



Postdoc opening: theoretical physics of curved multi-cellular systems

A postdoctoral position is available immediately in my lab at the Center for Theoretical Physics (CPT) in Marseille, France. The project will study the interactions of tissue flows with curvature in the fruit fly embryo, in a collaboration with the developmental biology team of Thomas Lecuit. A combination of analytical approaches, experimental data analysis, and computer simulation will be employed to examine how tissue-scale changes in Gaussian curvature interact with cell-scale processes during fly embryogenesis.

A recent preprint from our collaboration is available here:

<https://www.biorxiv.org/content/10.1101/2022.07.13.499934v1>

The two-year position is fully funded by the Alan Turing Center for Living Systems (CENTURI, <http://centuri-livingsystems.org/>), an interdisciplinary research hub in Marseille that brings together physicists, biologists, engineers, and mathematicians. To apply for the position in my group (<http://centuri-livingsystems.org/m-merkel/>), please send cover letter, cv, and email addresses of two references to matthias.merkel@cpt.univ-mrs.fr. Applications will be considered continuously until the position is filled.

Please do not hesitate to contact me for any informal inquiry regarding this offer.

