

EDUCATION DEPARTMENT

**Pasteur-Paris University
International Doctoral
Program (PPU)**

2009 - 2018: 10 YEARS !!!



Institut Pasteur



PPU



Stewart Cole,
Institut Pasteur President

In 2009, the Institut Pasteur created the Pasteur-Paris University International Doctoral Program (PPU) to attract motivated students from all over the world and train them in life sciences. Since the start of the program, in partnership with four major Parisian Universities, 62 students have graduated and 55 are currently on campus, for a total of 117 students enrolled. Our institution is proud to support such a program that reinforces some key characteristics of our campus, such as its dynamism and openness to multicultural interactions. For the Institut Pasteur, education is a crucial mission, since it allows scientific knowledge and Pasteur's values to spread. Along this line, the PPU is part of the 2019-2023 strategic plan of our institution.



Institut Pasteur



Alice Dautry,
Institut Pasteur President, 2005-2013

When I became President of the Institut Pasteur, it struck me that in this beautiful international research institution, we had calls to recruit international scientists but not PhD students. The energy, culture diversity and enthusiasm that young students could bring and the experience that they could gain from being trained at the Institut Pasteur were missing. This is what prompted us to initiate the PPU program. I am most grateful to the presidents of universities in Paris, Paris Descartes, Paris Diderot, Sorbonne Université, and later on Paris Sud, who were immediately convinced and have been, with the professors of their universities, very involved in the program from the beginning. I would

also like to thank the numerous colleagues at the Institut Pasteur who enthusiastically got involved and were so generous with their time, with special thanks to Isabelle Saint-Girons who was responsible of the Education Department. We started modestly, with 5 students, and with the help of generous donors who got convinced, in 10 years, the program has trained 117 students from all over the world. Now, as when the program was initiated, when I have a chance to meet and have a conversation with some of the students, I am delighted to see all these young talents gathered and to witness their creativity and independence developing. Happy birthday and long life to the PPU program!



Susanna Celli
Dean of the PPU program

10 years, a very good story! It is a pleasure to consider the PPU steady growth and count the students' awards. Both illustrate that the program is fulfilling its goals: to welcome bright students from all over the world, grow their talents and bring them to excellence. The recipe for this success is not a mystery: a strong and transparent selection process, innovative teaching methods, and of course, the stimulating and dynamic environment of Institut Pasteur. In this context, the PPU students acquire a deep knowledge, diverse technical skills and an independent thinking. For me, it is an honor and a pleasure to manage this program. I feel highly gratified to support our students' development during their PhD years and to work for a program that further spreads the reputation of Institut Pasteur internationally. My deepest wishes go to the PPU for many more years of a successful journey.



Monica Sala
Director of the Education Department

The Education Department is strongly involved in creating an appropriate environment for the professional development of PhD students on the campus, for example with the implementation of high-level courses in all areas of life sciences in a teaching center specialized in teaching practical and theoretical science. As Director of Education, I have always strongly supported the PPU program, which is one of the major strengths of our training activities in scientific research. In addition to the scientific skills of these students, we could always greatly appreciate their energy, enthusiasm and strong involvement in campus life.



Michaela Müller-Trutwin
Chef Unité : HIV, Inflammation and Persistence
First Dean of the PPU program

I would like to deeply thank all the people that agreed 10 years ago to serve in the Graduate office at a time when the PPU only existed on paper and who contributed to construct the program as it is today: Carmen Buchrieser, Deshmukh Gopaul, Paul Lazarow, Melissa Laird Smith, & Paulo Vieira, with a special thank to Isabelle Saint-Girons and Lisa Riffaud.

