



CENTURI

TURING CENTRE
FOR LIVING SYSTEMS

The Turing Centre for Living Systems (CENTURI) recruits new group leaders.

CENTURI brings together leading institutes in **biology, physics, mathematics, computer science and engineering** to **decipher the complexity and dynamics of living systems**. CENTURI offers an exceptional international environment for the development of **interdisciplinary** projects, in **developmental biology, immunology and neurosciences**.

Five overarching questions underpin the interdisciplinary research effort:

- ▶ How does genetic information impact on cell fates?
- ▶ How do signaling dynamics impact on cell differentiation?
- ▶ How is information encoded in collective cellular dynamics?
- ▶ How do networks of cell interactions form and function collectively?
- ▶ How does mechanics impact on cell and tissue organization and dynamics?

CENTURI is mainly located in the Luminy campus of Aix-Marseille University and is affiliated to **Aix-Marseille University, CNRS, INSERM and École Centrale Marseille**.

CENTURI seeks to attract outstanding physicists, mathematicians or computer scientists with a theoretical and/or computational biology project.

The selected candidates, who are expected to bridge biology and other disciplines will be affiliated to **two institutes** and will be offered **competitive funding**.

Applicants should send a curriculum vitae with a complete list of publications, a 2- page summary of research achievements and projects in English, and the names and addresses of three references to **Thomas LECUIT** (info@centuri-livingsystems.org), before **February 26th, 2018**.

Short listed candidates will be invited to submit a full proposal by **22nd April**, and for an interview in **May**.

Research institutes in CENTURI

- ▶ Developmental Biology Institute of Marseille (IBDM, UMR 7288)
- ▶ Mediterranean Institute of Neurobiology (INMED, UMR 1249)
- ▶ Center of Immunology of Marseille- Luminy (CIML, UMR 7280)
- ▶ Adhesion & Inflammation Lab (LAI, UMR 1067, UMR 7333, U1006)
- ▶ Theories and Approaches of Genomic Complexity (TAGC, UMR1090)
- ▶ Bacterial Chemistry Laboratory (LCB, UMR7283)
- ▶ Interdisciplinary Centre of Nanosciences of Marseille (CINaM, UMR 7325)
- ▶ Centre of Theoretical Physics (CPT, UMR 7332)
- ▶ Institut Universitaire des Systèmes Thermiques Industriels (IUSTI, UMR 7343)
- ▶ Institut de Recherche sur les Phénomènes Hors Equilibre (IRPHE, UMR 7342)
- ▶ Laboratoire Mécanique et Modélisation, Procédés Propres (M2P2, UMR 7340)
- ▶ Fresnel Institute (UMR 7249)
- ▶ Institute of Mathematics of Marseille (I2M, UMR 7373)
- ▶ Computer and System Sciences Laboratory (LIS, UMR 7279)

