

SATURDAY 10 JUNE

CONCURRENT SESSIONS

Pre-meeting networking events (*pre-booking required*)

12:30-14:30

Allied Health Professionals Session

PANORAMA ROOM 10

12:30-14:30

New Investigators Session

PANORAMA ROOMS 11-13

14:15-14:50 COFFEE BREAK

14:50-16:20

Children's bones in health and disease (case study-based educational session)

Bone fragility

Outi Mäkitie (*Helsinki, Finland*)

Bone mineralisation

Keiichi Ozono (*Osaka, Japan*)

Bone dysplasia

Melita Irving (*London, UK*)

Abnormality of calcium and phosphate homeostasis

Agnès Linglart (*Paris, France*)

16:20-16:30 BREAK

16:30-17:30

Workshop: osteogenesis imperfecta

17:30-17:45

Welcome Address

18:00-19:30

Satellite Symposium: Novel insights into the broad clinical manifestations and management of XLH

19:30-20:00

Welcome Reception (CONGRESS CENTRE)

Followed by free time



SUNDAY 11 JUNE

08:00-08:45

Meet the Expert Sessions:

1. Prevention of rickets and osteomalacia - why, who, how?
Wolfgang Högler (*Birmingham, UK*)
PANORAMA ROOM 11
2. Physical activity to improve bone stability
Heike Hoyer-Kuhn (*Cologne, Germany*) /
Oliver Semler (*Cologne, Germany*)
PANORAMA ROOM 12
3. Molecular mechanisms of disorders with abnormal bone mass and fragility
Uwe Kornak (*Berlin, Germany*)
PANORAMA ROOM 13

9:00-10:00

Session 1: What is new – 2 years in review

Highlights in basic bone research
Roland Baron (*Boston, USA*)

Highlights in clinical bone research
Frank Rauch (*Montreal, Canada*)

10:00–10:30 COFFEE BREAK

10:30-11:00

Charles Slemenda Award Lecture

11:00-12:00

Oral Communications and Poster Pitching

12:00-13:00

Posters (odd numbers presented)

13:00-14:00 LUNCH

14:00-15:30

Session 2: Basic bone biology: osteoblasts, osteocytes, microstructure

Bone cells in health and disease
Antonella Forlino (*Pavia, Italy*)

Cortical bone structure and material properties
Björn Busse (*Hamburg, Germany*)

Skeletal mineralization – enzymes and animal models
José Millán (*La Jolla, USA*)

15:30-16:30

Oral Communications

16:30-17:00 COFFEE BREAK

17:00-18:00

Session 3: Muscle and bone

The mechanobiology of the growing skeleton
Bettina Willie (*Montreal, Canada*)

A role for leptin as a myokine mediating muscle-bone interactions
Mark Hamrick (*Atlanta, USA*)

18:15-19:45

Satellite Symposium: Hypophosphatasia in children: strengthening the foundations for managing a complex disease

MONDAY 12 JUNE

08:00-08:45

Meet the Expert Sessions:

1. The genetic basis of bone disorders – what every clinician needs to know
Outi Mäkitie (*Helsinki, Finland*)
PANORAMA ROOM 11
2. Bone pain: mechanisms and intervention
Jacqui Clinch (*Bath, UK*)
PANORAMA ROOM 12
3. DEXA – how, when and what?
Nicola Crabtree (*Birmingham, UK*)
PANORAMA ROOM 13

09:00-10:30

Session 4: Genetics and Epigenetics: The impact for rare bone diseases

Next generation sequencing and genome editing, game changers in the field of skeletal research

Uwe Kornak (*Berlin, Germany*)

Skeletal dysplasias

Melita Irving (*London, UK*)

Arterial calcification syndromes: causes and treatments

Frank Rutsch (*Münster, Germany*)

10:30–11:00 COFFEE BREAK

11:00 – 12:00

Oral Communications and Poster Pitching

12:00-13:00

Posters (even numbers presented)

13:00-14:00 LUNCH

14:00-15:00

Session 5: Rare bone diseases

Overview: why study rare bone diseases?

Hans van Leeuwen (*Rotterdam, Netherlands*)

The ERNS as a tool for European research on rare diseases

Kassim Javaid (*Oxford, UK*)

15:00-15:30

Oral Communications

15:30–16:00 COFFEE BREAK

16:00-17:30

Session 6: Chronic disease and bone

Osteoporosis in boys with Duchenne Muscular Dystrophy
Leanne Ward (*Ottawa, Canada*)

The impact of hematopoietic stem cell transplantation on paediatric bone

Sogol Mostoufi-Moab (*Philadelphia, USA*)

Bone in chronic kidney diseases: a systemic problem

Craig B Langman (*Chicago, USA*)

17:30-18:30

Workshop: Novel perspectives in two rare bone disorders

20:00-23:00

Conference Dinner

Bürgerspital Restaurant and Weinstuben

TUESDAY 13 JUNE

08:00-08:45

Meet the Expert Sessions:

1. Recurrent fractures in childhood – causes, investigations and management
Nick Bishop (*Sheffield, UK*)
PANORAMA ROOM 11
2. From bench to bedside: Looking at the use of HR CT and QCT in a diagnostic setting
Kate Ward (*Southampton, UK*)
PANORAMA ROOM 12
3. Managing hypercalcemia in neonates/infants
Agnès Linglart (*Paris, France*)
PANORAMA ROOM 13

09:00-10:00

Session 7: Nutrition and bone health

Body composition and physical activity

Bonny Specker (*South Dakota, USA*)

Factors influencing peak bone mass

Nick Harvey (*Southampton, UK*)

10:10-11:00

Oral Communications

11:00–11:30 COFFEE BREAK

CONCURRENT SESSIONS

11:30-12:30

Session 8: Signalling pathways and their significance for bone health and disease

Phosphate and FGF23 signalling
Justine Bacchetta (*Lyons, France*)

Signalling pathways and their significance for bone health and disease. PTH/cAMP/PKA

Anya Rothenbuhler (*Paris, France*)

Canonical Wnt signaling in bone health and disease

Wim Van Hul (*Antwerp, Belgium*)

11:30-12:30

Allied Health Professionals Session

PANORAMA ROOM 12

12:30-13:10 LUNCH

13:10-14:10

Session 9: Treating children's bones: present and future

BOOSTB4: Boost Brittle Bones Before Birth

A clinical trial on pre- and/or postnatal stem cell transplantation for treatment of osteogenesis imperfecta

Cecilia Götherström (*Huddinge, Sweden*)

Role of microRNAs in the development of osteosarcoma

Eric Hesse (*Hamburg, Germany*)

14:15-15:05

Hot topics

15:10-15:25

Presentation of Awards

15:25-15:30

Close and final remarks