



04 octobre 2021

Journée François Jacob Beauté mathématique du vivant

Amphithéâtre Guillaume Budé

Programme

Ouvert au public en demi-jauge, dans la limite des places disponibles.

09h30 Welcome, seminar opening

09h40 A Language Whose Characters are Triangles

Rob PHILLIPS, *California Institute of Technology, Pasadena, États-Unis*

10h10 The Mathematics of the Diversification of Life

Hélène MORLON, *École Normale Supérieure, Paris, France*

10h40 Break

11h Why are Complex Biological Systems Stable? New Insights from Ecological Theory*

Michel LOREAU, *Theoretical and Experimental Ecology Station, CNRS, Moulis, France*

11h30 Network Morphology to Store Memory

Karen ALIM, *Technische Universität München, Max Planck Institute for Dynamics and Self-Organization, Göttingen, Allemagne*

12h Break

14h Toward a Virtual Embryo: A Multidisciplinary Journey

Hervé TURLIER, *CIRB, Collège de France, CNRS, Paris, France*

14h30 Scaling in Embryonic Development: How to Adjust Pattern with Size?*

Naama BARKAI, *Weizmann Institute of Science, Rehovot, Israël*

15h Mechano-Chemical Models of Cell Migration and Morphogenesis

Edouard HANNEZO, *Institute of Science and Technology, Klosterneuburg, Autriche*

15h30 Break

16h Formation of Avian Skin Patterns

Marie MANCEAU, *CIRB, Collège de France, CNRS, Paris, France*

16h30 Shaping the Body, Shape in the Brain: Geometry and Biology*

L. MAHADEVAN, *Harvard University, Cambridge, États-Unis*

17h X Chromosome Inactivation: When the Noncoding Genome Rescues Sex Differences in Chromosome Dosage

Claire ROUGEULLE, *prix Lacassagne, CNRS, université de Paris, France*

* These talks will happen via zoom

Ces interventions auront lieu via zoom