



SATURDAY 19 MAY

07:30-20:00 REGISTRATION OPEN

10:00-10:30
COFFEE

10:30-16:30
CLINICAL UPDATE

10:30-13:15
Clinical Update:
Management of osteoporosis
IS01-IS05

13:15-14:00
LUNCH

14:00-16:30
Clinical Update:
Chronic kidney disease and bone
IS06-IS09

14:00-16:30
Clinical Update:
Allied Health Professionals Session
IS10-IS11
OC01/AHP01-OC06/AHP06

16:30-17:00
BREAK

17:00-18:30
Satellite Symposium 1
supported by Lilly

18:30-19:00
BREAK

19:00-21:00
Opening Ceremony
ECTS/ASBMR Clinical Debate
Presentation of the Golden Femur Award
Awards 1

21:00
Welcome Reception and
New Investigator Gathering

SUNDAY 20 MAY

07:30-19:30 REGISTRATION OPEN

08:00-09:00
Symposium 1:
ATP and bone IS12-IS13

09:00-10:00
Plenary Orals 1:
Osteoblast differentiation OC07-OC12

10:00-11:00
COFFEE AND POSTERS

11:00-12:30
Workshop 1: New methodologies
in bone research IS14-IS16
Workshop 2: Biologics for the
treatment of rare bone disease IS17-IS19

12:30-13:45
LUNCH AND POSTERS

12:45-13:45
Meet the Professors
and New Investigator
Career Workshop 1

13:45-14:45
Symposium 2:
Mineralisation IS20-IS21

14:45-15:00
Awards 2

15:00-16:00
Oral Posters 1

Clinical OPC01-OPC10 | Basic OPB01-OPB10

16:00-16:30
COFFEE

16:30-18:00
ECTS Clinical Guidelines Update
IS22-IS23

18:00-18:15 **BREAK**

18:15-19:45
Satellite Symposium 2
supported by Amgen/GSK

MONDAY 21 MAY

07:30-19:30 REGISTRATION OPEN

08:00-09:00
Symposium 3:
New perspectives on RANKL IS24-IS25

09:00-10:00
Plenary Orals 2:
Wnt pathway OC13-OC18

10:00-11:00
COFFEE AND POSTERS

11:00-12:30
Workshop 3: NFKB in bone IS26-IS28
Workshop 4: Vitamin D and
non skeletal diseases IS29-IS31

12:30-13:45
LUNCH AND POSTERS

12:45-13:45
Meet the Professors
and New Investigator
Practical Workshop

13:45-14:45
Symposium 4: Proton pump inhibitors,
gastric acid and bone IS32-IS33

14:45-15:00
Awards 3

15:00-16:00
Orals 1: Osteoporosis: lifestyle OC19-OC24
Orals 2: Rare bone diseases OC25-OC30

16:00-16:30
COFFEE

16:30-18:00
ECTS Educational Symposium:
New developments in biochemical testing
*supported by a restricted grant from
IDS, TECOmedical and Biomedica*
IS34-IS36

18:00-18:15 **BREAK**

18:15-19:45
Satellite Symposium 3
supported by MSD

TUESDAY 22 MAY

07:30-19:30 REGISTRATION OPEN

08:00-09:00
Symposium 5:
(ECTS/ASBMR Joint Session)
Nitric oxide and bone IS37-IS38

09:00-10:00
Plenary Orals 3:
Osteoporosis OC31-OC36

10:00-11:15
COFFEE AND POSTERS

10:00-11:15
ECTS AGM

11:15-12:45
Workshop 5: Protein processing,
homeostasis and pathology IS39-IS41
Workshop 6: The frail patient IS42-IS44

12:45-14:00
LUNCH AND POSTERS

13:00-14:00
Meet the Professors
and New Investigator
Career Workshop 2

14:00-15:00
Symposium 6 (including the
ECTS Excellence in Research Lecture):
Bone senescence IS45-IS46

15:00-15:15
Awards 4

15:15-16:15
Oral Posters 2

Clinical OPC11-OPC20 | Basic OPB11-OPB20

16:15-16:45
COFFEE

16:45-17:45
Orals 3: Osteoblasts OC37-OC42
Orals 4: Clinical cases OC43-OC46

17:45-18:00 **BREAK**

18:00-19:30
ECTS New Investigator Seminar
NIOP01-NIOP08

20:15
Scientific Exchange and
President's Address
at the Vasa Museum

WEDNESDAY 23 MAY

08:00-12:30 REGISTRATION OPEN

08:30-09:30
Symposium 7: Impact of osteoporosis
treatments on mortality IS47-IS48

09:30-10:00
COFFEE

10:00-12:00
Orals 5: Osteoporosis:
risk factors and treatment OC47-OC57
Orals 6: Skeletal
development/cancer OC58-OC68

