



MOLAB – IISc joint meeting
3rd July 2023
10:00-13:00 (GMT+2)

- 10:00 – 10:10 ***Brief Introduction to our research teams***
Mohit K. Jolly and Víctor M. Pérez García
- 10:10 – 10:30 ***Quantifying epithelial-mesenchymal state transition dynamics from flow cytometry data***
Parais Jain (IISc)
- 10:30 – 10:50 ***Flow cytometry data from relapsing leukemia patients: a statistical and topological approach***
Salvador Chulián (MOLAB, UCA)
- 10:50 – 11:10 ***To be or not to be: Uncovering the Interplay between phenotypic robustness and plasticity in gene regulatory networks***
Kishore Hari (IISc)
- 11:10 – 11:30 ***Exploring the relationship between chromosomal instability, karyotype diversity and tumour evolution in leukemia patients***
Carmen Ortega Sabater (MOLAB, UCLM)
- 11:30 – 11:50 ***Mathematical modelling of tamoxifen resistance, immune evasion and lineage plasticity in ER+ breast cancer***
Sarthak Sahoo (IISc)
- 11:50 – 12:10 ***From Math to Mice: peering into glioma therapy optimization through a mesoscopic glass***
Juan Jiménez Sánchez (MOLAB, UCLM)
- 12:10 – 12:30 ***Dynamical modelling of proliferative-invasive plasticity and IFN γ signaling in melanoma reveals mechanisms of PD-L1 expression heterogeneity***
Seemadri Subhadarshini (IISc)
- 12:30 – 12:50 ***Deciphering the dynamics of a living drug: mathematical modelling of immunotherapy***
Álvaro Martínez Rubio (MOLAB, UCA)
- 12:50 – 13:00 ***Final remarks***