Retreat 2009
Institut Pasteur



Retreat 2018
Le Touquet

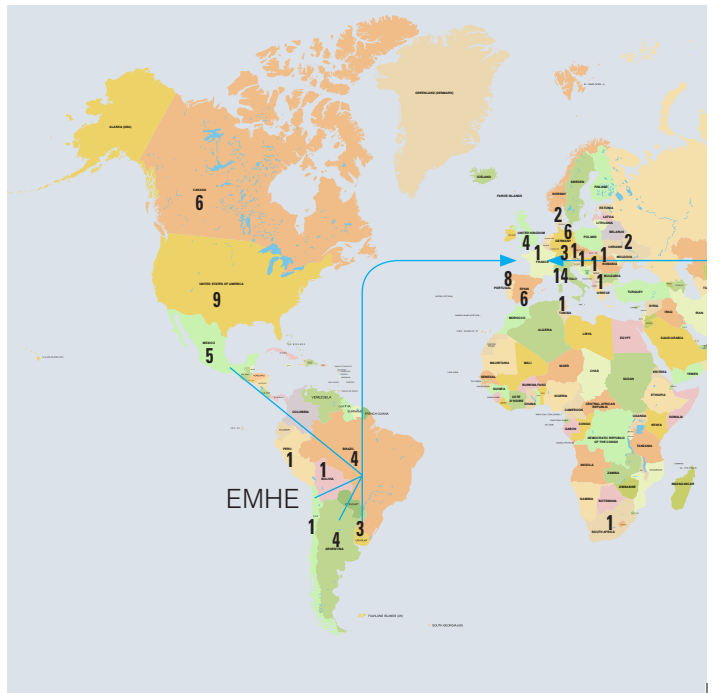
Evolution

	Classes	Student number
2018	Trefouel	14
2017	Nicolle	20
2016	Wollman	18
2015	Metchnikoff	14
2014	Yersin	10
2013	Jacob	14
2012	Lwoff	9
2011	Canetti	7
2010	Monod	6
2009	Pasteur	5

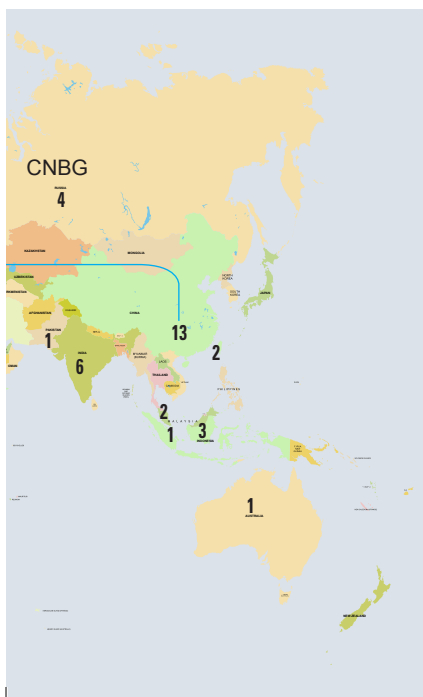
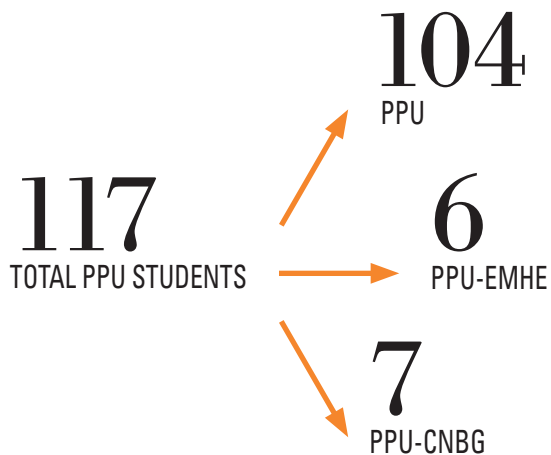
In 2016 two satellite programs were created:

PPU - CNBG (China)

PPU – EMHE (Latin America countries)



