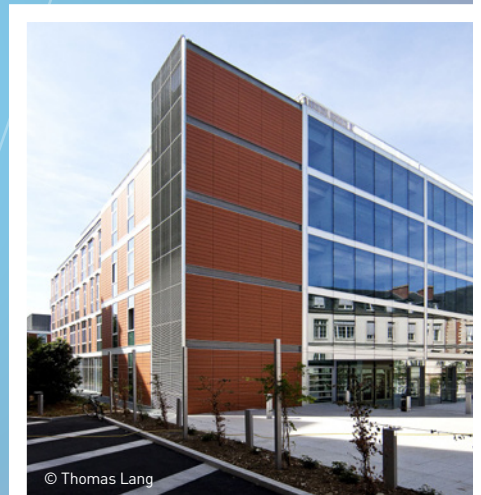


Pasteur Microbes & Santé (Pasteur Microbes & Health)

Pasteur MS, located at the heart of Institut Pasteur, Paris, is addressing societal and economical health challenges, with a global perspective. Through an interdisciplinary research and integrative approach, Pasteur MS aims to provide a better understanding of the fundamental mechanisms of host/pathogen interactions and microbes' impacts on human health. Its ultimate goal is to foster the development of innovative products, in partnerships with biotechnology and healthcare industries, in the therapeutic, diagnostic and vaccines fields.



A Scientific excellence committed to medicine and health

Target markets

- Anti-infectious
- Vaccines
- Personalized medicine
- Medical biotechnologies
- Innovative medical devices
- Big data
- Innovations in food industry
- Probiotics
- Cosmetic industry
- Environment

An interdisciplinary and integrative research

In addition to the six research departments showing expertise in the field of infectious diseases (Cell Biology & Infection - Infection & Epidemiology - Microbiology - Mycology - Parasites and Insect Vectors - Virology), Pasteur MS gathers 3 research units from the Immunology department (Antibodies in Therapy and Pathology - Immune regulation and Vaccinology - Microenvironment and Immunity) and cutting-edge technological platforms through the new Institut Pasteur's Centre for Innovation & Technological Research (Citech).

Combining a unique know-how with an integrative approach, Pasteur MS aims to offer to its industrial partners relevant answers to major economic and public health issues, in the following challenging topics:

- ➔ Microbiota and Non-communicable Diseases
- ➔ Early, rapid and sensitive Diagnostics tools
- ➔ Emerging and Re-emerging diseases
- ➔ Nosocomial infectious Diseases and antibiotic resistance
- ➔ Therapeutic strategies targeting the host – personalized medicine



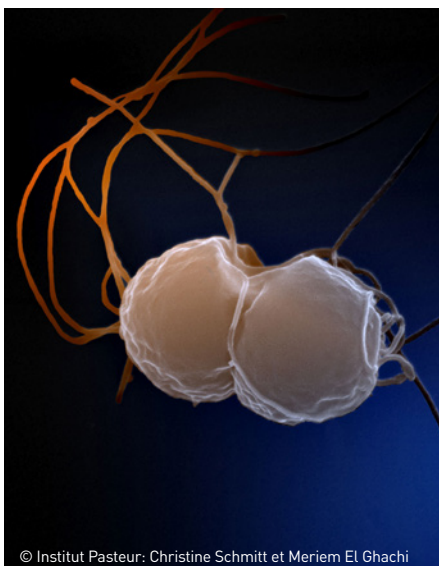
A technological hub, providing expertise for outsourcing and to develop collaborative R&D projects

