bisphosphonates as inhibitors of bone resorption. This work was initially done at the Laboratory for Experimental Surgery, Swiss Research Institute, Davos, Switzerland, and has changed the entire field of bone and mineral research in the past 40 years. Professor Fleisch hosted popular cutting-edge scientific workshops in Davos for more than 20 years. These workshops established a scientific standard that continues to set the bar today. Following his last meeting in 2006, IBMS agreed to organize the 2008 meeting, with Professor Fleisch as honorary chair, however, Professor Fleisch suddenly passed away in May 2007. Since his passing, IBMS has committed to maintaining the scientific traditions he established in Davos all while celebrating his memory.

The 2010 Workshops will maintain the intimate scale and informality which have characterized previous meetings, and which make scientific exchange in Davos both straightforward and enjoyable.

We hope you join us in Davos in 2010 as a continuation of a special bone tradition, and as an opportunity to update on the latest in cellular and clinical bone science.

Sincerely,

Roger Bouillon
Jane Aubin

President
Chair, Scientific Program Committee

Steering Committee Members:

Jane Aubin, Chair
Roger Bouillon, Co-Chair
Roland Baron
Juliet Compston
Steven Cummings
Gregory R. Mundy
Masaki Noda
Socrates Papapoulos
Stuart Ralston
Ian Reid
Mike Rogers
Graham Russell

Toronto, Canada
Leuven, Belgium
New Haven, CT, USA
Cambridge, United Kingdom
San Francisco, CA, USA
Nashville, TN, USA
Tokyo, Japan
Leiden, Netherlands
Edinburgh, Scotland
Auckland, New Zealand
Oxford, United Kingdom

Scientific Program Committee Members:

Jane Aubin, Chair
Jean Jacques Body
Mary Bouxsein
Roberto Civitelli
Adolfo Diez-Perez
F. Hal Ebertino
John Eisman
Francis Glorieux
Theresa Guise
Wim van Hul
Gerard Karsenty
Clemens Lowik
Stavros Manolagas
Pierre Marie
T. Jack Martin
Stefan Mundlos
Roberto Pacifi
Nicola Partridge
Lawrence Raish
Ernestina Schipani
Dwight Towler
Matthew Warman

Toronto, Canada
Brussels, Belgium
Boston, MA, USA
St. Louis, MO, USA
Barcelona, Spain
Mason, OH, USA
Sydney, Australia
Montreal, Canada
Charlottesville, VA, USA
Antwerp, Belgium
New York, NY, USA
Leiden, The Netherlands
Little Rock, AK, USA
Paris, France
Victoria, Australia
Berlin, Germany
Atlanta, GA, USA
Piscataway, NJ, USA
Farmington, CT, USA
Boston, MA, USA
St. Louis, MO, USA
Boston, MA, USA
Meeting Information

Aim
This meeting is a continuation of the 12 previous workshops held since 1985. As in the past, the aim of the meeting is to present and discuss the latest science in skeletal biology, both in health and disease, and the latest information in the field of bone therapeutics. In the past, bone therapeutics has been dominated by the bisphosphonates, but this meeting will also dedicate substantial time to other developing therapeutic classes.

Who Should Attend
The meeting will be attended by approximately 700 delegates from all over the world. Delegates will be from academia, industry and clinical practice, and will be researching, teaching or practicing across the broad areas of bone biology and bone disease. The professional groups represented will include: cell and molecular biology, pharmacology, physiology, dental research, endocrinology, epidemiology, genetics, geriatric medicine, gynecology, internal medicine, medical oncology, orthopedics, pediatrics, radiology, nuclear medicine, and rheumatology.

Educational Objectives
The Educational Objectives of the meeting are to present the most recent scientific findings on:
- The biology of the bone forming cells (osteoblasts)
- The biology of the bone resorbing cells (osteoclasts)
- The regulation of bone metabolism
- Muscle and its effects on bone
- Strategies for treating osteoporosis
- Strategies for treating Paget’s disease of bone
- The mechanisms of metastasis of malignancy to bone
- Strategies for treating metastatic malignancy to bone

Important Dates
Abstract submission deadline: November 30, 2009
Early-registration deadline: January 15, 2010
Advance registration deadline: February 19, 2010

Abstracts/Posters
Delegates who would like to present their work at the meeting either orally or as a poster are invited to submit an abstract for consideration by the Program Committee.