PPU in numbers



55 STUDENTS ON PARIS CAMPUS

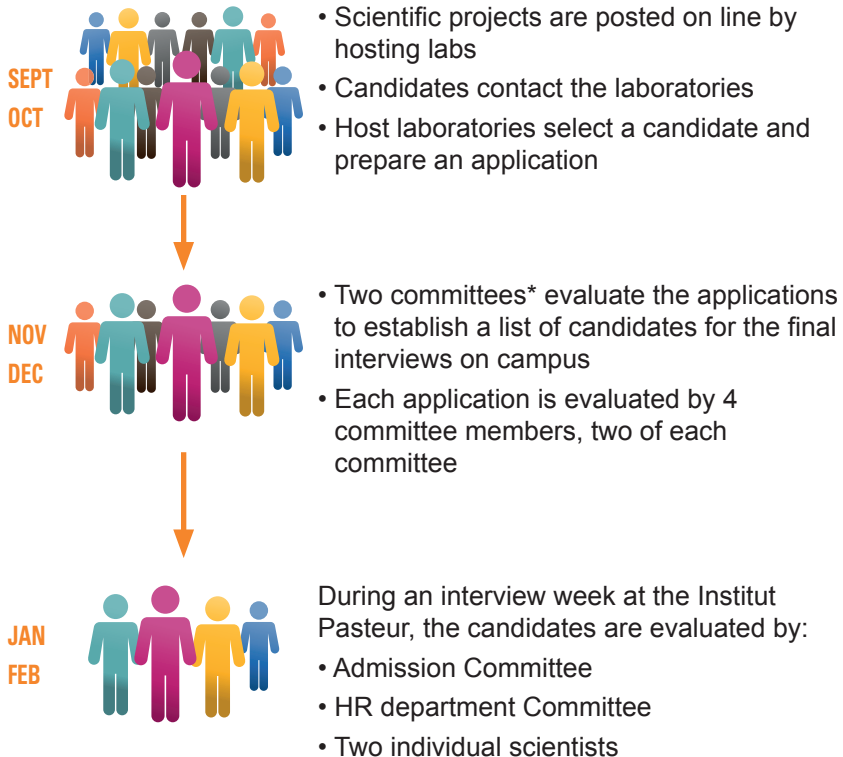
33 REPRESENTED NATIONALITIES

Mission: train talented international students

1) ATTRACT AND SELECT CANDIDATES FROM ALL OVER THE WORLD

Each year the PPU call is broadly diffused through more than 300 institutions, 31 embassies, and various websites.

The program has a very rigorous selection process articulated in three steps:



* The **External** committee is composed of international scientists, while the **admission** committee is composed of pasteurian scientists and members of associated universities.

Mission: train talented international students

2) STUDENT TRAINING TO THE EXCELLENCE

Several training courses and close follow up of PhD progression are organized for the student.

Workshop on Ethics

Responsible conduct in research
Ethical use of animals in research
Clinical research ethics

Robotics in Education

How to use and program a robot

NEW IN 2019

Oral presentation workshop

How to organize a talk
Which skills to use while talking
How to deal with stress

Journal club

Critical reading and data analysis

Annual 3-day retreat

Interdisciplinary scientific exchanges

PPU Thematic Club

Created, organized and managed by the students around a scientific theme, it is a great opportunity to develop managerial capabilities

One-to-one meeting with the Dean

Once a year after the TAC meeting

Annual Thesis Advisory Committee

mandatory each year

Practicals are organized after the workshops to allow the students to complete their theoretical knowledge.

Mission: train talented international students

3) STUDENT CARE

Student care is a priority for the program. We want the students to be well integrated on the campus and in french society: French classes are offered to learn French language and culture.

Social events are organized to facilitate networking among the students and contacts with different cultures.

French language classes

On the campus, Classes of four different levels

Luncheons social events

to facilitate the creation a network

Graduation Ceremony

Now organized for all the students on campus

Support for administrative Bottlenecks

(now MAASCC)

Over the years, these initiatives and some activities were extended to all the students on campus.

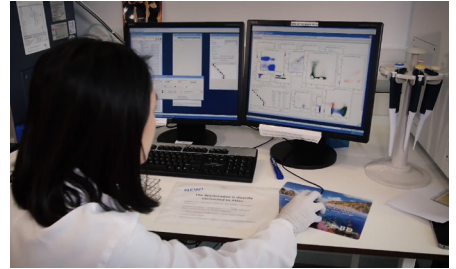
You Tube A video was recently made to show the spirit of the program: <https://youtube/sCBLRyRCAVg>



PPU provides ...



