

Master project 2020-2021

Personal Information

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Group	Dynamical Systems Biology

Project

Computational systems biology

Project Title:

Self-organization and decision making in cells and tissues

Keywords:

Developmental processes, microbiology, autoimmune diseases, single-cell behavior, dynamics

Summary:

We offer research projects devoted to understanding, using mathematical modeling, how cells make decisions and how cellular populations self-organize in time and space. The specific system and biological process to be studied will depend on the interest of the student and the availability of data/questions from our own lab and the labs of our international collaborators, at the time of the project design.

Expected skills::

Programming experience in Python, C or Julia would be useful, but it's not essential.

Possibility of funding::

No

Possible continuity with PhD: :

Yes
