

Monday 27 March

	Early Career Satellite Event (Postdocs and PhD Students only) - Location: The Auditorium
9:00 AM - 9:10 AM	Introduction and welcome Dr Peter Adams, University of Leeds
9:10 AM – 9:30 PM	Biomimetic actin cortices shape cell-sized lipid vesicles Lucia Baldauf, University College London
9:30 AM – 9:50 AM	Structural analysis of the influenza genome by high-throughput single virion DNA-PAINT Christof Hepp, University of Oxford
9:50 AM – 10:10 AM	Mapping nanostructural changes in E.coli Peptidoglycan Abimbola Feyisara Olulana, University of Sheffield
10:10 AM – 10:15 AM	Protein-RNA condensates: complementary or competing interactions in ALS progression? Mark Driver, University of Groningen

<p>10:15 AM – 10:20 AM</p>	<p>Experimental investigation of non-classical excited-states energy transfer dynamics in green fluorescent protein tandem assemblies using time-resolved fluorescence anisotropy Alejandro Sanchez-pedreno Jimenez, University of Surrey</p>
<p>10:20 AM – 10:25 AM</p>	<p>Bioelectric control of locomotor gaits in the walking ciliate Euplotes Hannah Laeverenz-Schlogelhofer, University of Exeter</p>
<p>10:25 AM – 10:30 AM</p>	<p>A neutron diffraction study finds that Trimethylamine-N-oxide drives urea out of a β-turn's solvation shell. Mazin Nasralla, University of Leeds</p>
<p>10:30 AM – 11:10 AM</p>	<p>Tea and coffee break and ECR Registration Location: Level 5 and 6</p>
<p>11:25 PM – 11:45 PM</p>	<p>Exploring the shared membrane tension responsive machinery which controls cell migration and division Joseph Hetmanski, University of Manchester</p>
<p>11:45 PM – 12:05 PM</p>	<p>Identification of the source of extrinsic noise from the stochastic dynamics of gene expression Marta Biondo, University of Turin and INFN</p>
<p>12:05 PM – 12:25 PM</p>	<p>Direct, nano-rheological studies of in-plane lipid dynamics in model and native membranes William Trewby, Durham University</p>

<p>12:25 PM – 12:30 PM</p>	<p>CellPhe: a toolkit for cell phenotyping using time-lapse imaging and pattern recognition Laura Wiggins, University of York</p>
<p>12:30 PM – 12:35 PM</p>	<p>Root angle is controlled by EGT1 in cereals employing a novel anti-gravitropic mechanism Jacob Pattem, Nottingham University</p>
<p>12:35 PM – 12:40 PM</p>	<p>Investigating the role of SMC proteins and CTCF in gene expression by HiP-HoP simulations of degron experiments Cleis Battaglia, University of Edinburgh</p>
<p>12:40 PM – 12:45 PM</p>	<p>Optimal control theory in cancer chronotherapy Byron Tzamaras, University of Warwick</p>
<p>12:45 PM – 12:50 PM</p>	<p>The Antagonistic effect of Oxysterols in ClyA pore formation pathway Samlesh Choudhury, Indian Institute of Science Banagalore</p>
<p>12:50 PM – 12:55 PM</p>	<p>Broadband Cavity Enhanced UV-VIS Absorption Spectroscopy for Picolitre Liquid Samples Imogen Fermor-Worth, University of Exeter</p>
<p>12:55 PM – 1:00 PM</p>	<p>Fast fingerprint of insulin structure and stability assessment with A-TEEM (Absorbance-Transmission Excitation Emission Matrix) spectroscopy Giorgia Marucci, HORIBA UK</p>