- Creativity
- Scientific exchanges
- Soft skills improvement
- Scientific collaborations
- Interactions with a multicultural environment
- Personal network development
- Implementation of new teaching methods
- Interdisciplinarity



Student Testimonies



Reid Oldenburg

PPU student - Jacob class (2013-2016)

I spent an enlightening and exciting three years in Paris studying host-pathogen interactions, investigating the immunomodulatory effects of mycobacterial phenolic glycolipids on the macrophage. Being in the PPU program offered me exposure to a diverse group of bright minds, which allowed me to cultivate my knowledge and love for immunology. I even spent part of my thesis learning about Hansen's disease in Nepal, which ultimately influenced my decision to pursue my residency and post-doc in Dermatology at UC San Diego.

Reid is currently a resident physician at the Olive View-UCLA Medical Center, UCLA, USA

Ai-Ing Lim

PPU student - Jacob class (2013-2016)



I like a lot the international aspect of this program. We have fellows coming from different countries with very diverse background, and we interact a lot during meeting and retreat. I think the scientific and cultural interaction broaden our thinking.

Ai-Ing is currently a post-doct fellow at NIH, Bethesda, USA



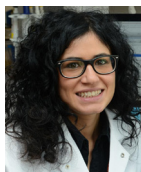
Anand Kumar

PPU student - Metchnikoff class (2015-2018)

PPU is a dynamic program. What's so great about it is the emphasis on knowledge transfer. We have regular social events where the scientific community at our institute has a platform to meet, exchange ideas and build long lasting professional contacts.

Anand is finishing the PhD at the Institut Pasteur

Awards 2017-2018



Loredana Puca

(Pasteur class 2009)

Conquer Cancer
Foundation Award 2017
American Society of Clinical Oncology



Chak Hon Luk

(Wollman class 2016)

Croucher Foundation
Doctoral Scholarship (2017-2019)



Fani Koukouli

(Lwoff class 2012)

Unafam Biomedical Science Research Award 2017
Boursière L'Oréal-UNESCO *Pour les Femmes et la Science* 2017



Ai-Ing Lim

(Jacob class 2013)

Boursière L'Oréal-UNESCO *Pour les Femmes et la Science* 2017
'International Rising Talent' L'Oréal-UNESCO 2018
HFSP 2018 Human Frontier Science Program, Long term fellowship



Katherine Siddle

(Monod class 2010)

CHFSP « 67th Lindau Nobel Laureate Meeting » 2017



Jian Bay

(Metchnikoff class 2015)

Award of excellence Chinese Government
Students not funded by CSC

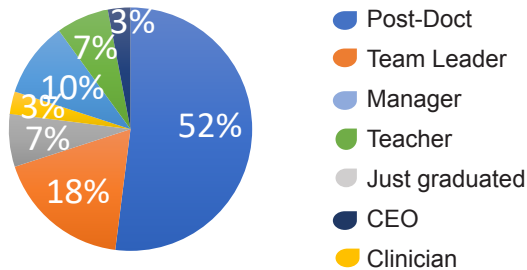
Alumni

With 62 students already graduated, we have created a network of the “PPU Alumni”.

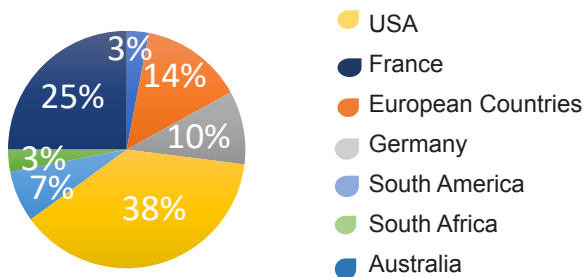
Thirty-one alumni have responded to a recent survey. Please note that most of our alumni have graduated recently.*