12:00-12:30
Late Breaking Abstracts

12:30-13:00
Closing Ceremony and Awards 5

Symposia

SYMPOSIUM 1: ATP AND BONE
IS12 Purinergic signalling and nucleotides in bone
Isabel Orriss (London, UK)

IS13 P2X7 receptors and bone
Niklas Jørgensen (Copenhagen, Denmark)

SYMPOSIUM 2: MINERALISATION
IS20 Biomimetic mineralization processes in vertebrates
Steve Weiner (Rehovot, Israel)

IS21 Molecular determinants of extracellular
matrix mineralisation
Marc McKee (Montreal, Canada)

SYMPOSIUM 3: NEW PERSPECTIVES ON RANKL
IS24 New actions of RANKL
Josef Penninger (Vienna, Austria)

IS25 Clinical effects of RANKL antagonists
Serge Ferrari (Geneva, Switzerland)

**SYMPOSIUM 4: PROTON PUMP INHIBITORS,
GASTRIC ACID AND BONE**
IS32 Gastric acidity benefits bone
Thorsten Schinke (Hamburg, Germany)

IS33 Long term PPI intake and fracture risk
Tjeerd van Staa (London, UK)

**SYMPOSIUM 5 (ECTS/ASBMR Joint Session):
NITRIC OXIDE AND BONE**
IS37 NO signaling in mechanical adaptation of bone
Jenneke Klein-Nulend (Amsterdam, Netherlands)

IS38 The effects of organic nitrates on osteoporosis
Sophie Jamal (Toronto, Canada)

SYMPOSIUM 6: BONE SENESCENCE
IS45 Mechanisms of age-related bone loss
(ECTS Excellence in Research Lecture)
Sundeep Khosla (Rochester, USA)

IS46 Aging and the senescent cell
Judith Campisi (Berkeley, USA)

**SYMPOSIUM 7: IMPACT OF OSTEOPOROSIS
TREATMENTS ON MORTALITY**
IS47 The effects of osteoporosis treatment on mortality
Andrew Grey (Auckland, New Zealand)

IS48 Long-term safety of osteoporosis treatments
Erik Eriksen (Oslo, Norway)

Workshops

WORKSHOP 1: NEW METHODOLOGIES IN BONE RESEARCH

IS14 Pluripotent stem cells in development
and disease
Agamemnon Grigoriadis (London, UK)

IS15 GFP reporters as tools for investigating bone
cell biology and regenerative medicine
David Rowe (Farmington, USA)

IS16 Zinc finger nuclease-mediated transgenic rat
model creation
Xiaoxia Cui (St Louis, USA)

WORKSHOP 2: BIOLOGICS FOR THE TREATMENT OF RARE BONE DISEASE

IS17 Hypophosphatasia - a clinical perspective
Paul Arundel (Sheffield, UK)

IS18 Consequences of changes in FGF23 activity
Beate Lanske (Boston, USA)

IS19 PTH replacement therapy of hypoparathyroidism
Lars Rejnmark (Aarhus, Denmark)

WORKSHOP 3: NFKB IN BONE

IS26 Ubiquitin and NF- κ B signalling in
paget's disease
Robert Layfield (Nottingham, UK)

IS27 NFKB signalling and bone resorption
Yousef Abu-Amer (St Louis, USA)

IS28 NFKB and bone formation
Cun-Yu Wang (Los Angeles, USA)

WORKSHOP 4: VITAMIN D AND NON SKELETAL DISEASES

IS29 Vitamin D and the immune system:
do we need more?
Chantal Mathieu (Leuven, Belgium)

IS30 Vitamin D and the cardiovascular system
Miles Witham (Dundee, Scotland)

IS31 Vitamin D supplementation during
pregnancy and pregnancy outcomes
Bruce Hollis (Charleston, USA)

WORKSHOP 5: PROTEIN PROCESSING, HOMEOSTASIS AND PATHOLOGY

IS39 Chondrocyte ER stress as a pathogenic factor
Ray Boot-Handford (Manchester, UK)

IS40 Proteostasis and bone
Simone Cenci (Milan, Italy)

IS41 Autophagy
Lynne Hocking (Aberdeen, Scotland)

WORKSHOP 6: THE FRAIL PATIENT

IS42 Frailty and the medical management
of osteoporosis
Terry Aspray (Newcastle, UK)

IS43 Falls and fractures in the elderly
Magnus Karlsson (Malmo, Sweden)

IS44 Medical treatment of frailty
Henry Bryant (Indianapolis, USA)

ECTS/ASBMR Clinical Debate

THIS HOUSE BELIEVES THAT BONE TURNOVER MARKERS ARE THE BEST TOOL FOR MANAGING OSTEOPOROSIS TREATMENT IN THE INDIVIDUAL

For the motion representing ECTS
Richard Eastell (Sheffield, UK)

Against the motion representing ASBMR
John Schousboe (Minneapolis, USA)