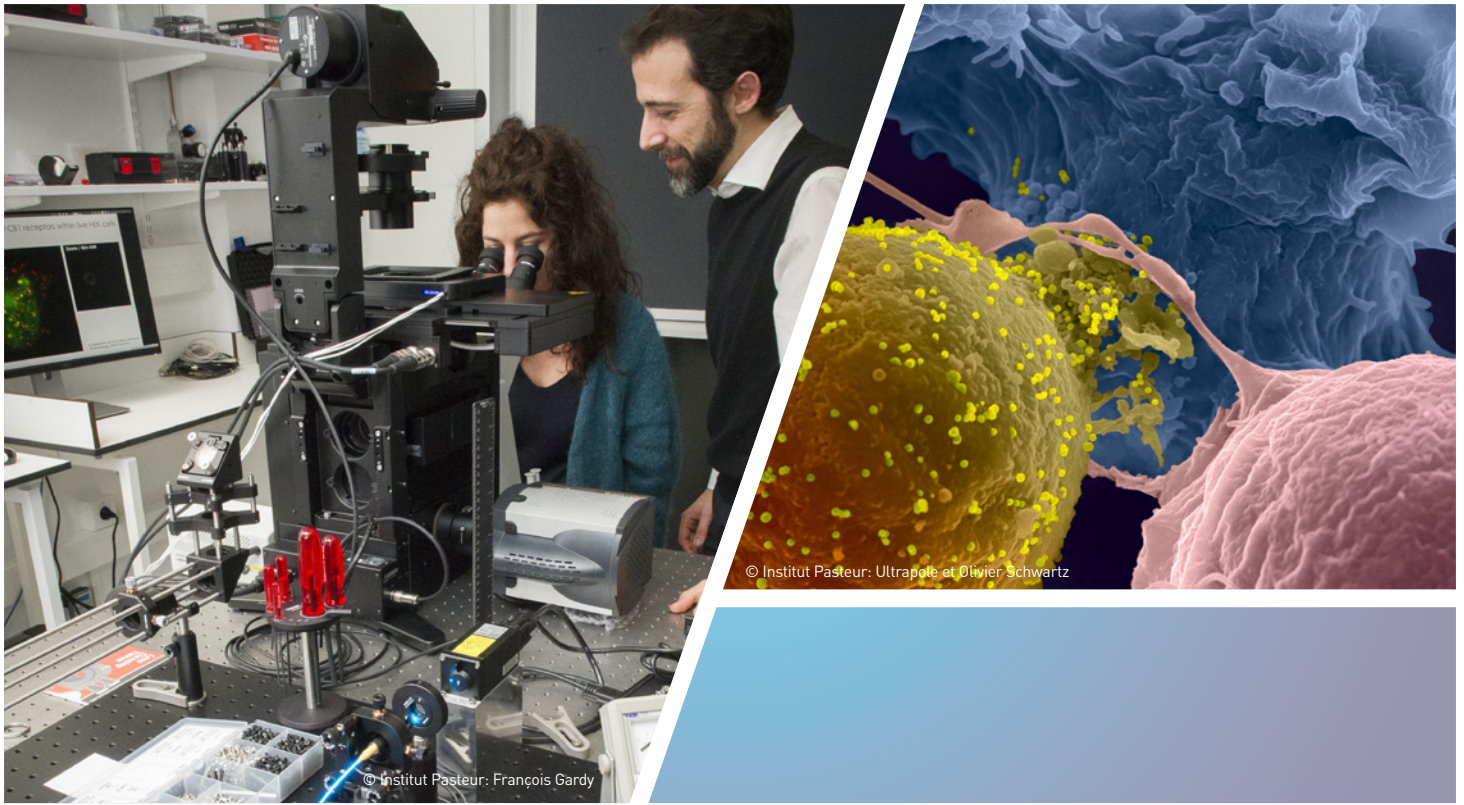
The Center for Innovation & Technological Research (Citech) organizes and maintains technological core facilities at the state of the art. Citech acts as a central technological hub for the teams of the Pasteur MS, to develop, give access to and share cutting-edge technology equipment, expertise and training.

Over 75 people are operating cutting-edge facilities in the fields of:

- ➔ Light microscopy, in-vivo imaging
- ➔ Electron microscopy
- ➔ "Omics" technologies, as NGS and Mass spectrometry
- ➔ Protein science: biophysics, crystallography, recombinant protein productions, antibody engineering
- ➔ Chemogenomic screening, HTS, HCS
- ➔ Biomaterials and microfluidics

Citech is also hosting the Pasteur techLab, an open laboratory dedicated to technological research projects.



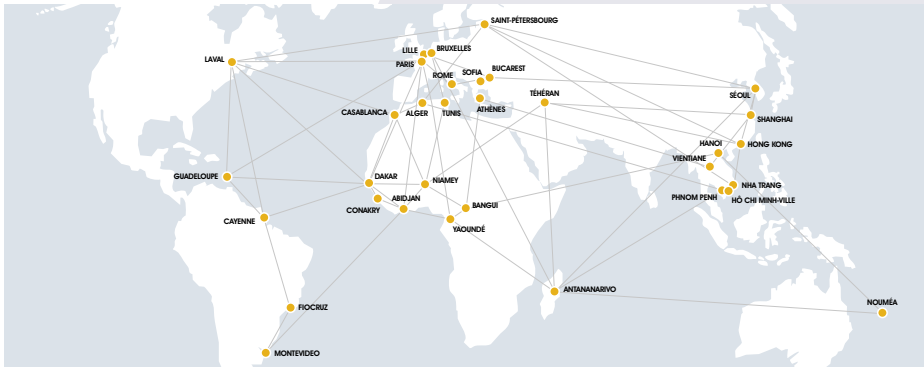


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An internationally recognized stakeholder

- ➔ Leading collaborative projects with international partners, to advance research in life sciences
- ➔ Coordinating the « GLOBAL CARE Initiative », which gathers five Carnot Human Health Institutes (Calym, Curie Cancer, ICM, Pasteur MS, Voir et Entendre)
- ➔ Associated with a unique global international network (RIIP), that gathers 33 "Instituts Pasteur" around the five continents, to acquire deep knowledge of local fields and from research at the heart of endemic areas. This large network provides new opportunities for abroad public-private partnerships all over the world



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Institut Pasteur

www.instituts-carnot.eu



From bench to bedside

- ➔ New imaging strategies, as in-vivo and super-resolution imaging
- ➔ Delivery systems and vaccine applications
- ➔ Biomarkers for diagnostic and therapeutic approaches
- ➔ Innovative *in-vitro* and *in-vivo*, in-silico, models

Research staff (full-time equivalent): **1 001**
 including PhD students: **146**

Partnership incomes with industry: **22 M€**
 Global budget : **95 M€**

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