BioMedEng26 · Detailed Podium Timetable

Date	Start	End	Room	Session ID	Thematic session	Seq.	Paper no. / item	Presenter	Organisation	Presentation title	Chair 1	Chair 2	Minutes
Thu 3 Sep	10:20	10:30	Space Four	O01	Aortic and Cardiovascular Mechanics	1	Partner	Elinor Fowler	Heart Research UK	Heart Research UK: investing in excellence in cardiovascular biomedical engineering.	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	10:30	10:40	Space Four	O01	Aortic and Cardiovascular Mechanics	2	180	Mr Bojin Marinov	University of Liverpool	Dissecting the Dissection: Nanoscale Collagen Mechanics Across the Flap, True and False Lumen of the Human Aorta	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	10:40	10:50	Space Four	O01	Aortic and Cardiovascular Mechanics	3	196	Miss Gladys Diaz Armas	Imperial College London	Studying the role of RBC aggregation and deformability on the transport of Red Blood Cells	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	10:50	11:00	Space Four	O01	Aortic and Cardiovascular Mechanics	4	9	Mr Joshua Preston	University of Liverpool	Collagen fibril ultrastructure and nanomechanical properties in Coarctation of the Aorta: association with biochemistry, histology and hypertension.	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	11:00	11:10	Space Four	O01	Aortic and Cardiovascular Mechanics	5	139	Dr Derek Magee	University of Leeds	Elastin Quantification in Aortic Dissections and association with extracellular matrix degradation	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	11:10	11:20	Space Four	O01	Aortic and Cardiovascular Mechanics	6	0				Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	10:20	10:30	Space Five	O02	Biomedical Imaging I: diagnostic imaging and sensing	1	40	Dr Alexander Dulebo	Bruker	Large Area Atomic Force Microscopy Mapping for Mechanical Characterization of Biomaterials, Cells, and 3D Tissue Models	Professor Zion Tse	Dr Ahmed Abass	10
Thu 3 Sep	10:30	10:40	Space Five	O02	Biomedical Imaging I: diagnostic imaging and sensing	2	60	Dr Alissa Parmenter	University College London	TomoSAXS enables the 3D investigation of fibrillar nanostructure across intact human organs	Professor Zion Tse	Dr Ahmed Abass	10
Thu 3 Sep	10:40	10:50	Space Five	O02	Biomedical Imaging I: diagnostic imaging and sensing	3	62	Dr Xinshan Li	University of Sheffield	Classification of placenta accreta spectrum using machine learning and texture analysis of MR images	Professor Zion Tse	Dr Ahmed Abass	10
Thu 3 Sep	10:50	11:00	Space Five	O02	Biomedical Imaging I: diagnostic imaging and sensing	4	105	Miss Izabela Nowakowska	Heriot-watt University	Stereo-Digital Image Correlation with Minimally-Invasive Surgical Cameras – A Validation Study	Professor Zion Tse	Dr Ahmed Abass	10
Thu 3 Sep	11:00	11:10	Space Five	O02	Biomedical Imaging I: diagnostic imaging and sensing	5	57	Mr Andrew Carey	University of Glasgow	Nonlinear ultrasonics for bone sensing	Professor Zion Tse	Dr Ahmed Abass	10
Thu 3 Sep	11:10	11:20	Space Five	O02	Biomedical Imaging I: diagnostic imaging and sensing	6	0				Professor Zion Tse	Dr Ahmed Abass	10
Thu 3 Sep	10:20	10:30	Space Six	O03	Musculoskeletal Biomechanics I: gait, joints and motion	1	18	Dr Thomas Valerio	University of Sheffield	THE REPRODUCIBILITY OF MARKER-BASED MOTION CAPTURE FOR MOUSE HINDLIMB KINEMATICS DURING TROTTING	Professor Karl Bates	Dr James Charles	10
Thu 3 Sep	10:30	10:40	Space Six	O03	Musculoskeletal Biomechanics I: gait, joints and motion	2	74	Mrs Hadeer Al-abboodi	University of Leeds	Multi-Modal Ankle-Foot Sensor Fusion for Simultaneous Gait Event Detection and Terrain Classification	Professor Karl Bates	Dr James Charles	10
Thu 3 Sep	10:40	10:50	Space Six	O03	Musculoskeletal Biomechanics I: gait, joints and motion	3	88	Mr Daniel Nicoll	University of Sheffield	Impact of task complexity on single-sensor gait parameters in Parkinson's disease and healthy adults	Professor Karl Bates	Dr James Charles	10
Thu 3 Sep	10:50	11:00	Space Six	O03	Musculoskeletal Biomechanics I: gait, joints and motion	4	96	Miss Christine Wood	University of Glasgow	A Virtual Reality Platform for Assessing Human Motor Learning and Adaptation in a Pointing Task	Professor Karl Bates	Dr James Charles	10
Thu 3 Sep	11:00	11:10	Space Six	O03	Musculoskeletal Biomechanics I: gait, joints and motion	5	117	Miss Alix Hudson	University of Liverpool	Design, development, and initial validation of a cadaveric gait simulator	Professor Karl Bates	Dr James Charles	10
Thu 3 Sep	11:10	11:20	Space Six	O03	Musculoskeletal Biomechanics I: gait, joints and motion	6	208	Miss Janine Flohr	Cardiff University	Automatic Bone Tracking in Biplane Videoradiography: Validation Against RSA	Professor Karl Bates	Dr James Charles	10
Thu 3 Sep	10:20	10:30	Space Seven	O04	Orthopaedic, Dental and Prosthetic Engineering	1	11	Miss Silvana Skotiniyadis	Imperial College London	Personalised Neck Collars: A Digital Workflow for Scan-to-3D-Printed Orthoses. Design and Evaluation vs Standard Collars.	Dr Rosti Readioff	Professor Anthony Bull	10
Thu 3 Sep	10:30	10:40	Space Seven	O04	Orthopaedic, Dental and Prosthetic Engineering	2	44	Mr YuChun Chou	University of liverpool	Development of Physics-Augmented Neural Network Constitutive Models for the Meniscal Root in Mesh-Free Knee Joint Contact Simulation	Dr Rosti Readioff	Professor Anthony Bull	10
Thu 3 Sep	10:40	10:50	Space Seven	O04	Orthopaedic, Dental and Prosthetic Engineering	3	45	Dr Alessandro Borghi	Durham University	DEVELOPMENT AND VALIDATION OF A NUMERICAL MODEL OF BONE HEALING IN MANDIBULAR RECONSTRUCTION TO COMPARE SURGICAL RECONSTRUCTION STRATEGIES	Dr Rosti Readioff	Professor Anthony Bull	10
