



Pierre and Marie Curie University

www.upmc.fr

UPMC
SORBONNE UNIVERSITÉS

UPMC: Part of Sorbonne University

Sorbonne University is one of the most comprehensive university centers in the country.

This cluster of five establishments was awarded the “Excellence Initiative” from the French government, and represents an important change in French higher education by covering a complete range of academic domains.

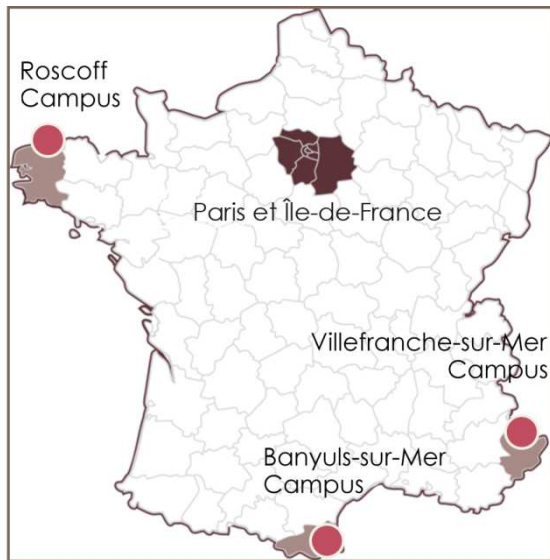
More on [Sorbonne University](#)

Sorbonne University Members

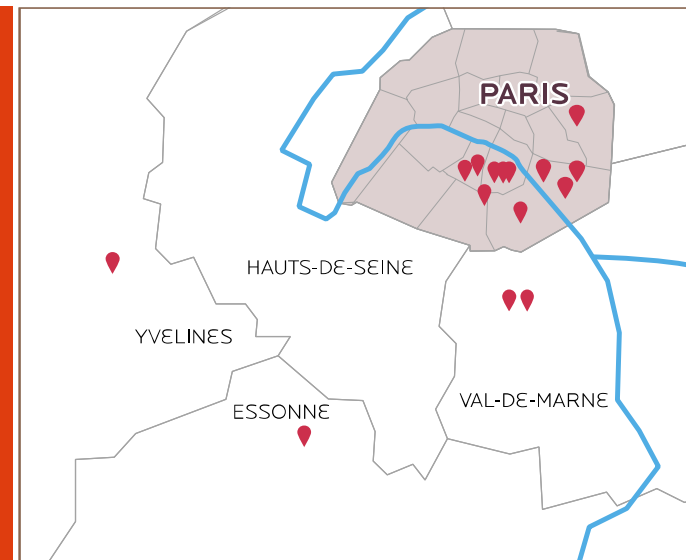
- ▶ Pierre and Marie Curie (science & medicine)
- ▶ Paris-Sorbonne (humanities)
- ▶ Muséum National d'Histoire Naturelle (science)
- ▶ INSEAD Business School
- ▶ Compiègne University of Technology

UPMC: Pierre and Marie Curie University

- 1st French university in the Shanghai international ranking
- 6th European university
- Award-winning faculty: 2010 Fields Medal, gold and silver National Research (CNRS) medals...
- More than a quarter of the faculty are members of the French Academy of Sciences



UPMC:
In 4 regions
of France



The Jussieu Campus : in the heart of Paris



UPMC: The largest scientific and medical complex in France

- ▶ **32,000 students** of which there are:
 - ▶ 21,000 in the sciences
 - ▶ 11,000 in medicine
 - ▶ 6,400 international students
- ▶ **3,300** PhD students
- ▶ **Number 1 network** for university documentation in France
- ▶ **10,500 staff**, of which 4,500 are faculty professors and researchers
- ▶ **1,000 high-level athletes**
- ▶ **4 museum collections**, hundreds of works of art

