

ICCBH Bone School Programme

Monday 29 May 2023

08:30-08:50

REGISTRATION AND COFFEE

08:50-09:00

Welcome and introduction

09:00-09:30

Basic bone metabolic mechanisms 1
Antonella Forlino (Pavia, Italy)

09:30-10:00

Bone mineralisation and structure
Nadja Fratzl-Zelman (Vienna, Austria)

10:00-10:30

Case presentations

COFFEE BREAK

11:00-11:30

Managing the child with recurrent fractures (to include MDT management)
Ciara McDonnell (Dublin, Ireland)

11:30-12:00

Osteogenesis imperfecta (classical types)
Moira Cheung (London, UK)

12:00-12:30

Case presentations

LUNCH

13:30-14:30

Breakout sessions

14:30-15:00

Fibrous dysplasia
Alison Boyce (Bethesda, USA)

COFFEE BREAK

15:30-16:00

Muscle-bone interaction, mobility & function
Frank Rauch (Montreal, Canada)

16:00-16:30

Duchenne muscular dystrophy
Leanne Ward (Ottawa, Canada)

16:30-17:00

Case presentations

COFFEE BREAK

17:15-17:45

X-linked hypophosphatemia
Dieter Haffner (Hannover, Germany)

17:45-18:15

Nutritional rickets
Wolfgang Högler (Linz, Austria)

18:15-18:45

Case presentations

19:30

DINNER

Tuesday 30 May 2023

08:30-09:00

Basic bone metabolic mechanisms 2
Antonella Forlino (Pavia, Italy)

09:00-09:30

Bone sample analysis and ultrastructure
Nadja Fratzl-Zelman (Vienna, Austria)

09:30-10:00

Interpretation of bone imaging
Wolfgang Högler (Linz, Austria)

10:00-10:30

Case presentations

COFFEE BREAK

11:00-11:30

Anti-resorptive therapy
Leanne Ward (Ottawa, Canada)

11:30-12:00

Anabolic therapy
Alison Boyce (Bethesda, USA)

12:00-12:30

Case presentations

LUNCH

13:30-14:30

Breakout sessions

14:30-15:00

Focal bone disorders (ABC, GCTB, AVN)
Ciara McDonnell (Dublin, Ireland)

15:00-15:30

Hypophosphatasia
Wolfgang Högler (Linz, Austria)

15:30-16:00

Case presentations

COFFEE BREAK

16:30-17:00

Approach to skeletal dysplasia
Moira Cheung (London, UK)

17:00-17:30

Understanding genetic results
Frank Rauch (Montreal, Canada)

17:30-18:00

Case presentations

19:00

TRANSFERS DEPART FOR DINNER

Wednesday 31 May 2023

08:30-09:00

Non-XLH hypophosphataemia
Dieter Haffner (Hannover, Germany)

09:00-09:30

Tumour-induced osteomalacia
Alison Boyce (Bethesda, USA)

09:30-10:00

Achondroplasia
Moira Cheung (London, UK)

10:00-10:30

Case presentations

COFFEE BREAK

11:00-11:30

Osteopetrosis
Leanne Ward (Ottawa, Canada)

11:30-12:00

Rare monogenetic forms of bone fragility
Frank Rauch (Montreal, Canada)

12:00-12:30

Case presentations

12:30-12:45

Closing Remarks

LUNCH AND CLOSE

Course Organiser

Wolfgang Högler

Professor of Paediatrics, Johannes Kepler University Linz, Linz, Austria

Faculty

Alison Boyce

Paediatric Endocrinologist, National Institutes of Health, Bethesda, Maryland, USA

Moira Cheung

Paediatric Endocrinologist, Guys and St Thomas NHS Foundation Trust, Evelina London Hospital and St Thomas' Hospital, London, UK

Antonella Forlino

Associate Professor of Biochemistry, University of Pavia, Italy

Nadja Fratzl-Zelman

Senior Research Associate, Ludwig Boltzmann Institute of Osteology, Vienna, Austria

Dieter Haffner

Professor and Chairman, Department of Pediatric Kidney, Liver and Metabolic Diseases Children's Hospital, Hannover Medical School, Hannover, Germany

Ciara McDonnell (Clinical Cases Coordinator)

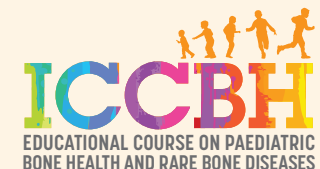
Paediatric Endocrinologist, Children's University Hospital, Dublin, Ireland

Frank Rauch

Professor of Pediatrics, McGill University and Paediatrician, Shriners Hospital for Children, Montreal, Canada

Leanne Ward

Professor of Pediatrics and Research Chair, University of Ottawa, Scientific Director, The Ottawa Pediatric Bone Health Research Group, Medical Director, The CHEO Pediatric Bone Health Clinic, Ottawa, Ontario, Canada



ICCBH Bone School

29 – 31 May 2023, Annecy, France

ICCBH Bone School, 29 – 31 May 2023, Annecy, France

Core target audience

Clinical paediatric adult and endocrine trainees and fellows with an interest in bone disease

Clinical and translational researchers

The Bone school aims to supplement a working knowledge of bone metabolism and skeletal disorders. Therefore the course is best suited to the following groups:

- Senior (Year3+) Trainees in paediatric or adult endocrinology or relative specialities (genetics/ metabolic/orthopaedics)
- Clinical fellows with an interest in bone disease
- Postdoctoral clinical and translational researchers in fields related to bone metabolism or skeletal disorders

Key learning aims and objectives

On completion of this educational course participants will:

- Understand the pathophysiological mechanisms underlying bone fragility and mineralization disorders
- Understand how rare bone and muscle disorders affect the skeleton and growth
- Understand bone ultrastructure and bone imaging and how chronic diseases affect bone muscle and bone
- Be able to differentiate between mineralization and fragility disorders
- Understand the diagnostic and therapeutic options for the management of paediatric bone disorders

Name, main role and employing organisation of our faculty members

Dr Alison Boyce

Associate Research Physician in the National Institute of Dental and Craniofacial Research, National Institutes of Health in Bethesda MD (*Bethesda, USA*)

Dr Moira Cheung

Consultant in Paediatric Endocrinology and Rare Bone Conditions, Great Ormond Street Hospital (*London, UK*)

Dr Antonella Forlino

Associate Professor of Biochemistry at the Department of Molecular Medicine, Unit of Biochemistry, University of Pavia (*Pavia, Italy*)

Dr Nadja Fratzl-Zelman

Senior Researcher, Ludwig Boltzmann Institute for Osteology (*Vienna, Austria*)

Professor Dieter Haffner

Professor of Paediatrics and Head of the Department of Pediatric Kidney, Liver and Metabolic Diseases at Hannover Medical School (*Hannover, Germany*)

Professor Wolfgang Högl

Professor of Paediatrics, Johannes Kepler University (JKU) (*Linz, Austria*)

Dr Ciara McDonnell

Consultant in Paediatric Endocrinology and Diabetes with Children's Health Ireland (CHI) (*Dublin, Ireland*)

Professor Frank Rauch, MD

Professor of Paediatrics and Clinician-Scientist, Shriners Hospital for Children and at McGill University (*Montreal, Canada*)

Dr Leanne Ward

Professor of Pediatrics, University of Ottawa (*Ottawa, Canada*)