



University of
Strathclyde
Glasgow



BORS 2026 Annual Meeting

8–9th September 2026

Technology and Innovation Centre
University of Strathclyde, Glasgow

PROGRAMME

BORS 2026 Local Organising Committee

Dr Philip Riches, Dr Jonathan Williams (University of Strathclyde)

Dr David Hamilton (Glasgow Caledonian University)

Prof Matthew Dalby, Mrs Claire Carberry (University of Glasgow)

Dr Ian Kennedy (Queen Elizabeth University Hospital)

Prof Jon Clarke (NHS Golden Jubilee)



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Sponsors



Day 1 – Tuesday 8th September 2026

Time	Programme
08:30–09:00	Registration Opens
09:00–09:10	Welcome
09:10–10:50	Session 1: Clinical Orthopaedics Session chair: Ian Kennedy 
09:10–09:40	Keynote 1: Translational orthopaedics ...are we there yet ?? Neal Millar, Professor of Orthopaedics, University of Glasgow. Academic Consultant Orthopaedic Surgeon, Queen Elizabeth University Hospital
09:40–09:50	Inequalities in the use of total hip replacement to treat hip fracture: a population-based study James Webster
09:50–10:00	The gut microbiome as a reservoir of pathogens and antimicrobial resistance in orthopaedic infection Christopher Deacon
10:00–10:10	Patient-Specific Periprosthetic Fracture Risk Calculator in Total Hip Arthroplasty: A Multicenter Update Milos Brkljac
10:10–10:20	Population-level associations of BMI and physical activity with chronic pain, osteoarthritis, and joint replacement of the hip and knee: a standardisation analysis of UK Biobank Marcus Beasley
10:20–10:30	The effects of tourniquet use on postoperative complications after ankle fracture fixation: a multicentre comparative cohort study using propensity score weighting Muhammed Alanie
10:30–10:40	Antidepressants, Frailty, and Perioperative Opioid Consumption in Primary Total Hip Arthroplasty: A Single-Centre Cohort Study Christopher Gee
10:40–10:50	Synovial fluid biomarkers and proteomic signatures associated with clinical response to Arthrosamid® in knee osteoarthritis Karina Wright
10:50–10:55	Sponsor presentation – A New Paradigm in Knee OA Treatment: Synovial Mechano-Modulation with Arthrosamid® Philip Kusk PhD, Senior Project Manager, Contura
10:55–11:05	Poster flash presentations
11:05–11:45	Coffee & Posters
11:45–13:25	Session 2: Engineering / Biomechanics Session chair: Phil Riches 
11:45–12:15	Keynote 2: Shape Matters in Orthopaedics: Understanding Osteoarthritis Risk and Outcomes Dr Jenny S. Gregory, Senior Lecturer, School of Medicine, Medical Sciences and Nutrition, University of Aberdeen
12:15–12:25	Improving trabecular microarchitecture representation in a structural whole-bone adaptation framework using a Voronoi network Muhammad Yusril Sulaiman
12:25–12:35	Comparison of markerless and marker-based motion capture accuracy benchmarked against biplane videoradiography Lauren Swain
12:35–12:45	Multimodal imaging provides structural evidence for biomechanical alterations in decellularised tendon scaffolds Anthony Herbert

Time	Programme
12:45–12:55	Gait analysis following Anterior Cruciate Ligament primary repair with Internal Bracing versus reconstruction Phil Riches
12:55–13:05	Ceramic Hip Resurfacing Maintains Physiological Femoral Bone Strain Compared with a Cemented Stem: A Biomechanical Study Milos Brkljac
13:05–13:15	Patient-specific finite element analysis of osteochondral autograft: press-fit stability and contact restoration under in vivo derived kinematics Roberto Leonardo
13:15–13:25	Characterising in-vivo lumbar disc mechanics using MRI and biplanar videoradiography David Williams
13:25–14:30	Lunch & Posters
14:30–15:20	BORS Presidential Lecture: ‘Futurescoping’ Translational Research in Orthopaedics (from BORS Boomers to BORS Gen Z to BORS Gen Alpha) Professor Hamish Simpson
15:20–16:00	Coffee & Posters
16:00–17:40	Session 3: Clinical Technology Session chairs: Prof Jon Clarke and Prof Christopher Gee 
16:00–16:30	Keynote 3: Robotic TKA: Evolution or Revolution? Mr Akash Sharma, Consultant Knee Surgeon, Royal Orthopaedic Hospital, Birmingham; President, CAOS UK
16:30–16:40	Predicting Early Aseptic Loosening in Total Knee Arthroplasty Using Longitudinal Deep Learning Rory Ormiston
16:40–16:50	Evaluating a 3D freehand ultrasound and motion capture fusion technique for patellofemoral kinematic assessment Caterina Vanelli Coralli
16:50–17:00	Evaluation of ankle joint structure in chronic ankle instability using ultrasound imaging and shear wave elastography. Kimia Rezaei Fard
17:00–17:10	Real-Time Tibial Force Sensing for Intraoperative Characterisation of Posterior Cruciate Ligament Tension in Cruciate-Retaining Total Knee Arthroplasty Alistair Lawley
17:10–17:20	Functional pelvic orientation affects acetabular assessment and clinical interpretation in structural hip disorders Mingke You
17:20–17:30	Geometric Analysis of Surface Changes in Total Ankle Replacement Polyethylene Inserts Claire Brockett
17:30–17:40	TET2 Clonal Haematopoiesis may be linked to impaired recovery following Total Hip Replacement, a multimodal analysis Ines Reichert
19:00	BORS Bash - Conference Dinner and Welcome Drink <i>University of Strathclyde Students' Union</i> Dinner served from 19:30

