

ÉCOLE DOCTORALE

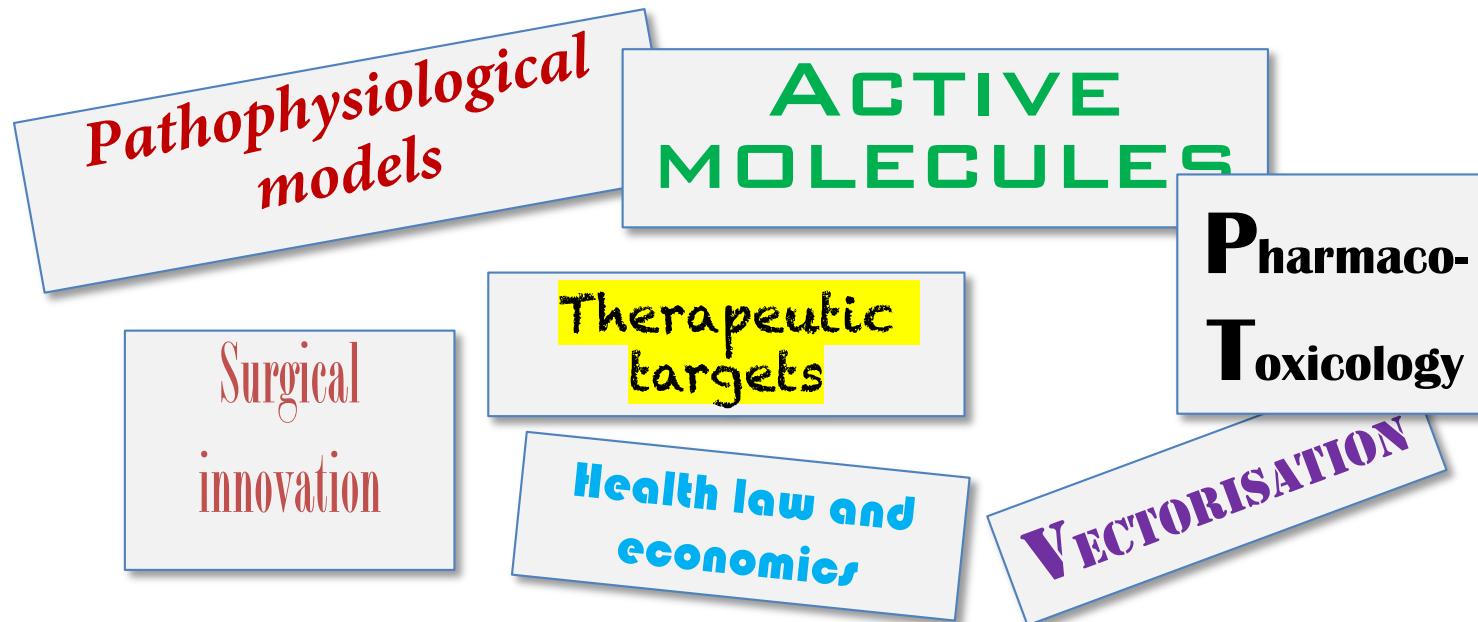
**Innovation thérapeutique :  
du fondamental à l'appliqué**

ED 569 - (ex ED425)

**L'ED Innovation Thérapeutique  
dans l'Université Paris-Saclay**

# Scientific topics

- Multidisciplinary chain from **drug design to production**
- Continuum with strong specialties and **interfaces**



