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| Thursday 29th September | |
| 8:30 | **Registration and Poster setup** |
| 9:25 | **Welcome session** |
| SESSION 1 | |
| 9:30 | Ilya Levental University of Virginia USA  *The molecular and structural asymmetries of living membranes* |
| 10:00 | Neus Sanfeliu-Cerdán ICFO Spain  *A viscoelastic maturation of MEC-2/Stomatin condensates underlies transport and mechanotransduction* |
| 10:15 | Felix J. Meigel MPI-PCS Germany  *Single particle kinetics describe organelle signalling pathway dynamics* |
| 10:30 | Liam Holt New York University USA  *Phase transitions control, and are controlled by, the biophysical properties of the cell interior* |
| 11:00 | ***Coffee break*** |
| Bragg Lecturer | |
| 11:40 | Tony Hyman MPI-CBG Germany  Biomolecular condensates in cell physiology and disease |
| 12:25 | **Lunch and Poster session** |
| SESSION 2 | |
| 14:00 | Albert Cardona MRC-LMB UK  *The mind of a maggot* |
| 14:30 | Clare Buckley University of Cambridge UK  *Building and breaking the neural tube* |
| 15:00 | Veronica Biga University of Manchester UK  *Multiscale, dynamic and spatially-periodic coordination of gene expression in spinal cord progenitor cells* |
| 15:15 | Pavan Ramdya EPFL Switzerland  *Reverse-engineering Drosophila action selection and limb movement control* |
| 15:45 | ***Coffee break*** |
| SESSION 2 | |
| 16:15 | Rashmi Priya Francis Crick Institute UK  Sculpting the Heart – multiscale interactions between Form, Forces, Fate and Function |
| 16:45 | Qiyan Mao Aix Marseille University France  Tension-driven multi-scale self-organisation in human iPSC-derived muscle fibers |

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| SESSION 2 cont. | |
| 17:00 | Julien Vermot Imperial College London UK  *Biomechanics and mechanotransduction during cardiac morphogenesis* |
| 17:30 | **Drinks and Poster Session** (*followed by dinner party at St Catherine College*) |

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| Friday 30th September | |
| SESSION 4 | |
| 9:30 | Edouard Hannezo IST Austria  *Interplay between stem cell fate, tissue geometry and cell mechanics* |
| 10:00 | Matthew Turner University of Warwick UK  *Deconstructing collective motion* |
| 10:15 | Tzer Han Tan MPI-MCG Germany  *Emergent chirality in active solid rotation of pancreas sphere* |
| 10:30 | Anna Erzberger EMBL Germany  *Surface mechanics and interface effects in the mouse embryo* |
| 11:00 | ***Coffee break*** |
| SESSION 5 | |
| 11:30 | Laura Machesky University of Glasgow UK  *Eating and walking - how cells sense and meet their energy demands* |
| 12:00 | Leone Rossetti Institute of Bioengineering of Catalonia Spain  *Collective migration of cells in minimal leader-follower systems under optogenetic control* |
| 12:15 | Elias Barriga IGC Portugal  *Collective cell motion during tissue morphogenesis* |
| 12:45 | **Lunch and Poster session** |
| SESSION 6 | |
| 14:00 | Nikta Fakhri MIT USA  Nonreciprocal living matter |
| 14:30 | Adrien Hallou University of Cambridge UK  Spatial mechano-transcriptomics of the early mouse embryo |
| 14:45 | Shannon Taylor University of Oxford UK  ‘Live modelling’ to understand zebrafish axial elongation |
| 15:00 | Timothy Saunders University of Warwick UK  Experimental and theoretical approaches to understanding cell shape changes during tissue morphogenesis |
| 15:30 | ***Coffee break*** |
| SESSION 7 | |
| 16:00 | Kate Miroshnikova NIH USA  *Nuclear deformation modulates stem cell fate by altering chromatin accessibility and gene expression* |
| 16:30 | Maria Alcolea Cambridge Stem Cell Institute UK  *Epithelial cell fate plasticity; an oesophageal tale* |
| 17:00 | **Prizes & closing remarks** |