



## SCIENTIFIC PROGRAMME

SATURDAY 26 JUNE	SUNDAY 27 JUNE	MONDAY 28 JUNE	TUESDAY 29 JUNE	WEDNESDAY 30 JUNE	WORKSHOPS
09:00-20:30 REGISTRATION OPEN	08:00-19:30 REGISTRATION OPEN	08:00-19:30 REGISTRATION OPEN	08:00-19:30 REGISTRATION OPEN	08:00-12:30 REGISTRATION OPEN	
09:30-17:30 ECTS Training Course: Clinical Trials	08:00-09:00 Symposium 1: Bone and fat	08:00-09:00 Symposium 3: Bone and blood vessels	08:00-09:00 Symposium 5: Osteocytes and mineral metabolism	08:30-09:30 Symposium 7: Bone and gut (including the ECTS Excellence in Research Lecture)	<b>WORKSHOP 1: Advances in imaging of the spine</b> 1 Lynne Ferrar (Sheffield, UK): Using DXA for vertebral fracture analysis 2 Claus Güter (Kiel, Germany): Using QCT for high resolution evaluation of vertebrae 3 Christian Roux (Paris, France): Using VFA for 3D reconstruction of the vertebrae: the 3DXA method
10:00-16:15 Allied Health Professionals Session	09:00-10:00 Orals 1: Bone, muscle and fat	09:00-10:00 Orals 3: Bone disease	09:00-10:00 Orals 5: Osteocytes and mineral metabolism	09:30-10:00 <b>COFFEE</b>	<b>Workshop 2: Wnt signaling in health and disease</b> 1 Marc de la Roche (Cambridge, UK): Nuclear WNT signaling components and their potential as cancer drug targets 2 Cara Gottardi (Chicago, USA): Adhesion signaling via catenins 3 Michaela Kneissel (Basel, Switzerland): Wnt signaling and anabolic bone strategies
	10:00-11:00 <b>COFFEE AND ATTENDED POSTERS (ODD NUMBERS)</b>	10:00-11:00 <b>COFFEE AND ATTENDED POSTERS (EVEN NUMBERS)</b>	10:00-11:15 <b>COFFEE</b>	10:00-12:00 Hot Topics and Late Breaking Abstracts	<b>Workshop 3: Circadian rhythms: impact on bone cells and markers</b> 1 Paul Frenette (New York, USA): Circadian regulation of a stem cell niche 2 Shu Takeda (Tokyo, Japan): Regulation of bone remodelling by circadian genes 3 William Fraser (Liverpool, UK): Circadian rhythms and bone remodelling/markers
	11:00-12:30 Workshop 1: Advances in imaging of the spine Workshop 2: Wnt signaling in health and disease	11:00-12:30 Workshop 3: Circadian rhythms: impact on bone cells and markers Workshop 4: New approaches in osteoarthritis	11:15-12:45 Workshop 5: Cortical bone in health and disease Workshop 6: New approaches to PTH anabolic treatment: calcilytics	12:00-12:30 Closing Ceremony and presentation of ECTS New Investigator and Allied Health Awards	<b>Workshop 4: New approaches in osteoarthritis</b> 1 Frank Luyten (Leuven, Belgium): Regenerative treatments in osteoarthritis 2 Tim Spector (London, UK): The genetics of osteoarthritis and clues to bone and cartilage biology 3 Sharmila Majumdar (San Francisco, USA): New approaches to imaging of articular cartilage
	12:30-13:45 <b>LUNCH AND POSTERS</b>	12:30-13:45 <b>LUNCH AND POSTERS</b>	12:45-14:00 <b>LUNCH AND POSTERS</b>		<b>Workshop 5: Cortical bone in health and disease</b> 1 Roger Zebaze (Melbourne, Australia): Cortical bone mass and turnover 2 Heather McKay (Vancouver, Canada): Winning the battle against childhood physical inactivity 3 Stephen Kaptoge (Cambridge, UK): Limb fractures: epidemiology and predictive value of BMD and cortical bone measurements
	12:45-13:45 Meet the Professor 1	12:45-13:45 Meet the Professor 2	13:00-14:00 Meet the Professor 3		<b>Workshop 6: New approaches to PTH anabolic treatment: calcilytics</b> 1 Rajesh Thakker (Oxford, UK): The calcium sensing receptor 2 Edward Nemeth (Toronto, Canada): Preclinical studies of calcilytic compounds 3 Markus John (Basel, Switzerland): Translational and clinical studies on calcilytics
