

Wednesday, 8th February 2023 - Microsymposium UDM2
Meeting room MD1-21

09:00 – 09:15	Welcome and Introduction Present and future state of BM18	Paul Tafforeau <i>ESRF, France</i>
Session I		
09:15 – 09:45	Keynote talk 1 Creating Gold Standard, Ground-truth Dataset for the Human Organ Atlas from BM18	Claire Walsh <i>University College London, UK</i>
09:45 – 10:00	The fatal trajectory of pulmonary COVID-19 is driven by lobular ischemia and fibrotic remodeling ZOOM SESSION	Max Ackermann <i>Helios University Clinics Wuppertal, University Mainz, Germany</i>
10:00 – 10:15	Contribution of hierarchical phase-contrast tomography to the multi-scale anatomical study of human organs: example of the heart and spleen	Alexandre Bellier <i>CHU Grenoble Alpes, France</i>
10:15 – 10:30	Cinematic Visualization: From Organs to Cells and Physiology	Klaus Engel <i>Siemens Healthineers, Erlangen, Germany</i>
10:30 – 11:00	<i>Break</i>	
Session II		
11:00 – 11:30	Keynote talk 2 : High-energy phase contrast micro computed tomography on BM18: A progress report	Simon Zabler <i>Fraunhofer Institute IIS, Germany</i>
11:30 – 11:45	Addressing industrial challenges in tomography using BM18 beamline	Sofiane Terzi <i>Novitom Grenoble, France</i>
11:45 – 12:00	Opportunities for Multi-Scale Imaging in Advanced Batteries	Paul Shearing <i>University College London, UK</i>

12:00 – 12:15	Performance and Transmitter-Receiver Trade-offs in Giant Frog Acoustic Communication	Morgane Sowinski <i>Muséum National d'Histoire Naturelle, Paris, France</i>
12:15 – 12:30	Using BM18 for multi-scale tomography of large fossils: the pelvic region of the near-tetrapod <i>Elpistostege</i>	Per Ahlberg <i>Uppsala University, Sweden</i>
12:30 – 14:00	<i>Break</i>	
	Session III	
14:00 – 14:30	Keynote talk 3: How synchrotron scanning is changing the evolutionary origins of mammals	Julien Benoit <i>University of the Witwatersrand, South Africa</i>
14:30 – 14:45	Geosciences at BM18: Earthquakes, Volcanoes and CO2 storage	Benoit Cordonnier <i>ESRF/University of Oslo, France/Norway</i>
14:45 – 15:00	Correlative imaging for additive manufacturing of metallic materials	Pierre Lhuissier <i>Simap Grenoble INP, France</i>
15:00 – 16:00	Discussion	
16:00	Closing remarks	