

Light-based Observation and Control of Cellular Organization (LOCCO)

PCC-UMR168 , Institut Curie



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Enlife Axis:

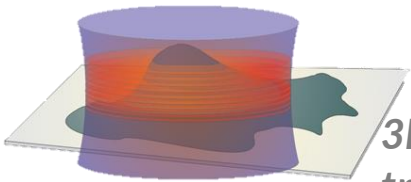
Axis 1: Controlling and programming biological living matter.

Axis 2: Emergence of spatial and temporal organization in living matter.

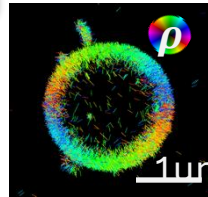
Axis 3: Information processing and dynamics of biological active matter.

Team expertise:

IMAGING



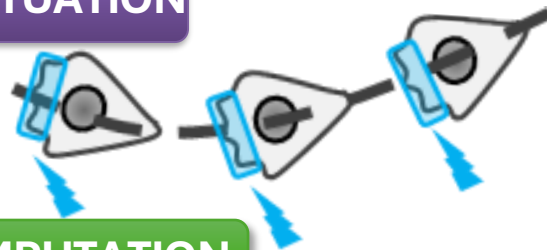
3D Imaging & tracking



Single molecule localization and orientation microscopy

ACTUATION

Optogenetics

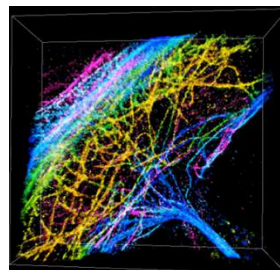
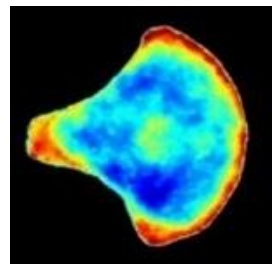


COMPUTATION

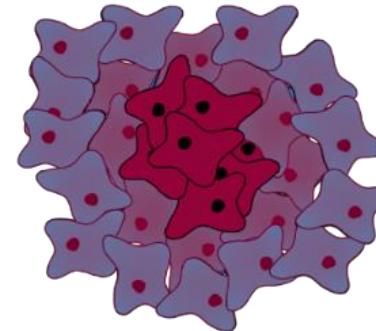
Physical properties

Physical models

Visualization



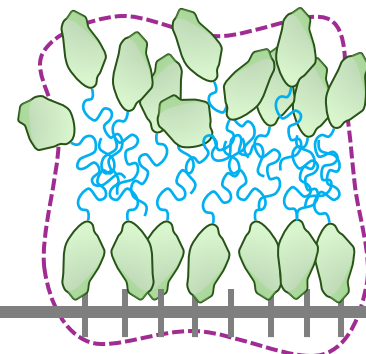
Research Interest:



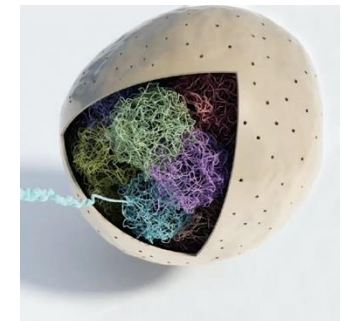
Bioelectricity



Advanced microscopy and data analysis



Nanocondensates



Nuclear Organization and dynamics