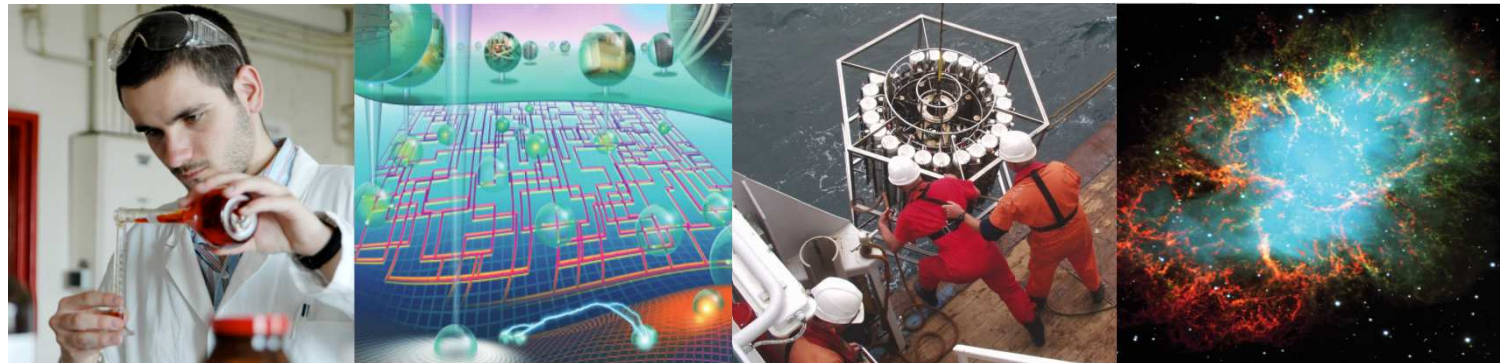


UPMC: The largest scientific and medical complex in France

▶ In Sciences

7 research and teaching faculties: chemistry, engineering, mathematics, medicine, physics, life sciences, Earth sciences, environment and biodiversity

- ▶ A University engineering school: Polytech Paris-UPMC
- ▶ The Paris Institute of Statistics: ISUP
- ▶ The Paris Institute of Astrophysics
- ▶ The Henri Poincaré Institute (Mathematics)
- ▶ 3 marine laboratory stations: at Roscoff, Banyuls-sur-Mer and Villefranche-sur-Mer

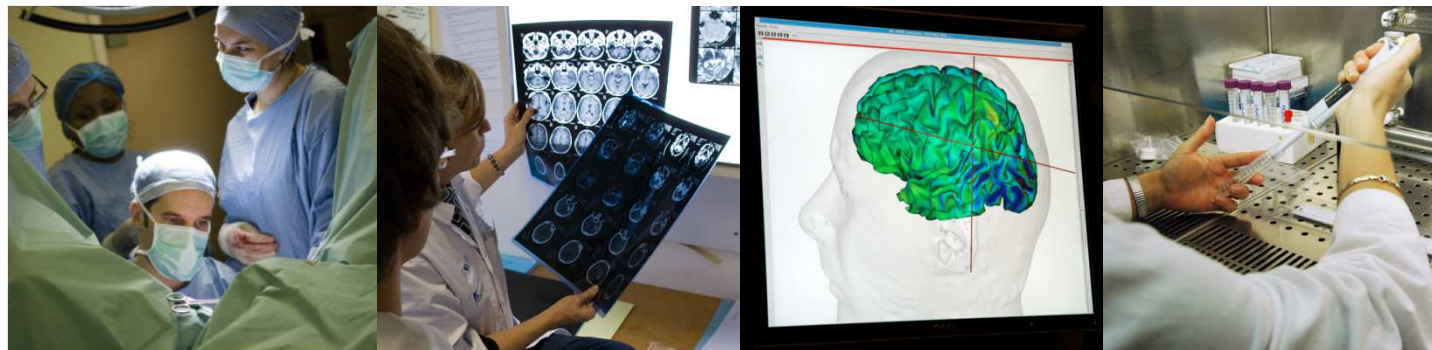


UPMC: The largest scientific and medical complex in France

▶ In Medicine and Healthcare

- ▶ Demanding medical courses to become practicing clinicians
- ▶ A Midwifery School
- ▶ Paramedical education in speech therapy, orthoptics, psychomotor therapy
- ▶ Cooperation with 12 nursing institutes

Close collaboration between the University Hospital system and the Paris public hospitals: Pitié Salpêtrière, Saint-Antoine, Tenon, Trousseau, Charles Foix-Ivry, Rothschild, Quinze-vingts; and numerous agreements signed with other medical organizations



UPMC: High-level Undergraduate Courses in Science and Medicine

▶ Bachelor's in 9 Domains

- ▶ Chemistry
- ▶ Computer Sciences
- ▶ Electronic Engineering
- ▶ Mechanical Engineering
- ▶ Mathematics
- ▶ Physics
- ▶ Earth Sciences
- ▶ Life Sciences
- ▶ Natural Sciences

▶ Vocational Bachelor's in 17 Specialties

▶ 3 Double Majors

- Physics & mathematics
- Computer science & applied mathematics
- Biology & mathematics

▶ 8 Double Degrees in partnership with other establishments

- Science and Design
- Science and Economy
- Science and Law
- Science and History
- Science and Musicology
- Science and Philosophy
- Science and Social Science
- Science and Linguistics



UPMC: High-level Master Courses in Science and Medicine

Master's in 11 Domains and 72 Specialties



- Integrative Biology and Physiology
- Molecular and Cellular Biology
- Chemistry
- Computer Sciences
- Rehabilitation and Medical Engineering
- Applied Mathematics
- Applied Physics
- Public Health and Social Sciences
- Engineering Sciences
- Sciences of the Universe, Environment and Ecology
- Knowledge and Innovation Management