For any other questions, please contact IBMS Headquarters. Please be sure to follow the instructions on the Web site, complete all requested information and note the abstracts are published exactly as submitted. Errors and misspellings will not be corrected by the organizers prior to publication.

Authors will be notified by early January whether their abstract has been accepted, and they will be informed at the same time about the date, time and form of their presentation. The Program Committee reserves the right to make the final decision concerning form of presentation, but authors are asked to indicate their preference.

Grants
Travel grants will be awarded to young academic investigators. Applicants must be members of IBMS at the time of application and no more than 40 years of age by December 31, 2009 and/or within 10 years of their last degree. Confirmation of eligibility must be provided prior to awards being made. Please check the box on the abstract form if you would like to apply for a travel grant. Abstracts will be evaluated anonymously by the Program Committee and awards will be based on scientific merit. Award winners will be notified by the Program Committee.

Language
English

Venue
The workshop will be held at the Congress Centre in Davos Platz, Switzerland. Davos is nestled in the mountains of Graubünden and can be reached by a three-hour train ride or two-hour drive from Zurich. Davos is well known for its skiing, both alpine (Parsenn) and cross-country and other winter sports facilities, which should all be excellent at the time of the workshop.
Preliminary Program Schedule

Sunday March 14, 2010
17:00 pm - 20:00 pm Biology 1
Invited Speakers
Welcome Reception

Monday, March 15, 2010
08:00 am - 12:00 pm Biology 2
Invited Speakers
Oral Communications
Posters
Morning Tea

12:00 pm - 16:00 pm Break
16:00 pm - 20:00 pm Biology 3
Afternoon Tea
Posters
Invited Speakers
Oral Communications

Tuesday, March 16, 2010
08:00 am - 12:00 pm Biology 4
Invited Speakers
Oral Communications
Posters
Morning Tea

12:00 pm - 16:00 pm Break
16:00 pm - 20:00 pm Translational 1
Afternoon Tea
Invited Speakers

22:00 pm Social Event

Program Highlights

Biology 1
Chondrogenesis and Patterning
Speaker: Stefan Mundlos (Berlin, Germany)
Hot Topic - TBA
Speaker: TBA

Biology 2
Revolutionizing Gene Expression with Multi-Spectral Optoacoustic Tomography
Speaker: Vasilis Ntziachistos (Munich, Germany)
Hot Topic - TBA
Speaker: TBA

Biology 3
Cell Cycle-arrested Osteoclast Precursors
Speaker: Naoyuki Takahashi (Nagano, Japan)
Chemokine and Lipid Mediator-mediated Control of Osteoclast Migration Visualized by In Vivo Bone Imagine: A Novel Point of Regulation for Bone Homeostasis
Speaker: Masaru Ishii (Osaka, Japan)

Biology 4
Impact of Sympathetic Neuron Signals on Bone Remodeling and Cancer Metastasis
Speaker: Florent Elefteriou (Nashville, TN, USA)
Osteocyte Remodeling of their Perilacunar/canalicular Matrix: Hormonal/Mechanical Regulation
Speaker: Lynda Bonewald (Kansas City, MO, USA)
Sclerostin Regulation and Mode of Action
Speaker: Michaela Kneissal (Basel, Switzerland)

Biology 5
Mechanisms of Bone Deformation and Fracture
Speaker: Himadri Gupta (Potsdam, Germany)
Genomewide Studies in Osteoporosis
Speaker: Matt Brown (Brisbane St. Lucia, Australia)