## Scientific frame

35 **Research units**

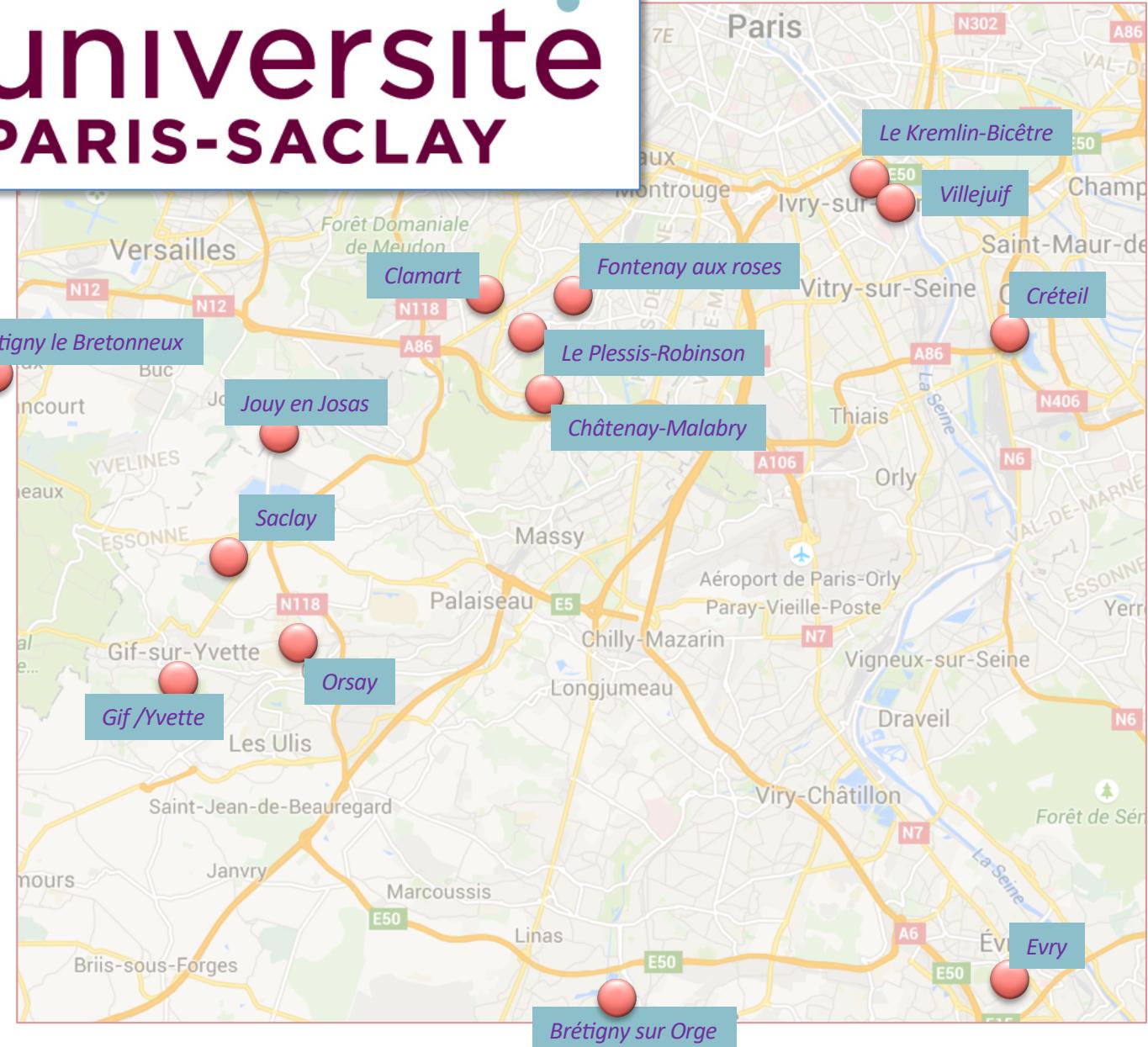
84 **Research teams**

470 **Supervisors**

> 300 **PhD students**



# université PARIS-SACLAY



# Organisation

## Doctoral school council

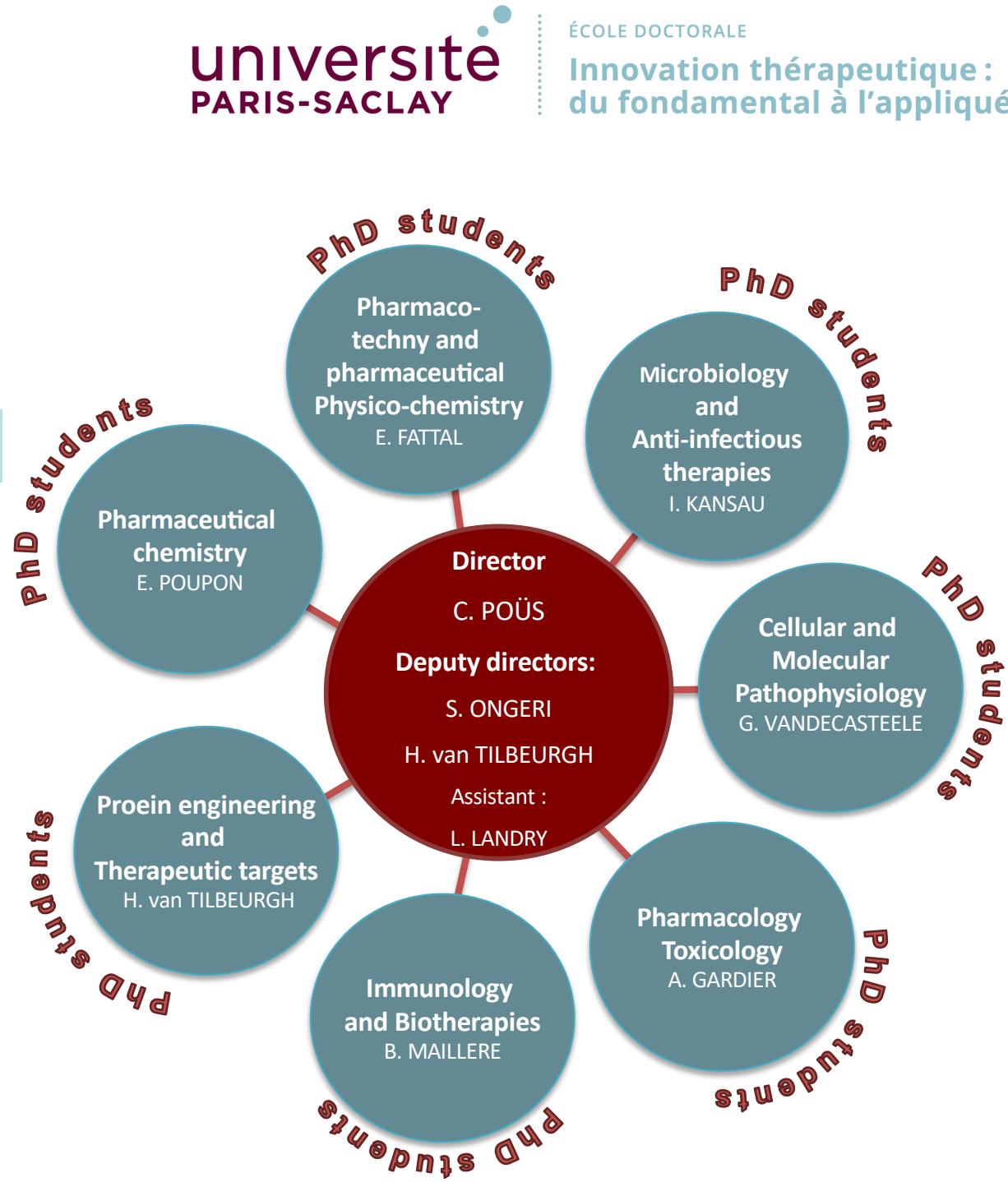
### Small board

International relations  
S. Ongeri

Mediation  
S. Ongeri

Training  
H. Van Tilbeurgh

**ADIT**  
Association des doctorants  
en innovation  
thérapeutique



## Your contacts

**Mails via ADUM → PhD students and thesis supervisors**

[ed\\_ITFA@univeriste-paris-saclay.fr](mailto:ed_ITFA@univeriste-paris-saclay.fr)

**Administration : Mme Lucie Landry**

**Pole managers:** Yearly meeting, Thesis committee

**Training :** Pr Herman van Tilburgh

**International relations and conflict management :** Pr Sandrine Ongeri

**ADIT:** Association of the PhD students from the ITFA doctoral school

## Doctorate

Doctoral Charter

Your status as a PhD Student

Disciplinary fields

Quality assurance documents

## Before

How to apply

Fundings

To post an offer

International PhD students:  
prepare your arrival

Offers for thesis subjects

## During my PhD

Registration & re-registration

Doctoral programmes

Ongoing thesis

"European Doctorate" label

International cotutella agreement

PhD thesis defence

## After

All the theses online

Doctoral diploma

Graduation ceremony

Job offers

PhD Future

## Upcoming Defences

## Doctoral College

Statistics and Facts

Organization and contacts

Council

Doctoral Schools

## It's all about you !

Network of doctoral candidates

LinkedIn Group

Press review

## Doctoral schools

# Textes de référence

## Université Paris-Saclay doctoral training policies and other general documents

- [The doctoral charter of Université Paris Saclay](#)
- [The European Charter and Code for Researchers](#), adopted the [17th July 2015](#) by Université Paris Saclay,

[The Doctoral training programme - quality manual](#)