Thu 3 Sep	10:50	11:00	Space Seven	O04	Orthopaedic, Dental and Prosthetic Engineering	4	159	Miss Clara Molano Gomez	Imperial College London	Biomechanical drivers of proximal joint degeneration after traumatic hindfoot injury: preliminary findings from the ADVANCE study	Dr Rosti Readioff	Professor Anthony Bull	10
Thu 3 Sep	11:00	11:10	Space Seven	O04	Orthopaedic, Dental and Prosthetic Engineering	5	120	Prof Elisa Budyn	Ecole Normale Superieure Paris-saclay	Human in vitro systems to measure the effect of the chemical composition of human bone on its nanoscale mechanical properties and advance animal-free research.	Dr Rosti Readioff	Professor Anthony Bull	10
Thu 3 Sep	11:10	11:20	Space Seven	O04	Orthopaedic, Dental and Prosthetic Engineering	6	LB03	Mr Yazan Haidar	Nhs Ggc	Validation of an in-house patient-specific drill guide workflow for reverse shoulder arthroplasty: a two-piece Morse-taper design with cost and turnaround advantages over outsourced pathways	Dr Rosti Readioff	Professor Anthony Bull	10
Thu 3 Sep	10:20	10:30	Wolfson Lecture Theatre	O05	Metamaterials for Health	1	16	Dr Tasneem Sabir	Manchester Metropolitan University	Development of a Female-Specific Lower Limb Surrogate for Inclusive Knee Brace Design and Evaluation	Dr Tom Allen	Mr Adam Weston	10
Thu 3 Sep	10:30	10:40	Wolfson Lecture Theatre	O05	Metamaterials for Health	2	27	Mr Fares El-dessouky	University of Birmingham	Reducing MRI Artefact Susceptibility Using Additively Manufactured Porous Titanium Implants: A Cranioplasty Case Study.	Dr Tom Allen	Mr Adam Weston	10
Thu 3 Sep	10:40	10:50	Wolfson Lecture Theatre	O05	Metamaterials for Health	3	41	Mr Haydn Whitehouse-lloyd	University of Liverpool	Exploration of Bio-inspired, Functionally Gradient Composites with Optimized Mechanical Properties	Dr Tom Allen	Mr Adam Weston	10
Thu 3 Sep	10:50	11:00	Wolfson Lecture Theatre	O05	Metamaterials for Health	4	52	Mr Yizhuo Wang	University of Leicester	A Biomimetically Inspired Collagen Scaffold with Graduated Pore Structure for Meniscal Repair Showing Parallels to Metamaterial Design	Dr Tom Allen	Mr Adam Weston	10
Thu 3 Sep	11:00	11:10	Wolfson Lecture Theatre	O05	Metamaterials for Health	5	71	Mr Luís Nascimento	Universidade De Aveiro	Harnessing Piezoelectric Auxetic Metamaterial Architectures for Cardiac Tissue Engineering	Dr Tom Allen	Mr Adam Weston	10
Thu 3 Sep	11:10	11:20	Wolfson Lecture Theatre	O05	Metamaterials for Health	6	239	Mr Harry Plant	Sheffield Hallam University	Optimising additively manufactured mechanical metamaterials for linear and angular head-impact protection	Dr Tom Allen	Mr Adam Weston	10
Thu 3 Sep	13:00	13:10	Space One and Two	O06	AI in Bioengineering I: imaging, sensing and predictive analytics	1	147	Mr Qinkai Yu	University of Liverpool	Multimodal Deep Learning Integration of ECG Variables, and Clinical Factors for Risk Prediction in a Global Coronary Heart Disease Cohort: Insights from the INTERASPIRE Study	Professor Yalin Zheng	Dr Cameron Kirk	10
Thu 3 Sep	13:10	13:20	Space One and Two	O06	AI in Bioengineering I: imaging, sensing and predictive analytics	2	148	Mr Nana Yaw Aboagye	Newcastle University	Co-design and Implementation of FatigueSense: A Wearable-Integrated AI Mobile Health Platform for Personalized Post-COVID Fatigue Management	Professor Yalin Zheng	Dr Cameron Kirk	10
Thu 3 Sep	13:20	13:30	Space One and Two	O06	AI in Bioengineering I: imaging, sensing and predictive analytics	3	162	Miss Sophia Otálora González	Heriot-watt University	Detecting Activities of Daily Living Using Wearable Sensors to Support Medication State Monitoring in Parkinson's Disease	Professor Yalin Zheng	Dr Cameron Kirk	10
Thu 3 Sep	13:30	13:40	Space One and Two	O06	AI in Bioengineering I: imaging, sensing and predictive analytics	4	188	Miss Ruojun Zhang	University f Liverpool	FMReg: Unsupervised Deformable Image Registration with Flow Matching	Professor Yalin Zheng	Dr Cameron Kirk	10
Thu 3 Sep	13:40	13:50	Space One and Two	O06	AI in Bioengineering I: imaging, sensing and predictive analytics	5	204	Ms Feliciana Catino	University of Bari	Sensing the Mind: A Multi-Task Multimodal AI Integrating Retinal Angiography, Auditory Phenotyping, Chemosensory Testing and Plasma Alzheimer Biomarkers for Early Detection of Mild Cognitive Impairment.	Professor Yalin Zheng	Dr Cameron Kirk	10

Thu 3 Sep	13:50	14:00	Space One and Two	O06	AI in Bioengineering I: imaging, sensing and predictive analytics	6	94	Mr Kerimay Sari	University of Surrey	Temporal Dominance in EEG-Based Alzheimer's Disease Classification: A Regional Analysis of Spectral and Complexity Features	Professor Yalin Zheng	Dr Cameron Kirk	10
Thu 3 Sep	13:00	13:10	Space Four	O07	Computational Modelling I: multiscale physiology and transport	1	13	Mr Nikolaos Bardas	University of Aberdeen	Assessing the impact of interference and crosstalk in bioelectrical EMG signals between muscles with the Finite Element Method.	Dr Ahmed Abass	Professor Blanca Rodriguez	10
Thu 3 Sep	13:10	13:20	Space Four	O07	Computational Modelling I: multiscale physiology and transport	2	58	Dr Yi Yang	Imperial College London	Decoding the Multiscale and Physicochemical Processes in Brain Tumours	Dr Ahmed Abass	Professor Blanca Rodriguez	10
Thu 3 Sep	13:20	13:30	Space Four	O07	Computational Modelling I: multiscale physiology and transport	3	61	Mr Mohammadreza Sedghi	Newcastle University	Validation of Sleep Assessment Algorithms Using Lower-Back-Worn Accelerometery	Dr Ahmed Abass	Professor Blanca Rodriguez	10
