

TIMETABLE

July 04, 2022 – Monday (Day 1)	
12:30–01:30 pm	Registration
01:30–01:45 pm	Welcome note and inauguration (David Kilroy – University College Dublin, Ireland)
Session 1: Anatomy through imaging	
Session chair: David Kilroy (University College Dublin, Ireland)	
01:45–01:55 pm	Virtual dissection of the fornix and stria terminalis in young adolescents with psychotic experiences (Olivia Mosley – Royal College of Surgeons in Ireland)
01:55–02:05 pm	A computed tomography analysis of anatomical variations of the frontal sinus drainage pathway (Livashin Naidu – University of KwaZulu-Natal, Durban, South Africa)
02:05–02:15 pm	The humeral supracondylar foramen in feline species and its evolutionary significance (Eimear Byrne – University College Dublin, Ireland)
02:15–02:25 pm	The role of CDK13 in congenital heart disease in a mouse model and 3D-high resolution episcopic imaging (Qazi Waheed Ullah – University of Nottingham, UK)
02:25–02:35 pm	Correlative X-ray microtomography and light microscopy of hard tissue sections (David Mills – Queen Mary University of London, UK)
02:35–02:45 pm	3D Slicer for digital characterization of the parietal bone with evolutionary significance (Trinity Dockery – University College Dublin, Ireland)
02:45–03:15 pm	Guest speaker talk Punk microscopy: democratising discovery with accessible imaging solutions (Mark Pickering – University College Dublin, Ireland)
03:15–04:00 pm	Tea/coffee + Poster viewing
Session 2: Award lectures and Keynote talk	
Session chair: Tracey Wilkinson (University of Dundee, UK)	
04:00–04:30 pm	Dr. Sophie Miller Memorial Prize Lecture Development of a biomimetic stem cell scaffold for spinal cord repair (Cian O'Connor – Royal College of Surgeons in Ireland)
04:30–05:00 pm	Aging Cell Best Paper Award talk Tissue specificity of senescent cell accumulation during physiologic and accelerated aging of mice (Matt Yousefzadeh – University of Minnesota, USA)
05:00–06:00 pm	Keynote talk I <i>It's been bugging me</i> : The role of the microbiome in zebrafish development (Imelda McGonnell – Royal Veterinary College, UK)
06:00–06:30 pm	Poster session
06:30–08:00 pm	Reception/student social event
July 05, 2022 – Tuesday (Day 2)	
Session 3: Biomedical engineering and devices	
Session Chair: Eva Sweeney (Queen's University Belfast, UK)	
09:00–09:10 am	Investigating the potential of gelatin methacrylate (GelMA) hydrogels as a drug delivery platform for rat spinal cord injury (Ciara Walsh – University College Dublin, Ireland)
09:10–09:20 am	Slow imaging with quicksilver: high pressure mercury intrusion in dental tissues studied with BSE-SEM and XMT (Alan Boyde – Queen Mary University of London, UK)
09:20–09:30 am	In-vitro mock circulatory loop for testing and validation of novel medical devices for the treatment of heart failure with preserved ejection fraction (HFPEF) (Andrew Malone – Royal College of Surgeons in Ireland)
09:30–09:50 am	Sponsors talk – Sectra
09:50–10:10 am	Sponsors talk – Elsevier
10:10–10:30 am	Sponsors talk – 3D Organon
10:30–11:00 am	Tea/coffee + Poster viewing
11:00–11:10 am	Live cell imaging in the human oviduct: how cervical and endometrial cancer alter tubal morphology and function (Caoimhe Neville – University College Dublin, Ireland)
11:10–11:20 am	Development of a 3D scaffold-based model of the fibroglial scar formed following spinal cord injury for therapeutic screening (Martyna Stasiewicz – Royal College of Surgeons in Ireland)
11:20–11:40 am	Sponsors talk – 4D Anatomy