Translational 1
T-cells Involvement in PTH Anabolic Actions
Speaker: Roberto Pacifici (Atlanta, GA, USA)
Hot Topic - TBA
Speaker: TBA
Therapeutic Targeting to Bone: Enzyme Replacement for Hypophosphatasia
Speaker: Michael Whyte (St. Louis, MO, USA)
Noninvasive Assessment of Structural and Mechanical Properties of Trabecular and Cortical Bone by Proton, Deuteron and Phosphorus Magnetic Resonance
Speaker: Felix Wehrli (Philadelphia, PA, USA)
Initiators and Inhibitors in Vascular Calcification
Speaker: Catherine Shanahan (London, UK)
## Preliminary Program Schedule

### Wednesday, March 17, 2010

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<td>Translational 2</td>
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<td>Morning Tea</td>
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<td>12:00 pm - 16:00 pm</td>
<td>Break</td>
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<td>16:00 pm - 20:00 pm</td>
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### Thursday, March 18, 2010

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<td>Therapeutic 3</td>
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<td>Oral Communications</td>
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<td>Morning Tea</td>
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<tr>
<td>12:00 pm</td>
<td>Closing Ceremony</td>
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## Program Highlights

### Translational 2:

- **Lessons Learned from CIC-7 Deficiency — Are All Anti-Resorptives the Same?**
  - Speaker: Morten Karsdal (Herlev, Denmark)
- **Personalized Medicine**
  - Speaker: TBA
- **Hot Topic - TBA**
  - Speaker: TBA

### Therapeutics 1:

- **The Pathophysiology and Treatment of Glucocorticoid Induced Osteoporosis**
  - Speaker: Nancy Lane (Davis, CA, USA)
- **Adverse Effects of Bisphosphonates**
  - Speaker: Steven Cummings (San Francisco, CA, USA)
- **Cathepsin K - A Novel Molecular Target for Treatment of Osteoporosis: Discovery of Odanacatib**
  - Speaker: Sevgi Rodan (Bryn Mawr, PA, USA)

### Therapeutics 2:

- **Sclerostin Is an Important Target for Stimulating Bone Formation, Restoring Bone Mass and Enhancing Fracture Healing**
  - Speaker: David Ke (Thousand Oaks, CA, USA)
- **Calcium Supplement Effects on Vascular Events - Is It Worth the Risk?**
  - Speaker: Ian Reid (Auckland, NZ)
- **Nanotherapeutics: Novel Engineered Nanoparticles Promote Bone Accretion In Vivo**
  - Speaker: M. Neale Weitzmann (St. Louis, MO, USA)
- **Hot Topic - TBA**
  - Speaker: TBA

### Therapeutics 3:

- **Genetics of Muscle**
  - Speaker: Eric Orwoll (Portland, OR, USA)
- **Hot Topic - TBA**
  - Speaker: TBA
- **Vitamin D**
  - Speaker: Roger Bouillon (Leuven, Belgium)
- **How Long to Treat and What to Do When You Stop (i.e. Offshoots and Rebounds)**
  - Speaker: Serge Ferrari (Geneva, Switzerland)

### Therapeutics 4: Cancer and Bone

- **Denosumab to Prevent Disease and Treatment-related Skeletal Complications in Men with Prostate Cancer: Emerging Evidence**
  - Speaker: Matt Smith (Boston, USA)
- **Anti-tumor Effects of Bisphosphonate in Man — Myth or Reality?**
  - Speaker: Rob Coleman (Sheffield, UK)
- **The Role of Disseminated Tumor Cells (DTCs) and Circulating Tumor Cells (CTCs) in the Early Development of (Bone) Metastasis**
  - Speaker: Klaus Pantel (Hamburg, Germany)
Registration & Travel Information

Group Reservations
Group reservations (10 people or more) can be completed online or by communicating with IBMS Registration Services by phone at +1.202.367.1173, by fax at +1.202.367.2173 or e-mail registration@ibmsonline.org.

Registration Procedure
You may register at www.ibmsonline.org (credit card payments only accepted online). You may also register by completing and faxing the registration form in this brochure to IBMS Registration Services at +1.202.367.2173. Payment may be made with credit card or bank transfer. For bank transfer instructions, please contact the Registration Services staff. Registrations will not be accepted by telephone. Please note that a separate registration form is needed to register each participant.

