

CytoMorpho Lab

Paris (IPGG, CBI)

Grenoble (IRIG, LPCV)



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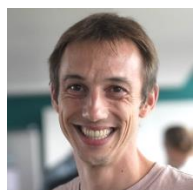
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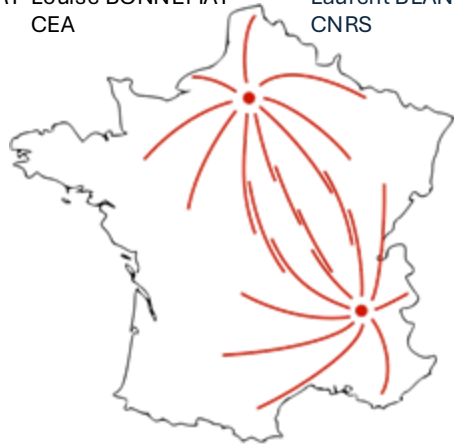
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www.CytoMorphoLab.com

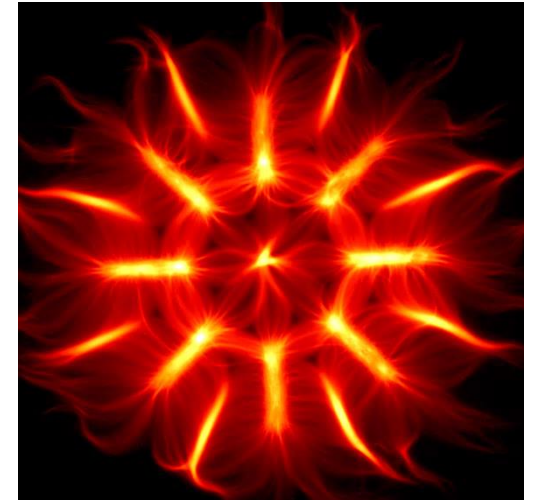
Team expertise:

- Surface micropatterning, microwells, microfluidic.
- Cell culture, imaging, video-microscopy.
- Purification of cytoskeleton proteins.
- Reconstitution in vitro of dynamic networks of filaments and motors.

Axis 1: Controlling and programming biological living matter.

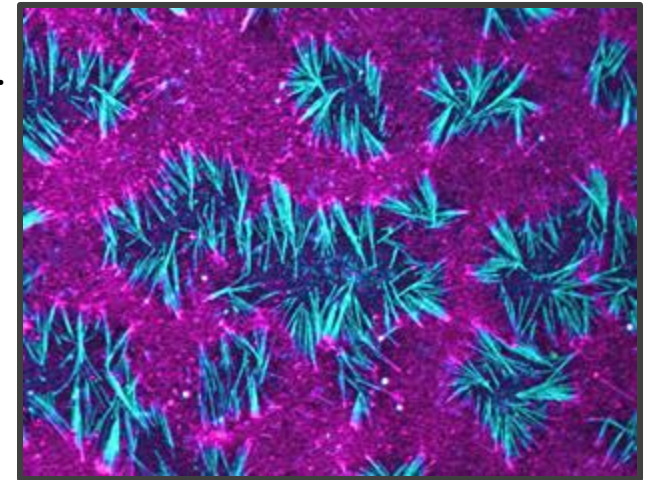
Cytoskeleton network adaptation to spatial boundary conditions

- in vitro reconstitution
- in living cells.



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

- Emergence of shape and polarity.
- Force balance in dynamic steady-states.



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

Memory of shape
Motion persistence