Thu 3 Sep	13:30	13:40	Space Four	O07	Computational Modelling I: multiscale physiology and transport	4	63	Dr Tian Yuan	Imperial College London	Fluid-mechanical mechanisms governing localised drug injection into soft tissues	Dr Ahmed Abass	Professor Blanca Rodriguez	10
Thu 3 Sep	13:40	13:50	Space Four	O07	Computational Modelling I: multiscale physiology and transport	5	110	Ms Joanna Mialkowska	Imperial College London	A Mathematical Model for Serotonin Dynamics from Human Derived Serotonergic Spheroids	Dr Ahmed Abass	Professor Blanca Rodriguez	10
Thu 3 Sep	13:00	13:10	Space Five	O08	Biomaterials I: therapeutic materials and drug delivery	1	26	Ms Swarnapriya Kasi/ Dr Jenny Shepherd	University of Leicester	Perivascular biodegradable mesh for the delivery of dexamethasone to extend vein graft patency in coronary artery bypass graft	Professor Martin Knight	Dr Jenny Hanson	10
Thu 3 Sep	13:10	13:20	Space Five	O08	Biomaterials I: therapeutic materials and drug delivery	2	156	Ms Qandeel Saleem	Durham University	Diffusion-Controlled Fibrin Gelation via In Situ Thrombin Delivery	Professor Martin Knight	Dr Jenny Hanson	10
Thu 3 Sep	13:20	13:30	Space Five	O08	Biomaterials I: therapeutic materials and drug delivery	3	33	Miss Moira Lorenzo Lopez	University of Liverpool	In vitro vitreous-cell model for pharmacokinetic analysis	Professor Martin Knight	Dr Jenny Hanson	10
Thu 3 Sep	13:30	13:40	Space Five	O08	Biomaterials I: therapeutic materials and drug delivery	4	42	Dr Luke Carter	University of Birmingham	In-Situ Alloying via Laser Powder-Bed Fusion to Explore Minor Element Addition for Biological Functionality	Professor Martin Knight	Dr Jenny Hanson	10
Thu 3 Sep	13:40	13:50	Space Five	O08	Biomaterials I: therapeutic materials and drug delivery	5	53	Dr Ting Chen (Ziyue Su)	University of Liverpool	Sandwich-Structured Electrospun PLGA/PVA Membranes for Sustained Release of Quaternary Ammonium Compounds in Periodontal Therapy	Professor Martin Knight	Dr Jenny Hanson	10
Thu 3 Sep	13:50	14:00	Space Five	O08	Biomaterials I: therapeutic materials and drug delivery	6	0			TO BE CONFIRMED: presenter registration has not been identified: organiser to confirm whether the	Professor Martin Knight	Dr Jenny Hanson	10
Thu 3 Sep	13:00	13:10	Space Six	O09	TADCT Sponsored Session: Aortic Haemodynamics and Mechanics	1	Partner	Graham Cooper	The Aortic Dissection Charitable Trust (TADCT)	The Importance of Research in Shaping a Safer Future for Aortic Dissection.	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	13:10	13:20	Space Six	O09	TADCT Sponsored Session: Aortic Haemodynamics and Mechanics	2	113	Mr Talha Akhtar	University of Manchester	Subject Specific Computational Haemodynamic Analysis of Pressure Transmission during Partial Arterial Opening in Cuff Oscillometric Measurement	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	13:20	13:30	Space Six	O09	TADCT Sponsored Session: Aortic Haemodynamics and Mechanics	3	102	Miss Eleanor Barton	Aston University	Experimental Investigation of Pulsatile Flow in Graft-Treated Aortic Models	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	13:30	13:40	Space Six	O09	TADCT Sponsored Session: Aortic Haemodynamics and Mechanics	4	207	Mr Anastasios Koulogiannis	University College London	Experimental investigation of patient-specific false lumen haemodynamics and thrombosis progression in Type B aortic dissection	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	13:40	13:50	Space Six	O09	TADCT Sponsored Session: Aortic Haemodynamics and Mechanics	5	229	Dr Jie Wang	Univeristy Of Manchester	AortaCFD: an automated open-source pipeline for reproducible patient-specific aortic haemodynamics	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	13:50	14:00	Space Six	O09	TADCT Sponsored Session: Aortic Haemodynamics and Mechanics	6	89	Dr Marta Serrani	Durham University	Optimising polymeric heart valves for clinical translation through engineering approaches	Dr Riaz Akhtar	Dr Joseph van Batenburg-Sherwood	10
Thu 3 Sep	13:00	13:10	Space Seven	O10	AI in Health and Digital Twins: clinical decision support and personalised modelling	1	Partner	GSK	GSK	Journey from Biomedical Engineering to Machine Learning Engineering at GSK	Professor Raoul van Loon	Dr Javad Sarvestan	10
Thu 3 Sep	13:10	13:20	Space Seven	O10	AI in Health and Digital Twins: clinical decision support and personalised modelling	2	134	Dr Yun Bing	University of Liverpool	Data-driven in silico clinical trials illustrated through the management of patients with atrial fibrillation	Professor Raoul van Loon	Dr Javad Sarvestan	10
Thu 3 Sep	13:20	13:30	Space Seven	O10	AI in Health and Digital Twins: clinical decision support and personalised modelling	3	160	Dr Ioannis Polydoros	Swansea University	Towards Haemodynamic Signatures of Pre-Eclampsia Across Gestation Using Maternal Digital Twins	Professor Raoul van Loon	Dr Javad Sarvestan	10
Thu 3 Sep	13:30	13:40	Space Seven	O10	AI in Health and Digital Twins: clinical decision support and personalised modelling	4	161	Mr TJ O'sullivan	University of Liverpool	Clinical decision-node mapping as a pre-modelling framework for medical digital twin design	Professor Raoul van Loon	Dr Javad Sarvestan	10
Thu 3 Sep	13:40	13:50	Space Seven	O10	AI in Health and Digital Twins: clinical decision support and personalised modelling	5	86	Dr Kaihong Wang	University College London	Hierarchical Morphological Analysis and Computational Modelling of the Human Kidney: Effects of Vascular Architecture on Glomerular Filtration Rate	Professor Raoul van Loon	Dr Javad Sarvestan	10
