

14th International Conference on Osteogenesis Imperfecta
30 August – 2 September 2022, Sheffield, UK
Outline programme

Tuesday 30 August	
	<i>High Tor (The Edge)</i>
09:00	<i>Registration and coffee</i>
10:00-12:30	Pre-meeting allied health professionals' workshop: Early life interventions and assessments Co-organised with ERN BOND
10:15	Under 5s developmental assessment and playful intervention Rebecca Jones (Sheffield, UK) Carrie Marr (Sheffield, UK) Lisa Mills (Bristol, UK)
10:55	The Rehabilitation Consensus Oliver Semler (Cologne, Germany)
11:35	<i>Coffee</i>
11:50	Functional assessment and outcomes in OI Discussion Facilitators: Claire Hill (Sheffield, UK)/ Luca Sangiorgi (Bologna, Italy)
12:30	<i>Lunch The Edge</i>
13:20	<i>High Tor (The Edge)</i> Welcome to the 14th International Conference on Osteogenesis Imperfecta Nick Bishop (Sheffield, UK)
13:25	Opening keynote lecture What can the osteogenesis imperfecta community learn from other diseases: Duchenne exon skipping and gene therapy approaches Annemieke Aartsma-Rus (Leiden, Netherlands)
13:50-17:00	The "real world" of osteogenesis imperfecta
13:50	ERN BOND: Diagnostic pathways Valérie Cormier-Daire (Paris, France)

14:15	Registries for osteogenesis imperfecta: where we are and where we are heading Kassim Javaid (Oxford, UK)
14:40	Whose Life Is It Anyway? The challenge of including the patient voice in studies of osteogenesis imperfecta Laura Tosi (Washington DC, USA)
15:05	<i>Coffee break</i>
15:30	Patient organisations as partners Tracy Hart (OI Foundation CEO) Patricia Osborne (Brittle Bone Society CEO) Ingunn Westerheim (OIFE President)
16:00	Key4OI project update Richard Kruse (Wilmington, USA)
16:10	Oral communications
17:00	Plenary Lecture Bone research in Sheffield – the last 100 years Richard Eastell (Sheffield, UK)
17:30	<i>Close</i>
19:00- 22:00	<i>Welcome reception and dinner</i> INOX

Wednesday 31 August		
	<i>High Tor 1&2</i> Molecular pathophysiology of osteogenesis imperfecta	<i>High Tor 3</i> Wellbeing in osteogenesis imperfecta
	08:45 Circadian clock regulation of collagen homeostasis Joan Chang (Manchester, UK)	08:45 Mental health Kara Ayers (Cincinnati, USA) & Rebecca Jones (Sheffield, UK)
	09:15 Bone, brain and beyond Meena Balasubramanian (Sheffield, UK)	09:15 Transition: childhood to adult services Davina Ford (Sheffield, UK) & Jennie Walsh (Sheffield, UK)
	09:45 Oral communications	09:45 Sleep Ruth Kingshott (Sheffield, UK)
		10:15 Oral communications
10:45	<i>Coffee</i>	
	11:15 Oral communications	11.15 – 13.05 Orthopaedic workshop: Upper and lower limb rodding/ How to measure, record and share outcomes of surgery across centres 11:15 What is success in OI surgery ? 11:25 Outcome measures in OI surgery- disease-specific, generic or both? 11:35 Fractures and non-telescoping of rods- are all complications? 11:45 Round table consensus – standardising outcomes across the global community Tae-Joon Cho (Seoul, South Korea) Paul Esposito (Nebraska, USA) James Fernandes (Sheffield, UK) Cathleen Raggio (New York, USA) Nick Nicolaou (Sheffield, UK)
	12:05 Posters	