Day 2 – Wednesday 9th September 2026

Time	Programme
08:30–09:00	Registration Opens
09:00–10:40	Session 4: Biology Session chair: Prof Matt Dalby 
09:00–09:30	Keynote 4: Biofilms at the Interface: Understanding and Tackling Infection in Orthopaedic Implants Prof Gordon Ramage, Professor of Infection Prevention & Control, ReaCH, Glasgow Caledonian University
09:30–09:40	Sex Based Differences in IPSC Derived Nociceptor Responses to Osteoarthritic Synovial Fluid Ryan Jones
09:40–09:50	Type I Interferon Signalling Drives Stromal-Immune Crosstalk and Dendritic Cell Activation in Tendinopathy Clara Burgy
09:50–10:00	Unlocking the origin of Benninghoff arcades: is strain-directed alignment the architect of the stratified organisation of mature articular cartilage? Ilyas Khan
10:00–10:10	Beyond Hormonal Changes: Bone Mineral Nanostructure as a Critical Determinant of Osteogenic Impairment in Postmenopausal Osteoporosis Mostafa Khabooshani
10:10–10:20	Sex and hormonal status regulation of joint pathology, pain behaviour and DRG neuroimmune responses in early osteoarthritis Carmen Huesa
10:20–10:30	Integrated Lipidomic and Metabolomic Profiling Reveals Stage Dependent Changes and Metabolic Signatures Associated with Clinical Response Following Autologous Chondrocyte Implantation Yumna Ladha
10:30–10:40	Tissue of Origin Defines Transcriptional States in Osteoarthritis-Derived Mesenchymal Stem Cells Antonia Vogt
10:40–10:50	Poster flash presentations
10:50–11:35	Coffee & Posters
11:35–11:50	BORS-BJR Travelling Fellowship 2027 Update David Williams + Chloe Scott (Editor-in-Chief, Bone & Joint Research)
11:50–13:05	Orthopaedic Cell Therapies: From GMP Manufacturing to NHS Delivery Session chair: Jonathan Williams Sponsored by MAINSTREAM 
11:50–12:05	Navigating GMP Manufacturing in Advanced Cell Therapy Development Dr Diana Martínez Redondo, Senior Scientist, Process Development and GMP Translation, Histocell S.L. CDMO
12:05–12:20	Value by design in advanced therapy development Thomas Strakosch, Health Economics and Market Access Lead, Cell and Gene Therapy Catapult
12:20–12:35	From Vein to Vein: The NHS Cellular Therapy Pathway Dr Samantha Carmichael MRCPharm, Lead Pharmacist, Clinical Trials / Research & Innovation / Advanced Therapy Medicinal Products Research & Innovation, NHS Greater Glasgow and Clyde
12:35–13:05	Panel discussion and audience Q&A
13:05–14:35	Lunch & Posters + BORS AGM

Time	Programme
14:35–16:05	Session 5: Bioengineering and Translational Session chair: David Hamilton 
14:35–15:05	Keynote 5: Clinical Confidence from Biomechanical Modelling Prof Chloe Scott, Consultant Orthopaedic Surgeon, Royal Infirmary of Edinburgh, Honorary Professor, Imperial College London
15:05–15:15	Proteomic Profiling of Osseointegration in an Ovine Femoral Condyle Model Sasza Nabilla
15:15–15:25	Impact of International Transport on Clinical Osteochondral Allograft Viability and Integrity: A Controlled Comparison Tomas Link
15:25–15:35	Cellular Response to Implant-Delivered Ultrasound Cosmo Prince
15:35–15:45	Assessing the bioactive profile of antifungal-loaded calcium sulphate against fungal biofilms Mark Craig Butcher
15:45–15:55	Cam Deformity Cartilage as a Regenerative Cell Source: Biological Characterisation and Evaluation of Arthroscopic Harvest Techniques Ben Woodhouse
15:55–16:05	Healikick: Translational development of acellular and cellular approaches to bone grafting for non-union bone repair Peter Childs
16:05–16:20	Awards & Closing Ceremony