

Biology-inspired Physics at MesoScales (P. Silberzan)



- + Axis 1: Controlling and programming biological living matter.
- ++ Axis 2: Emergence of spatial and temporal organization in living matter.
- + Axis 3: Information processing and dynamics of biological active matter.
- Axis 4: Driving evolution within living systems.

Team expertise:

- Experimental biological physics
- Collective cell behaviors
- Microfabrication
- Multiscale micro-environment
- Active Matter

Question of Interest and/or Collaboration wanted:

- Impact of the microenvironment on cell populations: micro-scale vs. meso-scales
- 2D-to-3D transition
- topological defects and conflicts of orientation