Thu 3 Sep	13:50	14:00	Space Seven	O10	AI in Health and Digital Twins: clinical decision support and personalised modelling	6	205	Miss Ching Yan Hannah Kwok	University of Liverpool	Cataract Detection and Classification in Digital Camera Images using Convolutional Neural Networks	Professor Raoul van Loon	Dr Javad Sarvestan	10
Thu 3 Sep	13:00	13:10	Wolfson Lecture Theatre	O11	Tissue Engineering I: scaffolds and regenerative platforms	1	83	Mr Haoyu Xia	Imperial College London	Cell Shape Confinement Promotes Junction Formation in Cultured Human Schlemm's Canal Endothelial Cells	Prof Gwendolen Reilly	Dr Lucy Bosworth	10
Thu 3 Sep	13:10	13:20	Wolfson Lecture Theatre	O11	Tissue Engineering I: scaffolds and regenerative platforms	2	97	Miss Mingying Han	University of Liverpool	HIGH-THROUGHPUT VASCULARIZED MICROPHYSIOLOGICAL SYSTEMS FOR PROXIMAL TUBULE MODELLING	Prof Gwendolen Reilly	Dr Lucy Bosworth	10
Thu 3 Sep	13:20	13:30	Wolfson Lecture Theatre	O11	Tissue Engineering I: scaffolds and regenerative platforms	3	98	Dr Simon Koenig	Queen Mary University of London	Building a physiologically relevant tendon on-a-chip in vitro model	Prof Gwendolen Reilly	Dr Lucy Bosworth	10
Thu 3 Sep	13:30	13:40	Wolfson Lecture Theatre	O11	Tissue Engineering I: scaffolds and regenerative platforms	4	101	Miss Rebecca Lewis	Aston University	Experimental flow visualisation of the effect of bioreactor impeller geometries for cell culture applications	Prof Gwendolen Reilly	Dr Lucy Bosworth	10
Thu 3 Sep	13:40	13:50	Wolfson Lecture Theatre	O11	Tissue Engineering I: scaffolds and regenerative platforms	5	104	Dr Francesco Giorgi	University of Liverpool	Estimating the Environmental Impact of Rodent Animal Facilities: A Preliminary Modelling Approach	Prof Gwendolen Reilly	Dr Lucy Bosworth	10
Thu 3 Sep	13:50	14:00	Wolfson Lecture Theatre	O11	Tissue Engineering I: scaffolds and regenerative platforms	6	149	Dr Hugo Moreiras	University of Liverpool	Cell Bandage for Human Corneal Epithelial Cell Transfer in PCED	Prof Gwendolen Reilly	Dr Lucy Bosworth	10
Fri 4 Sep	10:20	10:30	Space One and Two	O12	AI in Bioengineering II: wearables and clinical deployment	1	17	Dr Javad Sarvestan	Newcastle University	Activity Identification Using Wearable IMUs at Multiple Body Locations: A Validation Study Using Machine Learning Approaches	Dr Silvia Del Din	Dr Ian Sandall	10
Fri 4 Sep	10:30	10:40	Space One and Two	O12	AI in Bioengineering II: wearables and clinical deployment	2	25	Miss Abir Al-ansari	University of Liverpool	Dynamic Trust Assessment in Wearable-based IoT Healthcare Systems Using Machine Learning	Dr Silvia Del Din	Dr Ian Sandall	10
Fri 4 Sep	10:40	10:50	Space One and Two	O12	AI in Bioengineering II: wearables and clinical deployment	3	31	Dr Isaac Acquah (pre-recorded video)	Kwame Nkrumah University of Science and Technology	Warning Lead Time (Δα): Early Detection of Reliability Collapse in Clinical AI Under Distribution Shift	Dr Silvia Del Din	Dr Ian Sandall	10
Fri 4 Sep	10:50	11:00	Space One and Two	O12	AI in Bioengineering II: wearables and clinical deployment	4	123	Mr Rory Bennett	Queen Mary University of London	Optimising Prostate Cancer Diagnosis with AI-Assisted Surface-Based Ultrasound-Derived Prostate-Specific Antigen Density	Dr Silvia Del Din	Dr Ian Sandall	10
Fri 4 Sep	11:00	11:10	Space One and Two	O12	AI in Bioengineering II: wearables and clinical deployment	5	143	Prof Raoul Van Loon	Swansea University	Remote monitoring of cardiovascular trends in pregnancy using PPG waveforms.	Dr Silvia Del Din	Dr Ian Sandall	10
Fri 4 Sep	11:10	11:20	Space One and Two	O12	AI in Bioengineering II: wearables and clinical deployment	6					Dr Silvia Del Din	Dr Ian Sandall	10
Fri 4 Sep	10:20	10:30	Space Four	O13	Computational Modelling II: patient-specific simulation	1	73	Dr Svetlana Aleksandrova	University of Leicester	Porous medium approach for modelling lung ventilation and drug delivery	Professor Amy Zavatsky	Dr Rosti Readioff	10

Fri 4 Sep	10:30	10:40	Space Four	O13	Computational Modelling II: patient-specific simulation	2	51	Mr Jay Davies	University of Liverpool	Validation of a Novel Axial Length MATLAB Digital Optimisation Tool within Cataract Patients	Professor Amy Zavatsky	Dr Rosti Readioff	10
Fri 4 Sep	10:40	10:50	Space Four	O13	Computational Modelling II: patient-specific simulation	3	112	Mr Charles Laundon	University of Leicester	Agent-Based Multiscale Modelling of Asthma Predicts Accelerated Remodelling in Small Airways Relative to Large Airways	Professor Amy Zavatsky	Dr Rosti Readioff	10
Fri 4 Sep	10:50	11:00	Space Four	O13	Computational Modelling II: patient-specific simulation	4	153	Dr Aron Syversen	Newcastle University	Characterising real-world gait trajectories following morning medication intake in Parkinson's disease	Professor Amy Zavatsky	Dr Rosti Readioff	10
Fri 4 Sep	11:00	11:10	Space Four	O13	Computational Modelling II: patient-specific simulation	5	171	Dr Remi Hernandez	University of Liverpool	Topological and Haemodynamic Analysis of Synthetic Retinal Microvascular Networks	Professor Amy Zavatsky	Dr Rosti Readioff	10
Fri 4 Sep	11:10	11:20	Space Four	O13	Computational Modelling II: patient-specific simulation	6	34	Dr Cameron Kirk	Newcastle University	Mobgap v.20: a state-of-the-art python package for estimation of digital mobility outcomes from a single wearable device	Professor Amy Zavatsky	Dr Rosti Readioff	10
Fri 4 Sep	10:20	10:30	Space Five	O14	Skin and Soft-Tissue Mechanics	1	54	Mr Edward Rees	Heriot-watt University	Adaptable Mechanically Active Dressings for Reduced Scarring	Professor Michael Crichton	Dr Anders Aufderhorst-Roberts	10
