

Integrative and quantitative biology network

The **INFORM** program sets up an **inter-disciplinary consortium** gathering 11 groups from 4 research institutes on campus (IBDM, CIML, LAI, AFM). The objective is to understand, through collaborations between biologists and physicists, the biochemical and mechanical basis of cell signaling in both normal and pathological conditions.

For this purpose, we aim at:

- ▶ Developing innovative quantitative imaging techniques
- ▶ Developing new tools to monitor signaling *in vivo*
- ▶ Building quantitative models of signaling
- ▶ Linking these models with physiological functions

We seek to build an **interdisciplinary research community** through a combination of:

- ▶ Collaborative research projects
- ▶ Innovative training
- ▶ International networking through workshops and seminars

The Labex INFORM is looking for talented and highly motivated students interested in interdisciplinary approaches to decipher biological processes (please visit the website for more details on the research projects). Students with background in biology, physics, engineering or applied mathematics/informatics, are highly encouraged to apply. Students enrolled in the PhD Program at the Labex INFORM will benefit of a three year fully funded fellowship starting October, travelling fellowship, specific training and personal mentoring in extremely well resourced laboratories with state of the art core technology facilities.



Developmental Biology
Institute of Marseille



Centre for Immunology
of Marseille Luminy



Laboratory of Adhesion
and Inflammation



Structure and Assembly
of membrane proteins by
Atomic Force Microscopy

<http://labex-inform.com/>



BIOTRAIL

The **Labex INFORM** supports the Biotrail program in the frame of **the Académie d'excellence, Aix-Marseille Université**. INFORM Labex is funded by the « Investissements d'Avenir » French Government program managed by the French National Research Agency (ANR-11-LABX-0054).

<http://sciences.univ-amu.fr/biotrail>

