

**5th Joint Conference of the
Bone Research Society (BRS) and British Orthopaedic Research Society (BORS)
School of Biosciences, Cardiff University
4-6 September 2019**

Draft Programme (12/04/2019)

Wednesday 4 September 2019			
1200	Registration desk opens		
1300 - 1500	Mid-Career Development Workshop		
1500 – 1530	Refreshment break		
1530 - 1650	Muscle, Tendon and Bone Workshop		
1530 - 1555	Neil Reeves - Tendon Structure, Function and Adaptation in Humans		
1555 – 1620	Jennifer Paxton - Engineering Muscle-Bone Interfaces		
1620 - 1645	Abstract presentations and general discussion		
1700 - 1830	<p>New Investigator Evening – Round table 'Meet the Expert' Discussions:</p> <p>Small project grants Working in industry Clinical academic career Meet the editor / Getting published Bridging the gap Moving abroad for research Improving your online profile Translation pathways (quality management, identifying project partners) Basic science academic career</p>	1730 – 1820 Public Lecture	<p>Linda Geddes – More than skin deep: how sunlight shapes our bodies and minds</p> <p>Chairs: Elaine Dennison/BORS representative</p> <p>Main Building Large Chemistry Lecture Theatre</p> <p>In conjunction with the BRS Neil MacKenzie Public Engagement award</p>
1900 – 2200	Rare Bone Diseases Workshop and Supper (Temple of Peace)	1900 – 2100	Biomechanics and Bioengineering Research Centre Versus Arthritis Workshop
1900-1910	Registration and networking		'Interdisciplinary research in Osteoarthritis'
1910- 1915	Introduction and setting the scene for rare bone diseases research in the UK (KJ)		
1915 -2000	Brendan Lee: Rare disease		

2000- 2020	mechanistic insights to therapy. (30+15) Oral abstract x3 5m + end 5m discussion	1900 – 1920	Chair: Ilse Jonkers and (Ben Egan
2020 – 2030	Short break	1925 – 1945	Paul Biggs – An engineer’s perspective
2030- 2100	Fergal Monsell: Unanswered orthopaedic issues when treating broken brittle bones (20+10)	1945 - 2010	Sophie Gilbert – A biologist’s perspective
2100- 2130	Meena Balasubramanian: Rare OI phenotypes: why detailed phenotyping matters (20+10)		Alison Kinghorn – An orthopaedic registrar’s perspective
2130- 2200	Mark Wilkinson: The genetic epidemiology of acquired heterotopic ossification: Prospects for novel treatment strategies? (20+10)	2010 - 2100	<i>Light buffet supper and networking</i>
2200 Close		2100 Close	

Thursday 5 September 2019		
0830	Registration and coffee	
0900 - 0920	Welcome and opening remarks	
0920 – 1020	Symposium 1: – Osteoarthritis	
1020 – 1050	IS1 - Fiona Watt - Comorbidities and Osteoarthritis	
1050 – 1120	IS2 – Andrew McCaskie - Novel strategies in regenerative medicine for musculoskeletal disease	
1020 – 1100	Oral communications X 4 (selected from abstract submissions) – OA theme	
1020 – 1030		
1030 – 1140		
1040 - 1050		
1050 - 1100		
1100-1200	Coffee and poster viewing (odd numbered posters)	
1200-1230	IS3 - Plenary lecture - Brendan Lee – New therapeutic approaches to OA	
1230-1250	Poster Pitching X 11 (selected from abstract submissions)	
1250 - 1350	Lunch	
	BRS Annual General Meeting	BORS Annual General Meeting
1350 - 1445	Sponsored Symposium - UCB	
1445 - 1545	OATech+ Symposium	
1445 – 1455	IS4 – Cathy Holt – OATech+ EPSRC Network plus funding update	
	IS5 – Ilse Jonkers - Combining musculoskeletal models and models of biological	

1455 – 1525	behaviour to understand musculoskeletal pathology	
1525 - 1545	IS6 – David Williams – OATech+ imaging theme activities and new Dynamic Bi-Plane X facilities	
1545– 1605	Coffee and poster viewing	
1605 – 1705	Symposium 2: - Epigenetics	Symposium 3: - Epidemiology and Health Services Research (Sponsored by National Joint Registry for England and Wales)
1605 – 1635	IS7 – Louise Reynard What has DNA methylation analysis told us about OA?	IS9 - Ola Rolfson Patient reported outcome measures in musculoskeletal disease - How can they inform decision-making?
1635 - 1705	IS8 – Matthias Hackl microRNA biomarkers: new diagnostic and prognostic tools for bone diseases	IS10 - Kate Ward A global perspective on adolescent growth and healthy musculoskeletal ageing
1705 - 1715	Break	
1715 - 1745	Sponsored Symposium	
1745 – 1830	Debate IS13, IS14 This house believes that if it doesn't hurt it isn't a disease: For the motion; Chris Little , Against the motion; Alison Gartland	
1915 - 2300	Conference Dinner – National Museum Cardiff	
Friday 6 September 2019		
0830 – 0930	Symposium 4: Cancer and Bone	
0830 – 0900	IS15 – Penny Ottewell - Endogenous production of IL-1B by breast cancer cells drives metastasis and colonisation of the bone microenvironment	
0900 - 0930	IS16 – Mike Parry, Birmingham – Bones, Groans and Lumps: Improving Outcomes in Orthopaedic Oncology	
0930 – 1000	Poster pitching X 15 selected from abstract submissions	
1000 – 1100	Coffee and poster viewing (even numbered posters)	
1100 – 1200	Clinical X 6 orals selected from abstracts (inc 1 late breaking)	Basic/Translational X 6 orals selected from abstracts (inc 1 late breaking)
1100 - 1110		
1110 – 1120		
1120 – 1130		
1130 – 1140		
1140 – 1150		
1150 – 1200		

1200 – 1230	BRS Dent Lecture – Tim Arnett	BORS Presidential Lecture – Andrew Amis
1230 - 1330	Lunch and poster viewing	
1330 – 1430	Symposium 5: Imaging (co-sponsored by ImagingBioPro Network and Scanco) IS17 – Ralph Muller - Synchrotron imaging for bone research IS18 – Richie Abel - Making Rainbows: Clinical Applications for Synchrotron Imaging	Symposium 6: Clinical cases 1. 2. 3. 4.
1330 – 1400		
1400 – 1430		
1430 - 1440	10 minute break	
1440 – 1510	IS19 - Plenary Lecture – Bente Langdahl - Mechanistic insights from Combination therapies- opportunities for osteoporosis and fracture healing	
1510 – 1610 1510 – 1520 1520 – 1530 1530 – 1540 1540 – 1550 1550 - 1600 1600 - 1610	Oral communications X 6 selected from abstract submissions	
1610 - 1625	Awards and closing remarks	