Fri 4 Sep	10:30	10:40	Space Five	O14	Skin and Soft-Tissue Mechanics	2	84	Dr Ciara Durcan	Heriot-Watt University	Evaluating the Validity of Animal Models in Representing Human Colon and Colorectal Cancer Tissue Mechanics	Professor Michael Crichton	Dr Anders Aufderhorst-Roberts	10
Fri 4 Sep	10:40	10:50	Space Five	O14	Skin and Soft-Tissue Mechanics	3	146	Dr Charlotte Brass	University Of Cambridge	Finite element and neuroimaging analyses of cranial decompression procedures in traumatic brain injury	Professor Michael Crichton	Dr Anders Aufderhorst-Roberts	10
Fri 4 Sep	10:50	11:00	Space Five	O14	Skin and Soft-Tissue Mechanics	4	116	Miss Sahar Sattar	Swansea University	Towards Inclusive CPAP Mask Design: Assessing Fit and Pressure Across Facial Profiles	Professor Michael Crichton	Dr Anders Aufderhorst-Roberts	10
Fri 4 Sep	11:00	11:10	Space Five	O14	Skin and Soft-Tissue Mechanics	5	129	Mr Eyad Awad	Grenoble Alpes University	Ex vivo experimental investigations and modelling of visco-hyperelastic behaviour of the human facial tissues	Professor Michael Crichton	Dr Anders Aufderhorst-Roberts	10
Fri 4 Sep	11:10	11:20	Space Five	O14	Skin and Soft-Tissue Mechanics	6	0				Professor Michael Crichton	Dr Anders Aufderhorst-Roberts	10
Fri 4 Sep	10:20	10:30	Space Six	O15	Biomedical Imaging II: advanced imaging and physiological measurement	1	125	Mr Feng He	King's College London	Accelerated photoacoustic microscopy using transfer learning-enhanced latent diffusion reconstruction	Professor Zion Tse	Dr Hannah Leese	10
Fri 4 Sep	10:30	10:40	Space Six	O15	Biomedical Imaging II: advanced imaging and physiological measurement	2	164	Mr Yehia Ibrahim	University of Liverpool	Deep Learning and Image Processing Pipeline for Robust Retinal Layer Segmentation from Multi-Device OCT B-Scans	Professor Zion Tse	Dr Hannah Leese	10
Fri 4 Sep	10:40	10:50	Space Six	O15	Biomedical Imaging II: advanced imaging and physiological measurement	3	185	Dr Francesco Giorgi	University of Liverpool	Optical Nanoscopy for Real-Time Investigation of Nano–Bio Interactions in Biomedical Engineering	Professor Zion Tse	Dr Hannah Leese	10
Fri 4 Sep	10:50	11:00	Space Six	O15	Biomedical Imaging II: advanced imaging and physiological measurement	4	218	Miss Leah Douglas	University of Glasgow	Velocity Profile of Super Resolution Ultrasound Imaging of Laminar Flow	Professor Zion Tse	Dr Hannah Leese	10
Fri 4 Sep	11:00	11:10	Space Six	O15	Biomedical Imaging II: advanced imaging and physiological measurement	5	223	Dr Parry Hashemi	Imperial College London	Dynamic Neurotransmitter Measurements in Human Derived Systems as Diagnostic and Therapeutic Approaches for Mental Health Disorders	Professor Zion Tse	Dr Hannah Leese	10
Fri 4 Sep	11:10	11:20	Space Six	O15	Biomedical Imaging II: advanced imaging and physiological measurement	6	234	Dr Dineo Serame	University of Oxford	Video-based respiratory rate estimation during cessation of breathing in pre-term infants	Professor Zion Tse	Dr Hannah Leese	10
Fri 4 Sep	10:20	10:30	Space Seven	O16	Tissue Engineering II: vascular and organ-on-chip models	1	166	Mr Joseph Morgan	University of Oxford	Engineering human neuronal circuits using microfluidics with fluid walls	Professor Martin Knight	Professor Hazel Screen	10
Fri 4 Sep	10:30	10:40	Space Seven	O16	Tissue Engineering II: vascular and organ-on-chip models	2	1	Miss Rosanna Hood	University of Sheffield	Anti-thrombotic and decalcifying dECM embedded bilayer grafts for vascular tissue engineering	Professor Martin Knight	Professor Hazel Screen	10
Fri 4 Sep	10:40	10:50	Space Seven	O16	Tissue Engineering II: vascular and organ-on-chip models	3	114	Mr Matthew Murphy	Imperial College London	Temporally resolved insulin and serotonin signalling in pancreatic-like models	Professor Martin Knight	Professor Hazel Screen	10
Fri 4 Sep	10:50	11:00	Space Seven	O16	Tissue Engineering II: vascular and organ-on-chip models	4	43	Mrs NOOR JIBAWI	University of Leicester	Biopolymer for cardiac tissue engineering	Professor Martin Knight	Professor Hazel Screen	10
Fri 4 Sep	11:00	11:10	Space Seven	O16	Tissue Engineering II: vascular and organ-on-chip models	5	66	Miss Yilin Ma	Imperial College London	Development of an ex vivo explant perfusion platform that allows continuous real-time metabolite monitoring of precision cut tumour slices	Professor Martin Knight	Professor Hazel Screen	10
Fri 4 Sep	11:10	11:20	Space Seven	O16	Tissue Engineering II: vascular and organ-on-chip models	6	75	Sushma Priya	University College London	3D Printing of Animal-Free Blood Vessels for Vascular Tissue Engineering	Professor Martin Knight	Professor Hazel Screen	10
Fri 4 Sep	13:00	13:10	Space One and Two	O17	Tissue Engineering III: neural, bone and therapeutic implants	1	151	Dr Sevgi Balcioglu	Sakarya University of Applied Sciences	Aligned cellulose coatings on dopamine-functionalised gelatin methacrylamide (GelDMA) hydrogels: comparing nanocrystal and nanofibre topographies for myoblast alignment	Dr Jenny Hanson	Dr Tecla Bonci	10
Fri 4 Sep	13:10	13:20	Space One and Two	O17	Tissue Engineering III: neural, bone and therapeutic implants	2	165	Miss Aalia Rehman	Queen Mary University of London	Visualising Tissue Development in a Bioceramic Scaffold	Dr Jenny Hanson	Dr Tecla Bonci	10
Fri 4 Sep	13:20	13:30	Space One and Two	O17	Tissue Engineering III: neural, bone and therapeutic implants	3	190	Miss Ilona Bognar	University of Sheffield	Personalised Organotypic Bone Fracture Models for Osteogenesis Imperfecta Treatment Development	Dr Jenny Hanson	Dr Tecla Bonci	10
