



Forum Bone and Mineral Research

Board members:

Simone Cenci (Milano, president)

Francesco Grassi (Bologna)

Nicola Napoli (Roma)

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Anna Villa (Milano)

INFORMATION

Participation

Participation is free of charge for the Forum in Bone and Mineral Research members, who are required to register for the meeting through the organizing secretariat.

CME (Continuing medical education)

This event has been included in the CME national program for the following professions: physician (all specialities) and biologist.

CME event ID number: 1598 - 249428 - Number of credits: 8

CME Provider

PROACTIVA - Agenas Provider n. 1598

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CME scientific coordinators:

Simone Cenci - Iacopo Chiodini

Forum Congress Venue

Istituto Auxologico San Luca

Piazzale Brescia 20

20149 Milano

Organizing secretariat

SYMPOSIUM

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FORUM IN
BONE
AND
MINERAL
RESEARCH
19TH MEETING

FORUM IN BONE AND MINERAL RESEARCH 19TH MEETING

in partnership with

SIOMMMS



Milan

February, 28 - March 1, 2019

Istituto Auxologico San Luca
Milano

FORUM IN BONE AND MINERAL RESEARCH

19TH MEETING

SCIENTIFIC PROGRAM

Day 1 Thursday, Feb 28

- 13:00 Delegates registration.
- 13:50 Welcome and introductory remarks.
S. Cenci, Milano - S. Gonnelli, Siena
- 14:00 **Keynote lecture**
Chair: *Chiodini, Milano*
How machine learning systems are changing medicine.
E. Grossi, Milano
- Session 1**
Facing disease complexity and clinical unmet needs
Chairs: *D. Merlotti, Siena - A. Palermo, Roma*
- 15:00 Biological bases of diabetes-related osteoporosis.
N. Napoli, Roma
- 15:20 Guidelines on diabetes-related osteoporosis: Italian inter-societies task-force.
L. Gennari, Siena
- 15:50 The complicated relationship of HIV infection and its treatment with skeletal health.
S. Mora, Milano
- Short talks from abstracts**
- 16:10 Post-menopausal osteoporotic women with primary hyperparathyroidism.
C. Verdelli, Milano
- 16:20 Effect of diabetes remission through pancreas transplantation alone on fracture risk in individuals with type 1 diabetes.
C. Conte, Milano
- 16:30 Cortisol sensitivity, secretion and peripheral activity are associated with diabetes, hypertension and fragility fractures in postmenopausal eucortisolemic women.
I. Chiodini, Milano
- 16:40 Sclerostin Resistance Protects Bone Mass and Improves Insulin Sensitivity in a Mouse Model of Type 1 Diabetes.
G. Leanza, Roma
- 16:50 Cardiovascular Autonomic Neuropathy as a cause of impaired physical functioning in subjects with chronic hypoparathyroidism.
G. Tabacco, Roma
- 17:00 **Break**

Session 2

Bone and systemic diseases

Chairs: *S. Colucci, Bari - F. Gianfrancesco, Napoli*

- 17:20 Bone health in lung transplant.
C. Eller-Vainicher, Milano
- 17:40 Impaired HSC function within an altered endosteal niche in β -thalassemia.
A. Aprile, Milano
- Short talks from abstracts**
- 18:00 Gut microbiota analysis and its skeletal effects in a sample of elderly subjects from a prospective population-based study.
S. Bianciardi, Siena
- 18:10 Exploring the functional role of ZNF687 in a severe form of Paget's disease of bone.
S. Russo, Napoli
- 18:20 Identification of novel predisposing mutations in familial Paget's disease of bone.
M. Materozzi, Siena
- 18:30 Role of CD73/adenosine pathway in bone metastases induced by non-small cell lung cancer stem cells.
I. Roato, Torino
- 18:40 Mutations in the Neuroblastoma Amplified Sequence (NBAS) gene in Acrofrontofacionasal Dysostosis type 1.
E. Palagano, Milano
- 18:50 Familial Hypocalciuric Hypercalcemia Type 2 Caused by a Novel Germline Mutation in GNA11 Encoding the G-protein Subunit- α 11.
V. Guarnieri, San Giovanni Rotondo
- 19:00 **Keynote lecture**
Chair: *S. Cenci, Milano*
Research Integrity: What is it? And why does it matter?
R. Buccione, Milano
- 20:00 Closing remarks.
- 20:30 **Social dinner**

Day 2 Friday, March 1

- 9:00 **Session 3**
Facing the complex biology of the musculoskeletal system
Chairs: *A. Villa, Milano - F. Grassi, Bologna*

- 9:00 Autophagic control of skeletal growth.
L. Cinque, Napoli
- 9:30 Role of HMGB1 in coordinating inflammation and tissue regeneration: focus on skeletal muscle.
E. Venera, Milano
- 10:00 Molecular insights into muscle wasting mechanisms in aging and cachexia.
A. Graziani, Milano/Torino
- 10:30 **Break**
- Short talks from abstracts**
- 11:00 Absence of Dipeptidyl Peptidase 3 leads to increased oxidative stress and bone pathology.
C. Menale, Milano
- 11:10 Branched-chain amino acids in the treatment of sarcopenia in aged malnourished patients.
I. Buondonno, Torino
- 11:20 Development of lentiviral vector gene therapy for the treatment of Autosomal Recessive Osteopetrosis.
S. Penna, Milano
- 11:30 Biogenic apatite thin films for bone regeneration.
G. Graziani, Bologna
- 11:40 Effects of Vitamin E-stabilized ultra-high molecular weight polyethylene on oxidative stress and osteoimmunological responses in human osteoblasts.
E. Galliera, Milano
- 11:50 Does the harvesting site influence the osteogenic potential of mesenchymal stem cells?
L. Mangiavini, Milano
- 12:00 **Keynote lecture**
Chairs: *N. Napoli, Roma - F. Bertoldo, Verona*
Bone marrow adiposity and osteoblast bioenergetics in skeletal aging.
C. J. Rosen, MMRCI, Scarborough, ME, USA
- 13:00 Closing remarks.