

Thurs, 10th July

8:45 - 9:30	Morning Coffee
9:30 - 9:40	Welcoming Remarks
9:40 - 10:15	Yasmine Belkaid <i>Immunological Control of Host Physiology</i>
10:15 - 10:35	Catherine Helbing <i>Characterization of a host susceptibility factor for maternal-fetal listeriosis</i>
10:35 - 10:55	Break
10:55 - 11:30	Helen Mott <i>Investigation of the HR1 domains of protein kinase C-related kinase (PKN1)</i>
11:30 - 11:50	Dandan Guan <i>NAA40 and NAC cooperate in co-translational histone acetylation in humans</i>
11:50 - 12:25	Javier Pizarro-Cerda <i>Yersinia pestis & plague: revisiting the history and genomic landscape of a pandemic tueur</i>
12:25 - 13:15	Lunch and Poster Session
13:15 - 14:15	Workshop: Spinning Out Scientific Research
14:15 - 14:50	John Diffley <i>How DNA replication initiates and what happens when it goes wrong</i>
14:50 - 15:10	Federico Fassetta <i>High-throughput testing of human replisome dynamics at repetitive DNA sequences</i>
15:10 - 15:30	Break
15:30 - 16:05	Claire Higgins <i>Hair follicles. What's sensory got to do with it?</i>
16:05 - 16:25	Yuetong Jia <i>Automated fluorescence microscopy imaging system with deep learning analysis of mitochondrial morphology for rapid drug response assessment</i>
16:25 - 17:00	Diana Arseni <i>The ABC of TDP-43</i>
From 18:30	Formal Hall at Homerton College

Fri, 11th July

8:45 - 9:20	Morning Coffee
9:20 - 9:25	Welcoming Remarks
9:25 - 10:00	John Briggs <i>Studying the structure and maturation of HIV-1 using cryo-electron microscopy</i>
10:00 - 10:20	Olivia Smith <i>Structural studies of a cell-surface biofilm adhesin from a pathogenic bacterium</i>
10:20 - 10:55	José Zarco Jiménez <i>Euk.oli: A eukaryotic-inspired prokaryotic model for orthogonal resource allocation</i>
10:55 - 11:15	Break
11:15 - 12:15	3 Minute Thesis Competition
12:15 - 13:15	Lunch and Poster Session
13:15 - 14:15	Workshop: From margins to center: the role of diversity in science and beyond
14:15 - 14:35	Joe Parham <i>Temporal and spatial coordination of DNA segregation and cell division in an archaeon</i>
14:35 - 15:10	Roni Levin Konigsberg <i>Phagocytes: Hungry After an All-You-Can-Eat Buffet – Maintaining Function Amidst Continuous Clearance</i>
15:10 - 15:30	Puck Näsman Norell <i>Mix & Match at the N-terminus: New insights into LC3 proteins in autophagy</i>
15:30 - 16:00	Break
16:00 - 16:35	Viktor Lukacs <i>Targeted cellular evolution identifies new sensory receptor proteins</i>
16:35 - 16:55	Katherine Pardo <i>Characterizing cell-type-specific isoforms using long-read transcriptomics to enhance rare disease variant detection and interpretation</i>
16:55 - 17:30	Kathryn S. Lilley <i>Unveiling the Complexities of Cellular Mechanisms: Beyond Protein Expression</i>
17:30 - 18:00	Final Remarks
From 18:30	Pub Trip

Posters

1	Study of pH-regulated amino acid transport via SLC7A4 <i>Anuja Bothra</i>
2	In depth investigation and characterisation of a novel drug against <i>Chlamydia trachomatis</i> infection <i>Camille Dos Santos-Toinet</i>
3	Chronic hepatitis B virus infection and xenobiotics exposure at the crossroads of an atypical presentation of hepatocellular carcinoma <i>Claudia Monge</i>
4	GlueSEEKER: Molecular Glue Screening using a novel E3 Ligase for Neosubstrate Degradation <i>Eleanor Thompson</i>
5	Glueseecker®: Revolutionising Molecular Glue Discovery <i>Elizabeth Nock</i>
6	Does calcitonin-like signalling regulate feeding behaviour in <i>C. elegans</i>? <i>Isabel Conze</i>
7	RNA editing is a regulator of synaptic transmission in coleoid cephalopods <i>Joseph Gehler-Rahman</i>
8	Advancing genome synthesis: Improving recombination of large genomic constructs <i>Julieta Molina Flores</i>
9	Characterizing cell-type-specific isoforms using long-read transcriptomics to enhance rare disease variant detection and interpretation <i>Katherine Pardo</i>
10	Identifying Kv7.1 channels as a critical link between G-protein coupled receptor activation and glucagon-like peptide-1 secretion <i>Linxia Li</i>
11	Identifying Novel Regulators of Adipocyte Lipolytic Response using Dynamic Subcellular Proteomics <i>Meghna Birla</i>
12	Structural studies of a cell-surface biofilm adhesin from a pathogenic bacterium <i>Olivia Smith</i>
13	Development of a fibre-based platform for SIM imaging in unconventional environments <i>Rebecca McClelland</i>
14	COVID-19 vaccination induces cross-neutralisation of sarbecoviruses related to SARS-CoV-2 <i>Rebecca Morse</i>
15	Identifying synaptic activity populations during plasticity at single-synapse resolution <i>Roshni Deepa Ray</i>
16	Mechanisms of Qbeta bacteriophage infection and replication in <i>E. coli</i> using single-molecule studies <i>Sammi Ta</i>
17	Structure of the human telomerase dimer reveals H/ACA RNP mediated dimerization <i>Sebastian Balch</i>
18	Correlating SARS-CoV-2 Spike Abundance with Fusion Kinetics <i>Sina Sommer</i>

19	Restoring Sensation following Peripheral Nerve Injury using Biohybrid Neural Interfaces <i>Sydney Swedick</i>
20	Wraiths of Ruin: the Hunt for Cross-Reactive Antibodies using AI <i>Tung H Nguyen</i>
21	Investigating the crosstalk between Tau and the autophagy-lysosomal pathway <i>Valentine Thomas</i>
22	Source of Antigenic Peptide Ligands for MHC-I Presentation <i>Xinwen (Sophia) Hu</i>

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