Fri 4 Sep	13:30	13:40	Space One and Two	O17	Tissue Engineering III: neural, bone and therapeutic implants	4	221	Mr Florian Rummel	NETZSCH Analyzing & Testing	In-situ alginate gelation using Rheodialysis as a tool for tissue engineering applications	Dr Jenny Hanson	Dr Tecla Bonci	10
Fri 4 Sep	13:40	13:50	Space One and Two	O17	Tissue Engineering III: neural, bone and therapeutic implants	5	222	Dr Yifei Wan	University of Strathclyde	Development of a GelMA Hydrogel Micromembrane Platform for Osteosarcoma Invasion Modelling	Dr Jenny Hanson	Dr Tecla Bonci	10
Fri 4 Sep	13:50	14:00	Space One and Two	O17	Tissue Engineering III: neural, bone and therapeutic implants	6	231	Ms Elizabeth Seed	University of Strathclyde	3D-printing of temperature senstive and drug-eluting hydrogel-based cardiovascular implants	Dr Jenny Hanson	Dr Tecla Bonci	10
Fri 4 Sep	13:00	13:10	Space Four	O18	Computational Modelling III: organ-scale biomechanics	1	200	Ms Ruonan Dong	University College London	Patient-Specific Finite Element Modelling of Posterior Cranial Vault Distraction in Apert Syndrome	Professor Michael Sutcliffe	Mr YuChun Chou	10
Fri 4 Sep	13:10	13:20	Space Four	O18	Computational Modelling III: organ-scale biomechanics	2	201	Miss Kathryn Barker	University of Manchester	Convergence of Turbulent Kinetic Energy in Aortic Flows: Evaluating Sensitivity to the Number of Simulated Cardiac Cycles.	Professor Michael Sutcliffe	Mr YuChun Chou	10
Fri 4 Sep	13:20	13:30	Space Four	O18	Computational Modelling III: organ-scale biomechanics	3	209	Mr William Greenough	University of Liverpool	Sensitivity Analysis of Pulsatility Transmission to the Cerebral Microvasculature	Professor Michael Sutcliffe	Mr YuChun Chou	10
Fri 4 Sep	13:30	13:40	Space Four	O18	Computational Modelling III: organ-scale biomechanics	4	202	Mr Akash Sivananthan	University College London	Computational Flow Modelling of Coronary Haemodynamics using Hierarchical Phase-Contrast Imaging (HiP-CT)	Professor Michael Sutcliffe	Mr YuChun Chou	10
Fri 4 Sep	13:40	13:50	Space Four	O18	Computational Modelling III: organ-scale biomechanics	5	226	Mr Vineet Seemala	University of Warwick	Experimental and Computational Evaluation of Intraoperative Periprosthetic Fracture During Uncemented Total Hip Arthroplasty	Professor Michael Sutcliffe	Mr YuChun Chou	10
Fri 4 Sep	13:50	14:00	Space Four	O18	Computational Modelling III: organ-scale biomechanics	6	235	Miss Meiyi Zhou	University College London	Computational modelling of thrombus formation in the left atrial appendage in atrial fibrillation	Professor Michael Sutcliffe	Mr YuChun Chou	10
Fri 4 Sep	13:00	13:10	Space Five	O19	Biomaterials II: biofabrication and sustainable manufacture	1	55	Miss Grace Ritchie	University of Liverpool	Real-time label-free exploration of the dynamics and interactions of bacteriophages	Professor Hazel Screen	Dr Francesco Giorgi	10
Fri 4 Sep	13:10	13:20	Space Five	O19	Biomaterials II: biofabrication and sustainable manufacture	2	56	Dr Carolina Tacchella	Heriot-watt University	Towards an Eco-Friendly Healthcare: The Role of Biodegradable Materials in Sustainable Medical Device Manufacturing	Professor Hazel Screen	Dr Francesco Giorgi	10

Fri 4 Sep	13:20	13:30	Space Five	O19	Biomaterials II: biofabrication and sustainable manufacture	3	90	Mr Charlie Rayner	Imperial College London	Bioinspired Surface Engineering of Carbon Fibre Microelectrodes for Real-Time Neurotransmitter Detection	Professor Hazel Screen	Dr Francesco Giorgi	10
Fri 4 Sep	13:30	13:40	Space Five	O19	Biomaterials II: biofabrication and sustainable manufacture	4	29	Miss Nicola Kelly	University of Liverpool	Membranes Matter: Electrospun Materials for the Advancement of Lateral Flow Diagnostics	Professor Hazel Screen	Dr Francesco Giorgi	10
Fri 4 Sep	13:40	13:50	Space Five	O19	Biomaterials II: biofabrication and sustainable manufacture	5	157	Dr David Olubiyi Obada	University of Sheffield	Calcium Vacancies in Hydroxyapatite: A Combined DFT and Experimental Study	Professor Hazel Screen	Dr Francesco Giorgi	10
Fri 4 Sep	13:50	14:00	Space Five	O19	Biomaterials II: biofabrication and sustainable manufacture	6	12	Miss Aimee Van Domburg	University of Sheffield	Polyhydroxyalkanoate (PHA) / polyethylene glycol (PEG) blends for post-myocardial infarction (MI) repair	Professor Hazel Screen	Dr Francesco Giorgi	10
Fri 4 Sep	14:00	14:10	Space One and Two	O20	Assistive Technology and Diagnostic Innovation	1	199	Mr Zhongli Wu	University of Liverpool	Quantifying residual diagnostic information beyond standard measurements in 12-lead ECGs	Professor Yalin Zheng	Professor Anthony Bull	10
Fri 4 Sep	14:10	14:20	Space One and Two	O20	Assistive Technology and Diagnostic Innovation	2	LB01	Dr Lucas Fonseca	University of Nottingham	Collision Risk Assessment for Assisted Mobility with Sensor Fusion	Professor Yalin Zheng	Professor Anthony Bull	10
Fri 4 Sep	14:20	14:30	Space One and Two	O20	Assistive Technology and Diagnostic Innovation	3	LB05	Ms Dionysia Kasiani	University of Liverpool	Bayesian and classical Machine Learning for robust remote gait analysis in Parkinson's Disease	Professor Yalin Zheng	Professor Anthony Bull	10
Fri 4 Sep	14:30	14:40	Space One and Two	O20	Assistive Technology and Diagnostic Innovation	4	47	Ms Mahnoor Ali	University of Bath	The HEaRD Device - Hypoxic-impact Early Recognition and Detection	Professor Yalin Zheng	Professor Anthony Bull	10