Registration Fees (All pricing in USD)
“Early” rates apply on or before January 15, 2010.
“Advance” registration closes February 19, 2010.
“On-site” Registration, please add 50 USD to “Advance” registration rate.

Travel Information
Zurich Airport is the nearest airport to Davos. The best way to get from the airport to the meeting is to take the train to Davos Platz. The train leaves hourly from the Swiss Railway station within the airport. Train tickets can be purchased at the counters of the Swiss Railways located just above the platform for the trains. Please find information about the Swiss Railways at www.sbb.ch/en/.

You must purchase a ticket before boarding the train, but you need not reserve a seat. It is a three-hour train ride. You will have to change trains twice, first in Zurich HB (main station) change for Landquart, and in Landquart, change again for Davos Platz (see timetable www.sbb.ch/en/). In Switzerland, return tickets are valid for two weeks and are less expensive than two single fares (approx CHF 110 in 2nd class and CHF 182 in 1st class).

You may also hire a car at the airport and drive to Davos; it is a two-hour drive. Davos is in the mountains and at the time of the congress the roads may still be covered with snow or ice.

The third possibility is to hire a taxi (or a small van for several people). The price is approx. CHF 800 for one way. If you would like to choose this option, please contact the local organizer.

Hotel Accommodations
You may reserve your accommodations online at www.ibmsonline.org. If you prefer to mail or fax a hotel booking form, please visit www.ibmsonline.org or contact the Davos Tourism directly:
Antonia Lehman
Congress Department
Davos Tourism
Promenade 67 CH-7270 Davos Platz
Switzerland
Telephone +41.81.415.21.66
Fax +41.81.415.21.69
E-mail: congress@davos.ch

All hotel reservations will be made through the Davos Tourism Department.

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<thead>
<tr>
<th>Session</th>
<th>IBMS Member</th>
<th>Non-Member</th>
<th>IBMS Student</th>
<th>Non-IBMS Student</th>
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<td>Early Advance</td>
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Both Translational Sessions are included in the price of the Bone Biology Session or the Therapeutics Session.
International Bone and Mineral Society • Davos Workshops: 
Bone Biology & Therapeutics • Davos, Switzerland • March 14-19, 2010

Early-registration Deadline: January 15, 2010 • REGISTER ONLINE AT WWW.IBMSONLINE.ORG

Registration Form

A. Personal Information

<table>
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<tr>
<th>Last name:</th>
<th>Degree:</th>
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<td>First name:</td>
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<td>Fax:</td>
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I intend to present ______ (number) Poster(s). If you have any special needs due to a disability, please let us know.


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<tr>
<th>Session</th>
<th>IBMS Member Early</th>
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<td>250 USD</td>
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Students must provide written certification signed by their Training Mentor/Director. See below:

I, ____________________________, certify that the individual registered at left is a student at my Institution/Company.

(Insert name of training mentor/director)

Signature__________________________________ (signature of training mentor/director)

Cancellations

All cancellations must be made in writing. Please fax cancellation notification to +1.202.367.2173 or e-mail to registration@ibmsonline.org. Refunds minus a $100 USD administrative fee will be granted until February 15, 2010. No refunds will be possible after February 15, 2010 at which time all sales are final.

C. Method of Payment

Full payment must accompany your registration form by completing the credit card information below or by bank transfer. Please use contacts at the bottom of the page to request bank transfer information.

Total Payment Due $___________________________

☐ Visa ☐ MasterCard

Card Number: ____________________________ Expiration Date: ______/____

Name of Cardholder (Print): ________________ CVV Code: (three-digit code on back of card)

Signature: ____________________________ Date: __________/____/____

Your signature authorizes your credit card to be charged for the total payment above. IBMS reserves the right to charge the correct amount if different from the total payment listed above. All information in Section A must be completed in order to register. If information is not applicable please indicate n/a in the space provided. For bank transfer information, please contact IBMS for details.

Please return the completed form at your earliest convenience to: FAX: +1.202.367.2173

Any questions please call +1.202.367.1173 or e-mail at registration@ibmsonline.org