UPMC: Research organization and facts

- ▶ **400 M€** devoted to scientific research
- ▶ **10 500** staff members, including 4 500 teaching and research personnel
- ▶ **125** research laboratories, mainly collaborating with CNRS and INSERM, INRA, IRD, IFREMER, ...
- ▶ **3 300** PhD students
- ▶ **19** doctoral schools gathered around the Institute for doctoral Training (IFD)
- ▶ Divided into **4** inter-disciplinary areas: Modeling and engineering ; Energy, matter and the universe ; Living Earth and environment ; Life sciences and health

Latest prizes and awards

Fields Medal 2010 :
Cedric Villani

Irène Joliot-Curie Award 2010 :
Alessandra Carbone

CNRS Silver Medal 2010 :
Gavin Salam

CNRS Gold Medal 2009 :
Serge Haroche

Nobel Prize in Medicine 2008 : Françoise Barré-Sinoussi

UPMC, part of the European University Community

UPMC is active in the development of EU policy and reinforces the European Research Area's priorities.

UPMC participates in EU networks, (LERU, EUA, and others), to establish and apply standardized higher education and research practices.

Supporting UPMC Researchers

- ▶ A dedicated **Office of European Affairs**
- ▶ **Scientific, judicial, financial and communications support** for research proposals
- ▶ **Project coordination**

UPMC: An international strategy

Developing strategic, privileged partnerships around the world with

4 major axes of cooperation:

1. **EUROPE:** Involvement in university networks (LERU, UNICA, EUA) and many European projects (Erasmus, Erasmus Mundus, Leonardo, Grundvig, Comenius, EIT...)
2. **AMERICA:** reinforcement of scientific and training collaborations with BRAZIL (PLI – Programme de Licences Internationales, Science sans Frontières, and various research projects). Participating in mobility Networks and building scientific collaborations with USA and Canada
3. **FRENCH-SPEAKING AREAS:** Maghreb (Coordination of the EMMAG Erasmus Mundus Action 2 programme, TEMMAG-Tempus), Canada (EU-Canada Excellency project in chemistry), Vietnam (Computer Sciences Maths)
4. **MIDDLE and EAST ASIA:** reinforcement of the relations with United Arab Emirates, Singapore, China (Bachelor in Sciences at Sorbonne Abu Dhabi, 4 Erasmus Mundus Action 2 programs with Asia)

UPMC: An international influence

Research:

- 170 international research cooperation agreements
- 3 UMI, 30 LIA/LEA, 28 GDRI/GDRE
- 300 PhD co-supervisions with foreign universities
- Welcoming of 300 invited researchers

Student mobility:

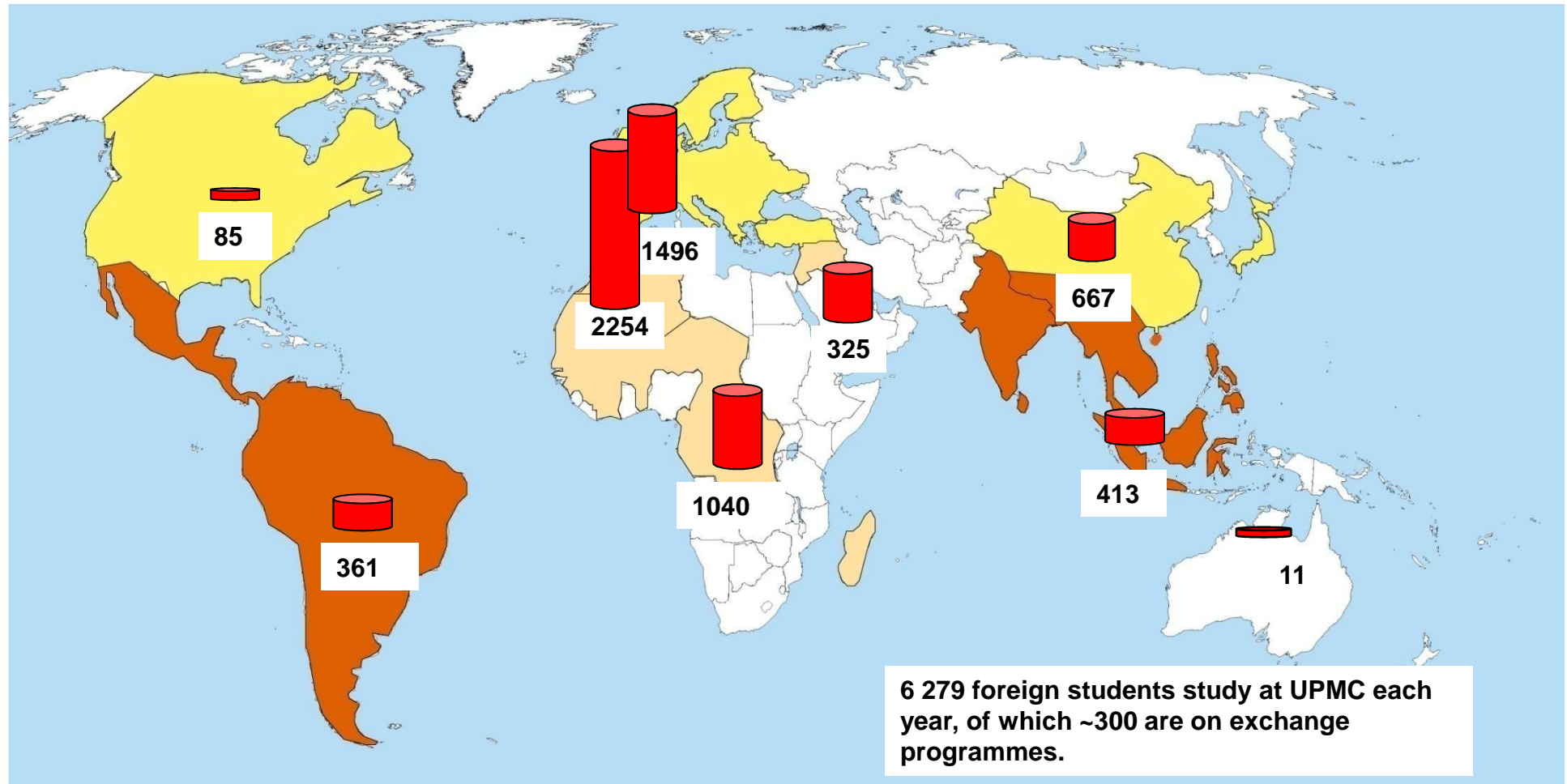
- 250 European university having an Erasmus partnership with UPMC
- UPMC member of MICEFA, TASSEP, CREPUC networks
- 76 mobility agreements in 11 countries outside Europe
- 3 UPMC masters implanted internationally (Vietnam, Lebanon, **Egypt**)