Fri 4 Sep	14:40	14:50	Space One and Two	O20	Assistive Technology and Diagnostic Innovation	5	177	Dr Ian Sandall	University of Liverpool	Smartphone-Based Nanozyme Immunosensor for Ultrasensitive Detection of Neurofilament Light Chain in Human Serum	Professor Yalin Zheng	Professor Anthony Bull	10
Fri 4 Sep	14:50	15:00	Space One and Two	O20	Assistive Technology and Diagnostic Innovation	6	LB08	Mr Oscar Weipers	University of Strathclyde	Design of a low-cost, low-latency, PID-controlled heating module for cardiac troponin I assay development	Professor Yalin Zheng	Professor Anthony Bull	10
Fri 4 Sep	14:00	14:10	Space Four	O21	Musculoskeletal Biomechanics II: bone, muscle and rehabilitation	1	128	Mr Adam Rowlatt	University of Liverpool	Impact of ageing and footwear on the heel pad: ultrasound imaging of the macrolayer, microlayer and skin	Professor Karl Bates	Dr Aron Syversen	10
Fri 4 Sep	14:10	14:20	Space Four	O21	Musculoskeletal Biomechanics II: bone, muscle and rehabilitation	2	142	Mr Keir Robson	University of Sheffield	The role of soft tissue structures in the rotational stability of the distal tibiofibular (syndesmosis) joint.	Professor Karl Bates	Dr Aron Syversen	10
Fri 4 Sep	14:20	14:30	Space Four	O21	Musculoskeletal Biomechanics II: bone, muscle and rehabilitation	3	152	Dr James Charles	University of Liverpool	Assessing the functional impacts of muscle ageing through high-fidelity predictive musculoskeletal simulations	Professor Karl Bates	Dr Aron Syversen	10
Fri 4 Sep	14:30	14:40	Space Four	O21	Musculoskeletal Biomechanics II: bone, muscle and rehabilitation	4	48	Miss Charlotte Thompson	University of Liverpool	Age-Related Evolution of Micromechanical Properties in the Cranium: Observing the Bone-Suture Interface using Nanoindentation	Professor Karl Bates	Dr Aron Syversen	10
Fri 4 Sep	14:40	14:50	Space Four	O21	Musculoskeletal Biomechanics II: bone, muscle and rehabilitation	5	191	Prof Mehran Moazen	University College London	Unravelling the mechanobiology of craniofacial system	Professor Karl Bates	Dr Aron Syversen	10
Fri 4 Sep	14:50	15:00	Space Four	O21	Musculoskeletal Biomechanics II: bone, muscle and rehabilitation	6	193	Dr Yanhong Wang	University of Liverpool	Biomechanics of the Human Knee Joint Menisci During Side Cutting Activity from Dynamic Dual-Plane Fluoroscopy	Professor Karl Bates	Dr Aron Syversen	10
Fri 4 Sep	14:00	14:10	Space Five	O22	UKSB - Biomaterials	1	7	Dr Beshair Alsaffar	KACST	Electrospun PCL/dECM Composite Scaffolds Derived from Porcine Carotid Artery for Small-Diameter Vascular Graft Applications	Professor Jude Curran	Dr Lucy Bosworth	10
Fri 4 Sep	14:10	14:20	Space Five	O22	UKSB - Biomaterials	2	230	Miss Sarah Eccles	University of Strathclyde	Antimicrobial Efficacy and Elution Characteristics of Rifampicin-eluting PLGA Coatings for Medical Implants	Professor Jude Curran	Dr Lucy Bosworth	10
Fri 4 Sep	14:20	14:30	Space Five	O22	UKSB - Biomaterials	3	115	Miss Adila Adila	University of Liverpool	Green-Synthesized Silver Nanoparticle-Loaded Electrospun Fibres for Advanced Antimicrobial Wound Healing	Professor Jude Curran	Dr Lucy Bosworth	10
Fri 4 Sep	14:30	14:40	Space Five	O22	UKSB - Biomaterials	4	175	Miss Natasha Cheung	University of Sheffield	Chondrogenesis of Y201 mesenchymal stem cells on PGS-M polyHIPE scaffolds	Professor Jude Curran	Dr Lucy Bosworth	10
Fri 4 Sep	14:40	14:50	Space Five	O22	UKSB - Biomaterials	5	219	Dr Lisa Asciak	University of Strathclyde	3D-bioprinted biofilms towards advanced infection models and inactivation strategies: a protocol optimisation study	Professor Jude Curran	Dr Lucy Bosworth	10
Fri 4 Sep	15:20	15:30	Space One and Two	O23	Clinical Diagnostics and Point-of-Care Systems	1	36	Mr Daniel Nathan Tomas Cancado	University of Southampton	Rapid isolation of bacteria from positive blood cultures for bacteraemia diagnosis	Dr Ian Sandall	Dr Yanhong Wang	10
Fri 4 Sep	15:30	15:40	Space One and Two	O23	Clinical Diagnostics and Point-of-Care Systems	2	77	Miss Claire Wilkinson	Newcastle University	Validating a Turn Detection Algorithm for a Wrist Worn Device in People with Parkinson's Disease	Dr Ian Sandall	Dr Yanhong Wang	10
Fri 4 Sep	15:40	15:50	Space One and Two	O23	Clinical Diagnostics and Point-of-Care Systems	3	80	Miss Leo Fish	University of Sheffield	Reactive Inkjet-Printed Arrays for Early Detection of Cancer	Dr Ian Sandall	Dr Yanhong Wang	10
Fri 4 Sep	15:50	16:00	Space One and Two	O23	Clinical Diagnostics and Point-of-Care Systems	4	106	Dr John Mitchell	University of Sheffield	Differences in wearable-sensor-extracted digital mobility outcomes between adults with cerebral palsy and healthy adults.	Dr Ian Sandall	Dr Yanhong Wang	10
Fri 4 Sep	16:00	16:10	Space One and Two	O23	Clinical Diagnostics and Point-of-Care Systems	5	194	Mr Muhammad Faizan Basil	University of Leicester	Developing Accessible, Inclusive Digital Surveys to Evaluate Training Outcomes	Dr Ian Sandall	Dr Yanhong Wang	10
Fri 4 Sep	16:10	16:20	Space One and Two	O23	Clinical Diagnostics and Point-of-Care Systems	6	211	Miss Sumeya Mohamed	University of Warwick	Automated seizure detection using wearable devices: updated systematic review and meta-analysis of tonic-clonic and focal seizure detection	Dr Ian Sandall	Dr Yanhong Wang	10
Fri 4 Sep	15:20	15:30	Space Four	O24	Neural Systems and Brain Imaging	1	68	Miss Ece Tezsezen	University of Liverpool	Synthesis and Magnetic Characterization of Boron-Loaded Nanoparticles for Boron Neutron Capture Therapy in Female-Specific and Brain Cancers	Dr Wahbi El-Bouri	Professor Liangxiu Han	10
Fri 4 Sep	15:30	15:40	Space Four	O24	Neural Systems and Brain Imaging	2	212	Mr Alexandros Spyrou	University of Oxford	Fluid-walled microenvironments for optogenetic control and super-resolution imaging of neuronal networks	Dr Wahbi El-Bouri	Professor Liangxiu Han	10