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11:40 am–12:10 pm	Guest speaker talk Targeting the neuroinflammatory response after spinal cord injury <i>(Dearbhaile Dooley – University College Dublin, Ireland)</i>
Session 4: Developmental anatomy	
Session chair: <i>Isabel Amado (Royal College of Surgeons in Ireland)</i>	
12:20–12:30 pm	Investigating the role of Wnt signaling in regeneration of the murine tympanic membrane <i>(Olivia Dinwoodie – King’s College London, UK)</i>
12:30–12:40 pm	Mandibular anatomy of early Glires (Mammalia) reveals a mixture of rodent-like and lagomorph-like characters <i>(Łucja Fostowicz-Frelik – Polish Academy of Sciences, Poland)</i>
12:40–01:10 pm	Journal of Anatomy Best Paper Award talk Novel concept for the epaxial/hypaxial boundary based on neuronal development <i>(Hiroschi Nagashima – Niigata University, Japan)</i>
01:10–02:00 pm	Lunch
Session 5: Flash talks	
Session chair: <i>Abigail Tucker (King’s College London (UK))</i>	
02:00–02:05 pm	Exercise interventions for sarcopenia management: a review with an anatomical perspective <i>(Hope Edwards – University of Bradford, UK)</i>
02:05–02:10 pm	Anatomical considerations in the success of surgical management strategies in the treatment of non-communicating hydrocephalus in paediatric patients <i>(Fearghal Hosty-Blaney – Queen’s University Belfast, UK)</i>
02:10–02:15 pm	A preliminary class-wide study of comparative anatomy in the mammal scapula using 3D geometric morphometrics <i>(Sophia Anderson – University of York, UK)</i>
02:15–02:20 pm	Old meets new: Student perceptions of using anatomical drawing alongside digital 3D models <i>(Emily Green – Newcastle University, UK)</i>
02:20–02:25 pm	Optogenetic Shroom3 in branching morphogenesis <i>(Natalia Penar – University of Edinburgh, UK)</i>
02:25–02:30 pm	COVID-19 and anatomy education: a systematic review <i>(Ruth Mullan – Queen’s University Belfast, UK)</i>
02:30–02:35 pm	Forward head posture and lower-limb joint moments in human gait <i>(Guohao Lin – University of Dundee, UK)</i>
02:35–02:40 pm	Do age-related differences in healthy CBA and osteoarthritic STR/Ort mouse tibias show future imaging biomarkers? <i>(Lucinda Evans – Royal Veterinary College, UK)</i>
02:40–02:45 pm	Histological and molecular assessment of adipose tissue health and its correlation with glomerular damage in the Zucker Diabetic Sprague Dawley (ZDSD) rat model of diabetic kidney disease <i>(James White – University College Dublin, Ireland)</i>
02:45–02:50 pm	The anatomical course of the azygos vein and its relationship to the thoracic duct: a human cadaveric observational study <i>(Hannah Bridgwater – University of Cambridge, UK)</i>
02:50–02:55 pm	Regional cerebellar morphometric alterations in early Parkinson’s disease <i>(Bethany Facer – University of Liverpool, UK)</i>
02:55–03:00 pm	Analysing growth of the human foetal scapula using geometric morphometrics <i>(Thomas O’Mahoney – Anglia Ruskin University, UK)</i>
03:00–03:05 pm	An investigation to assess if stretch forces influence stemness of the temporomandibular joint disc in mice <i>(Sneha Chotaliya – NHS London, UK)</i>
03:05–03:25 pm	Sponsors talk – Primal Pictures/Anatomy.tv
03:25–03:45 pm	Sponsors talk – Anatomage
03:45–04:10 pm	Tea/coffee + Poster viewing
Session 6: Keynote talks	
Session chair: <i>Iain Keenan (Newcastle University, UK)</i>	
04:15–05:15 pm	Keynote talk II The secrets of sperm storage, fertilization and early embryonic development within the female genital tract in humans and cows– and what we can learn from it <i>(Sabine Koelle – University College Dublin, Ireland)</i>
