

# Integrative and quantitative biology network

The **INFORM** program sets up an **interdisciplinary 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.



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

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 7 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 **four year fully funded fellowship starting October 2014**, travelling fellowship, specific training and personal mentoring in extremely well resourced laboratories with state of the art core technology facilities.

<http://labexinform.wordpress.com/>



## BIOTRAIL

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Apply before:

**March 17, 2014**

Interview week:

**May 12-16, 2014**

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

