

# Biological and Soft Matter Group Meeting

Wednesday at 15:00 in Chloroplast (S-03), NCBS

Please keep research talks to a maximum of 1h 30m, and all paper presentations to 45m maximum

## Winter Term, 2017

07 Dec	Raj Hosein	Interacting Passive Advective Scalars in an Active Medium
14 Dec	Suman Das	<i>Journal Club:</i> ■ Information Capacity of Specific Interactions <a href="https://doi.org/10.1073/pnas.1520969113">[doi:10.1073/pnas.1520969113]</a>
18 Jan	Jemseena V.	Ageing in Microtubule Catastrophe; Causes and Consequences
25 Jan	Raj Hosein Alkesh Yadav	<i>Journal Club:</i> ■ Active Brownian Particles moving in a random Lorentz gas <a href="https://arxiv.org/abs/1611.07892">[arXiv:1611.07892]</a> ■ Parameter Space Compression Underlies Emergent Theories and Predictive Models <a href="https://doi.org/10.1126/science.1238723">[doi:10.1126/science.1238723]</a>
08 Feb	Debajit Goswami	<i>Journal Club:</i> ■ Exclusion and Hierarchy of Time Scales Lead to Spatial Segregation of Molecular Motors in Cellular Protrusions <a href="https://doi.org/10.1103/PhysRevLett.118.018102">[doi:10.1103/PhysRevLett.118.018102]</a>
15 Feb	Alkesh Yadav	Sequential Chemical Processing and Information Optimization in Golgi Complex
22 Feb	Amit Singh	<i>Journal Club:</i> ■ Diffusion of a Protein: the Role of Fluctuation-Induced Hydrodynamic Coupling <a href="https://arxiv.org/abs/1611.02580">[arXiv:1611.02580]</a>

## Summer Term, 2017

01 Mar	Anupam Singh	The Role of Compartments and Their Interactions in Intracellular Traffic
08 Mar	Amit Singh	Hydrodynamic Interactions and Active Fluctuations
15 Mar *	Sarika C. K. (IISc, Bangalore)	Role of Solution Thin Film Instabilities in Nano-Scale Self-Assembly
22 Mar	Rituparno Mandal	<i>Journal Club:</i> ■ Self-driven Jamming In Growing Microbial Populations <a href="https://doi.org/10.1038/nphys3741">[doi:10.1038/nphys3741]</a>
29 Mar	Quentin Vagne	Stochastic Model of Vesicular Sorting in Cellular Organelles
05 Apr	Kabir Husain Amit Das	<i>Journal Club:</i> APS Meeting (March 2017): Highlights and Discussion
11 Apr *	Ankita Jha (Aix-Marseille Université)	Quantitative Control of GPCR Signalling by Endocytosis in Epithelial Morphogenesis
19 Apr	Dimple Notani	Role of Transcriptional Enhancers in Gene Regulation
03 May *	Sami Al-Izzi (University of Warwick)	Osmotic Instabilities and Organelle Biogenesis
10 May	Debsankar Banerjee	Dynamics of Cell Junction in Tissue Morphogenesis

\* Invited speakers