



Centre for Human Development, Stem Cells and Regeneration

CHDSCR Science Day

Wednesday 22nd May 2024 11:00 – 16:00
Lecture Theatre C, Avenue Campus, Highfield

Dr. Shukry J.Habib, Associate Professor and Group Leader at Université de Lausanne.



Half of all people will break a bone during their lifetime. Fracture repair can take years in some cases, limiting mobility and placing a significant burden on patients and health care systems alike. Therefore, developing strategies to improve bone health and repair, particularly for elderly individuals, is critical. The Habib lab has recently engineered the bone stem cell niche to study human bone formation and pioneered novel bandages that can promote bone repair. In this presentation, Prof Shukry James Habib will discuss the advancement of these technologies and their application in aging research.

Program

11:00 - 11:10	Jonathan Dawson	Welcome and introduction
First Session - PI & Facility talks (Chair: Dr. Melissa Andrews)		
11:10 - 11:30	Dr Liku Tezera	TBC
	FoM	
11:35 - 11:55	Dr. Jonathan West	Microfluidics for Precision Biology: Endless Possibilities
	FoM and Centre for Hybrid Devices	
12:00 - 12:10	Regan Doherty	Biomedical Imaging Unit at Southampton
12:00 - 13:05	Lunch and coffee	

Second Session - ECR talks (Co-Chairs: Dr. Cosma Mirella Spalluto and Dr. Owen Rackham)

13:05 - 14:35	Jack Harrington	Investigating developmental disorders with KDM5B loss-of-function utilising CRISPR/Cas9 knockout iPSC models
	PI: Walters Z, Williame-Morawek S	
	Catherine Robertson	TBC
	PI: Lakowski J	
	Michelle Li	Ultrasound-responsive agents for non-invasive fracture healing
	PI: Evans N	
	Swati Midha	How force regulates the phenotypic journeys that define skeletal growth
	PI: Wann A	
	Yi Sui	Zika virus as an oncolytic therapy against neuroblastoma
	PI: Ewing R	
	Mathew Davis-Lunn	Targeting myosin-X to enhance integrin mediated axon regeneration
	PI: Andrews M	
	Stephanie Turner	Stargardt disease in a dish
	PI: Ratnayaka A	

14:35 - 15:00 Coffee break and refreshments

Plenary Session (Chair: Dr Salah Elias)

15:00 - 16:00	Shukry J. Habib	Plenary lecture: "Rejuvenating and Repairing Old Bones"
16:00	Closing remarks	Awarding of prize for Best ECR talk
16:15-onward	Pub – Brewhouse & Kitchen	47 Highfield Lane, Southampton, SO17 1QD