13:05	<i>Lunch</i>	
	14:00-15:00 Cellular/tissue pathophysiology	14.00-15.00 The effects of choices on rehabilitation post-surgery
	14:00 Collagen processing and endoplasmic reticulum stress Sergey Leikin (Bethesda, USA)	14:00 When is casting the correct choice post-op? 14:10 Lower limb weight bearing after surgery
	14:30 Osteocyte and pulmonary changes in mouse models of OI: a transcriptomic approach Roy Morello (Little Rock, USA)	14:20 Is joint stiffness a problem post-surgery? 14:30 Clinical case discussions – how I would approach post-operative recovery Tae-Joon Cho (Seoul, South Korea) Paul Esposito (Nebraska, USA) James Fernandes (Sheffield, UK) Claire Hill (Sheffield, UK) Kathleen Montpetit (Montreal, Canada) Nick Nicolaou (Sheffield, UK) Cathleen Raggio (New York, USA) Peter Smith (Chicago, USA)
15:00	<i>Coffee</i>	
15:30-17:30	<i>High Tor</i> Looking at non-bone tissues (basic and clinical perspectives)	
15:30	Muscle in osteogenesis imperfecta: all that's brittle is not bone Alex Ireland (Manchester, UK)	
16:00	Lung (New York, USA) Cathleen Raggio (New York, USA)	
16:30	Central nervous system Catherine DeVile (London, UK)	
17:00	Oral communications	
17:30	<i>Coffee</i>	
17:40	Sponsored session	
18:45	<i>Close</i>	
	<i>Free evening</i>	

Thursday 1 September		
	<p><i>High Tor</i></p> <p>Preclinical model systems</p>	<p><i>Halifax Hall</i></p> <p>08:45-12:00</p>
	<p>08:45 Mouse models Joan Marini (Bethesda, USA)</p>	<p>Orthopaedic technical workshops</p> <p><i>For health professionals involved in the management of surgical interventions and rehabilitation</i></p>
	<p>09:15 What can zebrafish tell us about osteogenesis imperfecta? Paul Coucke (Ghent, Belgium)</p>	<p>08:45 Introduction 08:50 Fassier-Duval Rodding of the lower limb- technical pearls 09:00 Non-telescopic options for the skeletally mature patient 09:10 The TST rodding system- technical pearls 09:20 Clinical case discussions- surgical treatment of lower limb deformity</p>
	<p>09:45 Disease in a dish: modelling skeletal dysplasias using human induced pluripotent stem cells Shireen Lamande (Melbourne, Australia)</p>	<p>10:00 Practical workshop- Pega medical lower limb Fassier-Duval rodding</p>
10:15	Oral Communications	
10:45	<i>Coffee</i>	10:45 <i>Coffee</i>
11:15	<p>Debate on the utility of different systems to inform translation into clinical studies Antonella Forlino (Pavia, Italy) Frank Rauch (Montreal, Canada)</p>	<p>11:15 Practical workshop- TST rodding system for the lower limb</p>
12:00	Posters	
13:00	<i>Lunch</i>	
14:00-17:00	Bench to bedside – making it work for patients	
14:00	<p>Early phase studies Brendan Lee (Houston, USA)</p>	
14:30	<p>Clinical management of rare bone diseases: lessons and synergies across diseases Outi Mäkitie (Helsinki, Finland)</p>	
15:00	<p>Integrated care: the holistic approach Paul Arundel (Sheffield, UK)</p>	
15:30	<i>Coffee</i>	
16:00	Oral communications	

17:00	Plenary Lecture Surgical solutions when bone material is abnormal Peter Smith (Chicago, USA)
17:30	<i>Close</i>
19:00- 22:00	<i>Conference Dinner</i> <i>Sheffield Cathedral</i>

Friday 2 September	
08:45	<i>High Tor (all sessions)</i> Advancing clinical practice, 2020 and beyond
08:45	Surgical management of skeletal dysplasia – lessons for osteogenesis imperfecta Tae-Joon Cho (Seoul, South Korea)
09:15	The challenges of intramedullary rodding Paul Esposito (Nebraska, USA)
09:45	Oral Communications
11:00	<i>Coffee</i>
11:30	Round table discussion Current trials in osteogenesis imperfecta Brendan Lee (Houston, USA) Ken Poole (Cambridge, UK) Stuart Ralston (Edinburgh, UK)
12:30	Plenary departure address Current and future treatment perspectives for osteogenesis imperfecta Nick Bishop (Sheffield, UK)
12:55	Conference close Nick Bishop (Sheffield, UK) Joan Marini (Bethesda, USA)
13:00	<i>Lunch and depart</i>