* Data from May 2018 – 31 participants

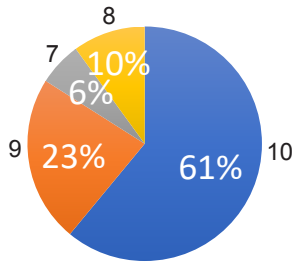
Current job position



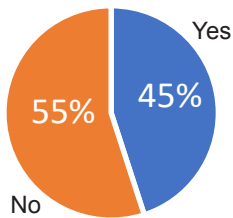
Countries of work



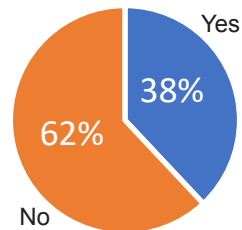
Likelihood to recommend the PPU from 1 (none) to 10 (very high)



Obtained Fellowship after the PhD



Publications after the PhD



Steering Committee

The PPU program has a Steering Committee that meets once a month. The committee actively collaborates with the Dean for program management.

The Steering Committee is composed by scientists of the campus who participate on a voluntary basis.

The members of the committee are responsible for various activities.

The 2018-2019 committee



A. Alcover
European CoFund



S. Gribaldo
Selection process



F. Jönsson
Journal Club



M. Hamon
Journal Club



M. Ingersoll
Workshop Oral
presentation



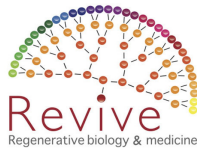
P. Vieira
Annual Retreat
TAC Evaluation

The PPU thanks its precious sponsors !!!



Andres Alcover
Member of the PPU Steering Committee
Coordinator of EU-funding at the PPU

The PPU has been a perfect environment to host doctoral fellows funded by the E.U. Marie Sklodowska-Curie Actions, and a great opportunity to build EU-funded training programs.



The PPU program thanks:

- **For administrative issues, and career development:** the MAASCC (Mariana Mesel-Lemoine, Hajar Guedira, Marc Chevalier); the HR department (Hélène Reynier-Legeron, Stéphanie Meric, Muriel Robert, and Camille Baussy).
- **For the European CoFund:** Ksenia Bagrintseva, Olivier Schaetzle.
- **For the Ethics Workshop:** Nathalie Jolly, Sonia Kuhn, Noelia Lopez Montero, Xavier Montegutelli, Samira Ouchhi, Virginie Pirard, Fabrizia Stavru.
- **For Communication:** Sabine D'Andrea, Alban Orsini, Valérie Zeitoun, Agnès Bourdet.
- **For involvement during the interview week:** Jean Jaubert (Animal Facility), Magali Boissier (CRT), Francina Langa Vives (Mouse Genetics Engineering Center), Valentina Libri et Sophie Novault (Cytometry and Biomarkers UTechS), members of the associated universities.
- **For issue in education:** Olivier Cassar, Karin Eiglmeier, Dominique Franco, Deshmukh Gopaul, Oumaima Ibrahim-Granet, Thierry Lang, Geneviève Milon.
- **For the PPU-EMHE:** Vincent Brignol, Javier Pizzarro-Cerda, Daniel Scott-Algara, Pamela Palvadeau.
- **For help in the past years:** Pierre Bruhns, Carmen Buchrieser, Isabelle Saint- Giron, Nicholas Malmquist, Melissa Laird Smith, Paul Lazarow, Michaela Muller-Trutwin, Lilliana Radoshevich, Lisa Riffaud.
- **A special thanks** to Catherine Fayolle and Marie-Laure Goupil for conception of this booklet, and to Béatrice de Cougny for designing steps.

“ Notre Institut sera à la fois un dispensaire pour le traitement de la rage, un centre de recherche pour les maladies infectieuses et un centre d’enseignement pour les études qui relèvent de la microbie ... ”

Louis Pasteur
Inauguration Institut Pasteur November 14, 1888

We wish the PPU program a successful future in the footsteps of Louis Pasteur’s tradition

www.pasteur.fr/en/education/ppu
Video: <https://youtube/sCBLRyRCAVg>



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