



# INSTITUTE FOR ADVANCED BIOSCIENCES

UMR 1209



BIOLOGY

HEALTH

Epigenetics

Chronic diseases

Cancer

Infertility

Infectious diseases

Epidemiology

## KEY FIGURES:

**124** permanent researchers  
and lecturers**115** technical and  
administrative staff**241** PhD students and  
postdoctoral researchers**226** publications per year  
(on average)**18** patents over the last  
5 years

## OVERVIEW

The *Institute for Advanced Biosciences* (IAB) conducts fundamental and translational biomedical research aimed at improving human health by better understanding of how the environment—at all scales from molecules to populations—shapes the development and fate of biological systems.

To achieve this, IAB has developed a scientific strategy based on a unique combination of expertise across the entire biological continuum, from molecules to populations (including genetics, epigenetics, cell biology, cell-matrix interactions, molecular pathology, host-pathogen interactions, immunology, environmental epidemiology, oncology, etc.).

## RESEARCH TOPICS

- Prevention, early detection, and experimental therapy of cancer.
- Genetics, epigenetics, physiology, and therapies for infertility.
- Host-pathogen interactions, metabolism, and immunity against parasitic infections.
- Early-life exposome and its relationship with development and respiratory health.