Fri 4 Sep	15:40	15:50	Space Four	O24	Neural Systems and Brain Imaging	3	140	Mr Shivam Verma	Indian Institute Of Technology Delhi	Vibration Transmissibility Analysis in a Biofidelic Human Brain Model	Dr Wahbi El-Bouri	Professor Liangxiu Han	10
Fri 4 Sep	15:50	16:00	Space Four	O24	Neural Systems and Brain Imaging	4	124	Mr Feng He	King's College London	Fast micro-field classification of glioblastoma infiltrative-margin patterns in haematoxylin and eosin histology	Dr Wahbi El-Bouri	Professor Liangxiu Han	10
Fri 4 Sep	16:00	16:10	Space Four	O24	Neural Systems and Brain Imaging	5	64	Miss Isla Henderson	University College London	Hierarchical phase-contrast tomography enables microscale investigation of hard and soft tissue anatomy in the intact human spine	Dr Wahbi El-Bouri	Professor Liangxiu Han	10
Fri 4 Sep	16:10	16:20	Space Four	O24	Neural Systems and Brain Imaging	6	172	Miss Amanda Thobega	University Of Liverpool	Digital twins for dementia: linking vascular and brain health	Dr Wahbi El-Bouri	Professor Liangxiu Han	10
Fri 4 Sep	15:20	15:30	Space Five	O25	Biomaterials III: smart materials and advanced manufacture	1	163	Dr Sujitha Kunalan	Queen Mary University of London	Engineering Bioresorbable Bioactive Composites for Musculoskeletal Repair	Professor Hazel Screen	Dr Jenny Hanson	10
Fri 4 Sep	15:30	15:40	Space Five	O25	Biomaterials III: smart materials and advanced manufacture	2	170	Dr David Alexander Gregory	University of Sheffield	Advanced Manufacturing Strategies for Tissue Engineering and Sensing Devices	Professor Hazel Screen	Dr Jenny Hanson	10
Fri 4 Sep	15:40	15:50	Space Five	O25	Biomaterials III: smart materials and advanced manufacture	3	32	Miss Genevieve Schleyer	University of Liverpool	Label-free tracking of nanoparticle and microbial dynamics at biological interfaces	Professor Hazel Screen	Dr Jenny Hanson	10
Fri 4 Sep	15:50	16:00	Space Five	O25	Biomaterials III: smart materials and advanced manufacture	4	30	Mr Federico Delle Fave	University of Rome Tor Vergata	Understanding interface interactions between microorganisms and Layered Double Hydroxides substrates	Professor Hazel Screen	Dr Jenny Hanson	10

Fri 4 Sep	16:00	16:10	Space Five	O25	Biomaterials III: smart materials and advanced manufacture	5	LB07	Dr Huidong Wei	University of Huddersfield	Biaxial Mechanical Characterisation of Biodegradable Polymeric Films under Hydrolytic Degradation	Professor Hazel Screen	Dr Jenny Hanson	10
Fri 4 Sep	16:10	16:20	Space Five	O25	Biomaterials III: smart materials and advanced manufacture	6	0				Professor Hazel Screen	Dr Jenny Hanson	10
Fri 4 Sep	15:20	15:30	Space Six	O26	Craniofacial, Soft-Tissue and Sports Biomechanics	1	210	Dr Omar Elnaggar	Queen Mary University of London	Wearable sleep posture classification using one-shot learning of biomechanical signatures. [Pre-recorded]	Dr Tom Allen	Professor Michael Crichton	10
Fri 4 Sep	15:30	15:40	Space Six	O26	Craniofacial, Soft-Tissue and Sports Biomechanics	2	4	Dr Alana Sharp	University of Liverpool	Reassessing the functional significance of the temporal fascia in cranial biomechanics	Dr Tom Allen	Professor Michael Crichton	10
Fri 4 Sep	15:40	15:50	Space Six	O26	Craniofacial, Soft-Tissue and Sports Biomechanics	3	LB02	Dr Lucas Fonseca	University of Nottingham	Design of a prototype shared-control platform to explore multi-modal access of Early-Years Powered Mobility	Dr Tom Allen	Professor Michael Crichton	10
Fri 4 Sep	15:50	16:00	Space Six	O26	Craniofacial, Soft-Tissue and Sports Biomechanics	4					Dr Tom Allen	Professor Michael Crichton	10
Fri 4 Sep	16:00	16:10	Space Six	O26	Craniofacial, Soft-Tissue and Sports Biomechanics	5					Dr Tom Allen	Professor Michael Crichton	10
Fri 4 Sep	16:10	16:20	Space Six	O26	Craniofacial, Soft-Tissue and Sports Biomechanics	6					Dr Tom Allen	Professor Michael Crichton	
Fri 4 Sep	15:20	15:30	Space Seven	O27	Bioengineering Education	1	28	Dr Chrissi McCarthy	Centre Of Behavioural Equality	The Paper That Never Happened: Narrating the Structural Barriers to Producing Equality, Diversity and Inclusion Scholarship in a STEM Research Centre for Doctoral Training (CDT)	Dr Alison Harvey	Dr Anita Ghag	10
Fri 4 Sep	15:30	15:40	Space Seven	O27	Bioengineering Education	2	111	Dr Abby Blackman	University of Liverpool	Short-Form Topic-Focused Recaps in Engineering Education	Dr Alison Harvey	Dr Anita Ghag	10
Fri 4 Sep	15:40	15:50	Space Seven	O27	Bioengineering Education	3	138	Dr Waleed Al-Nuaimy	University of Liverpool	The Educational Digital Twin: A Scalable Framework for Pre-empting Systemic Risks in the Student Journey	Dr Alison Harvey	Dr Anita Ghag	10
Fri 4 Sep	15:50	16:00	Space Seven	O27	Bioengineering Education	4	168	Mr Sai Kumar Mattireddy	University of Leicester	Insights into human-computer interaction based on a user-centred study with people with Learning Disability and Autistic People	Dr Alison Harvey	Dr Anita Ghag	10
Fri 4 Sep	16:00	16:10	Space Seven	O27	Bioengineering Education	5	238	Mr Laith Ali	University College London	Bridging Open and Minimally Invasive Surgery: A Reusable, Reconfigurable Multi-Layered Simulator for Affordable Undergraduate Skills Training	Dr Alison Harvey	Dr Anita Ghag	10
Fri 4 Sep	16:10	16:20	Space Seven	O27	Bioengineering Education	6	39	Miss Rachel Kovacs	University of Sheffield	Delivering the UK's first module in "Women's Health in Biomedical Engineering": educator and student perspectives.	Dr Alison Harvey	Dr Anita Ghag	10