UPMC: 28 international programs

- One semester study abroad for French and international students => Double degree
- Program of studies jointly developed by several universities
- Assessment system recognized by all partner universities
- Recognition of the study abroad period
- Issue of a diploma supplement or a double degree
- Mobility period for teaching staff

- ▶ 4 international undergraduate programs
- ▶ 20 international master programs
- ▶ 4 international doctorate programs

UPMC: Welcoming of international students



Mediterranean students at UPMC

Among the 6 279 foreign students, many are from Mediterranean country. In 2014,

Students from Europe:

- Italy: 292, Spain: 149, Germany: 146, Portugal: 110, Greece: 67, Croatia: 5

Students from the South on the Mediterranean Sea:

- Algeria is the most represented nationality with **855 students**
- Morocco: 519, Tunisia: 416, Turkey: 42, Egypt: 35, Albania: 20

International Programs

1 Undergraduate Program:

- Chemistry: Universidade de Lisboa

19 Master Programs with Mediterranean countries

- International Master program in Mechatronic Systems for Rehabilitation got the **OMJ Label** « Office Méditerranéen pour la Jeunesse »
 - Università degli Studi di Brescia
 - UPMC

4 doctoral programs

TEMPUS-TEMMAG

UPMC coordinated the **TEMPUS** Maghreb program from 2008 to 2011 in collaboration with 6 universities from Maghreb & 2 from Europe. This program aimed to reinforce the quality of doctoral higher education by encouraging strong communication between the partners, exchange of good practices and the creation of cooperation.

The partnership:

- Université de Sfax
- Université de Monastir
- Université Mohammed V-Souissi de Rabat
- Université Cadi Ayad de Marrakech
- Université M'Hamed Bougara de Boumerdès
- Université d'Oran
- Université Libre de Bruxelles
- Université Autonome de Barcelone
- Université Pierre et Marie Curie

Erasmus Mundus- EMMAG

Created in the spirit of cooperation and exchange between Europe, the Maghreb and Egypt, **EMMAG is a mobility programme in higher education**, funded by the European Commission. EMMAG will provide nearly 260 scholarships at all levels.

To set up this programme, 20 universities from Europe (France, Spain, Greece, Italy, and Czech Republic) from Maghreb (Algeria, Morocco, and Tunisia) and from Egypt got into partnership with the aim of developing a high-quality consortium and university exchanges.

This program targets students with academic excellence at undergraduate, master, doctoral and post-doc levels from all fields of study as well as academic and administrative staff.

A scenic view of the Paris skyline along a river, likely the Seine. In the foreground, a white boat is docked at a pier. The middle ground is filled with lush green trees. In the background, several buildings are visible, including a tall blue skyscraper on the left and the iconic Gothic architecture of Notre-Dame de Paris on the right. The sky is a clear, light blue with a few wispy clouds.

Thank You