



COLLOQUE

Organized by: Thomas LECUIT (Paris)

Growth and Form

Lundi 19 juin 2023

COLLÈGE
DE FRANCE
— 1530 —

CHAIRE
DYNAMIQUES
DU VIVANT

Année
académique
2022/2023

PROGRAMME

9h-18h – Maurice Halbwachs, site Marcelin Berthelot

- 09h00 Thomas Lecuit, Collège de France
Welcome
- 09h10 Karen Alim, TU Munich, Germany
Flows adapting shape and function
- 09h50 Tâm Mignot, LCB, Marseille, France
Modeling multicellular transitions in social bacteria
- 10h30 Coffee break
- 11h00 Prisca Liberali, FMI, Basel, Switzerland
Design principles of tissue organization
- 11h40 Jérôme Gros, Pasteur Institute, Paris, France
Mechanical feedback in embryonic self-organization
- 12h20 Lunch
- 14h00 Diana Pinheiro, IMP, Vienna, Austria
Shaping tissues via dynamic signaling gradients
- 14h40 Guillaume Salbreux, Univ. Geneva, Switzerland
Active flows in three-dimensional cell aggregates
- 15h20 Adrienne Roeder, Cornell University, USA
Mechanisms generating robustness in the morphogenesis of sepals
- 16h00 Coffee break
- 16h30 Jochen Rink, MPI Goettingen
On growth and form in planarian flatworms
- 17h10 Jonathan Rodenfels, MPI CBG Dresden
Energetics of biological systems
- 17h50 **Conclusions**