	13:45-14:45 Symposium 2: Bone and bone marrow	13:45-14:45 Symposium 4: Bone and muscle (ECTS/ASBMR Joint Session)	14:00-15:00 Symposium 6: Micro RNAs in bone biology		
	14:45-15:00 Awards 1	14:45-15:00 Awards 2	15:00-15:15 Awards 3		
	15:00-16:00 Orals 2: Osteoporosis	15:00-16:00 Orals 4: Basic bone biology 1	15:15-16:15 Bone Research Society (BRS) Oral Session		
	16:00-16:30 <b>COFFEE</b>	16:00-16:30 <b>COFFEE</b>	16:15-16:45 <b>COFFEE</b>		
	16:30-17:30 Oral Posters 1 Basic   Clinical	16:30-17:30 Oral Posters 2 Basic   Clinical	16:45-17:45 Orals 6: Basic bone biology 2		
	17:30-18:00 <b>BREAK</b>	17:30-18:00 <b>BREAK</b>	17:45-18:15 <b>BREAK</b>		
	18:00-19:30 Satellite Symposium supported by Amgen / GlaxoSmithKline	18:00-19:30 Satellite Symposium supported by MSD	18:15-19:45 Bone Research Society Clinical Session		
17:00-18:30 Satellite Symposium supported by Eli Lilly			18:45-19:45 BRS Young Investigator Session		
18:30-19:00 <b>BREAK</b>					
19:00-20:40 Opening Ceremony ECTS-ASBMR Debate: This house believes there is no need to develop further drugs for the treatment of osteoporosis					
20:45-22:00 Welcome Reception and ECTS Postdoc Social at the Glasgow Science Centre					
	<b>DEBATE</b> ECTS-ASBMR debate: This house believes there is no need to develop further drugs for the treatment of osteoporosis 1 Cyrus Cooper (Southampton/Oxford, UK): For the motion 2 Michael McClung (Portland, USA): Against the motion	19:45-20:45 Working Group Meeting ISPAOFF	20:00-late Conference Party at the Hilton Glasgow Hotel		
		20:00-22:00 ECTS Football Tournament			
					<b>SYMPOSIA</b> <b>Symposium 1: Bone and fat</b> 1 Moustapha Kassem (Odense, Denmark): Osteoblasts and adipocytes: human skeletal (mesenchymal) stem cells lineage fate regulation 2 Clifford Rosen (Portland, USA): Lessons from genetic models <b>Symposium 2: Bone and bone marrow</b> 1 Gregor Adams (Los Angeles, USA): Hematopoietic stem cells and bone 2 Stephen Emerson (Haverford, USA): Osteoblasts in hematopoiesis and lymphopoiesis <b>Symposium 3: Bone and blood vessels</b> 1 Bjorn Olsen (Boston, USA): VEGF in bone development and homeostasis 2 Ewa Paleolog (London, UK): Role of angiogenesis in bone and joint diseases <b>Symposium 4: Bone and muscle (ECTS/ASBMR Joint Session)</b> 1 Shalender Bhasin (Boston, USA): Testosterone for sarcopenia 2 Leonard Freedman (Philadelphia, USA): Frailty: molecular and therapeutic approaches <b>Symposium 5: Osteocytes and mineral metabolism</b> 1 Paola Divieti Pajevic (Boston, USA): Osteocytes and calcium homeostasis 2 Darryl Quarles (Memphis, USA): FGF23: paradigm shift in understanding and treating disordered mineral metabolism in CKD <b>Symposium 6: Micro RNAs in bone biology</b> 1 Eran Hornstein (Rehovot, Israel): A miRNA mechanism for repression of osteoclast differentiation 2 Jane Lian (Worcester, USA): Significance of microRNA control of bone formation and homeostasis <b>Symposium 7: Bone and gut</b> 1 Gerard Karsenty (New York, USA): Regulation of bone formation by gut-derived serotonin (ECTS Excellence in Research Lecture) 2 Dennis Henriksen (Copenhagen, Denmark): Gut, glucagon like peptide-2 and bone