05:15–06:15 pm	Keynote talk III Pulmonary hypertension: the structure-function relationship viewed with a stereological eye <i>(Paul McLoughlin – University College Dublin, Ireland)</i>

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07:00–9:30 pm	Gala dinner
July 06, 2022 – Wednesday (Day 3)	
Session 7: Anatomical research	
Session chair: <i>Deirdre Campion (University College Dublin, Ireland)</i>	
09:00–09:10 am	Asymmetric variation of the human digastric muscles: case report <i>(Rhiannon Robinson – MGH Institute for Health Professions, USA)</i>
09:10–09:20 am	Acetabular labrum entheses and cortical bone microdamage in relation to grades of hip joint osteoarthritis: a human cadaveric study <i>(Abdulaziz Alomiery – University of Edinburgh, UK)</i>
09:20–09:30 am	Analysing murine neuroblastoma xenografts for their extracellular matrix organisation to develop a novel 3D cell culture model <i>(Ronja Struck – Royal College of Surgeons in Ireland)</i>
09:30–09:40 am	A quantitative analysis of craniofacial dysmorphology in anterior synostotic plagiocephaly patients using computed tomography <i>(Nivana Mohan – University of KwaZulu-Natal, South Africa)</i>
09:40–09:50 am	On the morphology of the human semitendinosus muscle in legs with and without distal tendon harvesting <i>(Adam Kositsky – Griffith University, Australia)</i>
09:50–10:00 am	Brainstem astrocyte Kir4.1 potassium channel expression in the rat TgF344-AD model of Alzheimer’s disease <i>(Virginia Hawkins – Manchester Metropolitan University, UK)</i>
10:00–11:00 pm	Keynote talk IV Deep learning applications in medical image analysis <i>(Kathleen Curran – University College Dublin, Ireland)</i>
11:00 am–12:00 pm	Tea/coffee + Poster viewing
Session 8: Anatomy education	
Session chair: <i>James Jones (University College Dublin, Ireland)</i>	
12:00–12:30 pm	Anatomical Society Education Innovation Award talk Collaborative dissection through the development of an online wiki positively impacts the learning of canine anatomy <i>(Michael Frill – Royal Veterinary College, UK)</i>
12:30–12:40 pm	Anatomy education and EdTech integration- a working model and the ASIC framework for assuring adaptation, standardisation, integration and compliance <i>(Joshua Owolabi – University of Global Health Equity, Rwanda)</i>
12:40–12:50 pm	3D virtual reality: A valuable tool for anatomical education <i>(Sven Reese – Ludwig Maximilian University of Munich, Germany)</i>
12:50–01:00 pm	Digitalising anatomy assessments: Dental students’ perceptions of 3D and cadaveric spotters <i>(Hannah Swainson – Newcastle University, UK)</i>
01:00–01:10 pm	Developing a novel three-dimensional brainstem neuroanatomy teaching application using cadaveric specimens <i>(Rahul Shah – University of Cambridge, UK)</i>
01:10–01:20 pm	Does teaching anatomy online with 3D digital models enhance student’s learner gain and satisfaction as compared to 2D images? <i>(Noor Haddad – St. George’s, University of London, UK)</i>
01:20–02:20 pm	Lunch
Session 9: Miscellaneous topics	
Session chair: <i>Sourav Bhattacharjee (University College Dublin, Ireland)</i>	
02:20–02:30 pm	Anatomical basis of intracranial meningiomas referred for preoperative embolisation: A retrospective chart review <i>(Vensuya Bisetty – University of KwaZulu-Natal, South Africa)</i>
02:30–02:40 pm	An anatomical study of the variations of the orbital blood supply in terms of origin – a South African perspective <i>(Kentse Mpolokeng – University of Cape Town, South Africa)</i>
02:40–02:50 pm	Prizes/awards
02:50–03:00 pm	Closing remarks <i>(Sourav Bhattacharjee – University College Dublin, Ireland)</i>