

## BIOPOL satellite meeting

Ahead of the PhysCell2018 conference you may want to join ITN-BIOPOL network for its Satellite Meeting which will be held on Monday 3<sup>rd</sup> September, from 9:00 am until 1:00 pm in The Carriage Room. A selection of BIOPOL fellows will present the main outcomes of their 3-years research projects focusing on cell mechanics and biochemical signalling in polarized cells.

ITN-BIOPOL is an interdisciplinary European training network at the interface of cell biology, physics and engineering dedicated to the training of 16 PhD students. Within one joint training program, BIOPOL has assembled a multidisciplinary consortium, including scientists from the fields of molecular/developmental cell biology, membrane physics, engineering as well as specialists from the private sector. The scientific objectives focus on understanding fundamental mechanisms of cellular mechanosensing, mechanics of the actomyosin cortex and mechanochemical regulation of cell polarity including tissue formation (<https://www.sheffield.ac.uk/itn-biopol>).

08:50 – 09:00	WELCOME (ITN-BIOPOL coordinator)
09:00 – 09:30	<b>TALK 1: Ilaria Di Meglio, <i>University of Geneva</i></b> "Epithelial cell proliferation under 3D constraint"
09:30 – 10:00	<b>TALK 2: Larisa Venkova, <i>Institut Curie</i></b> "Cell volume regulation in response to deformations"
10:00 – 10:30	<b>TALK 3: Shada Abuhattum, <i>JPK Instruments AG</i></b> "AFM-based microrheology to quantify viscoelastic properties of cells"
10:30 – 11:00	<i>Coffee break</i>
11:00 – 11:30	<b>TALK 4: Lokesh Pimpale, <i>TU Dresden</i></b> "Active torque generation by actomyosin cytoskeleton drives chiral cell-cell re-arrangements"
11:30 – 12:00	<b>TALK 5: Sara Tan, <i>University of Sheffield</i></b> "Interplay between cell packing and planar cell polarity"
12:00 – 12:30	<b>TALK 6: Nicola Pellicciotta, <i>University of Cambridge</i></b> "Role of hydrodynamic forces in the synchronisation of mammalian cilia"
12:30 – 13:00	<b>TALK 7: Victor Jiménez, <i>CNIC</i></b> "Caveolin1 as a link between mechanotransduction and cell homeostasis: integrative systems-level approaches"