## Procedures and useful documentation

- [Admission of new PhD Students](#),
- [International thesis co-supervision](#)
- [Enrolment and Re-Enrolment](#)
- [Doctoral seminar, lworkshop, lectures and courses](#)
- [Thesis defence](#)
- [Doctoral degree award](#)
- [Exceptionnal cases, exemptions, conflict resolution](#)

## Governance & internal organization

- [Internal regulations of the college of doctoral studies](#)
- [Internal regulations of the doctoral school units](#)

## European and French set of guidelines

- [The European Charter and Code for Researchers](#)
- European Commission. (2011). [Principles for innovative doctoral training](#)
- European Universities Association (2006). [The Salzburg principles for doctoral training](#),

# The 20 doctoral schools regroup about 5,000 PhD students from Université Paris-Saclay

Doctoral schools unite several research teams that take charge of student doctoral research programmes. They offer the future doctors high-level scientific supervision along with preparation for their professional life.

Doctoral schools are accredited by the State based on assessment. The accreditation of each doctoral school defines its specific fields of scientific specialisation. Accreditation is based on the scientific quality of the laboratories associated with each doctoral school, the recruitment procedure for doctoral students, policies for thesis funding, evaluation of educational programs, policies and supervision, partnerships within the social and economic arenas, and the encouragement of mobility and European and international openness.

The doctoral space is organised into 17 doctoral schools, all under the umbrella of Université Paris-Saclay, and three co-accredited doctoral schools, gathered within a single Doctoral College. The Université Paris-Saclay doctoral programme covers, on an entirely new level in France, a continuum ranging from fundamental sciences to applied sciences, emphasising interdisciplinarity and international openness. This programme is structured by the following doctoral schools:



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## Agriculture, alimentation, biologie, environnement, santé (ABIES)

[Read more](#)

## Astronomie et astrophysique d'Ile-de-France

[Read more](#)

## Cancérologie, Biologie, Médecine, Santé

[Read more](#)

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## Ecole doctorale de mathématiques Hadamard (EDMH)

[Read more](#)

## Ecole Doctorale Ondes et Matière

[Read more](#)

## Ecole doctorale Physique en Ile de France

[Read more](#)

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## Electrical, Optical, Bio: PHYSICS\_AND\_ENGINEERING (EOBE)

[Read more](#)

## Innovation thérapeutique du fondamental à l'appliqué

[Read more](#)

## Interfaces

[Read more](#)

<https://www.universite-paris-saclay.fr/fr/formation/doctorat/innovation-therapeutique-du-fondamental-a-lapplique#l-ecole-doctorale>



A+ A- A EN FR

Votre recherche

Vous êtes...

L'UNIVERSITÉ RECHERCHE DOCTORAT FORMATION INNOVATION ET ENTREPRENEURIAT INTERNATIONAL VIE DE CAMPUS

Accueil → Formation → Écoles doctorales → Innovation thérapeutique du fondamental à l'appliqué

#### L'ÉCOLE DOCTORALE

LE DOCTORAT

INTERNATIONAL

SUJETS DE THÈSES

INSCRIPTION ET  
RÉINSCRIPTION

DÉROULEMENT DU  
DOCTORAT

SOUTENANCE

CARRIÈRES

# Innovation thérapeutique du fondamental à l'appliqué

## L'école doctorale

### Périmètre de l'école doctorale

L'intitulé « Innovation Thérapeutique, du fondamental à l'appliqué » résume bien l'objectif scientifique de l'école doctorale : **favoriser l'innovation dans le domaine du médicament**, de l'identification des cibles thérapeutiques à la mise en forme finale. Le périmètre de l'ED569 est ainsi amené à fédérer des disciplines variées (Chimie, Biochimie et Biologie Structurale, Immunologie, Physiopathologie, Microbiologie, Toxicologie, Pharmacologie, Pharmacotechnie...).

Aujourd'hui, les avancées significatives dans le domaine thérapeutique doivent se faire de plus en plus aux interfaces entre ces domaines, engendrant la nécessité de **produire une nouvelle génération de chercheurs ayant une formation pluridisciplinaire**. La formation doctorale proposée par l'ED569 répond à cet objectif puisqu'elle est structurée en 7 pôles thématiques qui couvrent un spectre très large depuis l'identification des nouvelles cibles thérapeutiques jusqu'à la mise en forme ou la mise en œuvre des produits de santé:

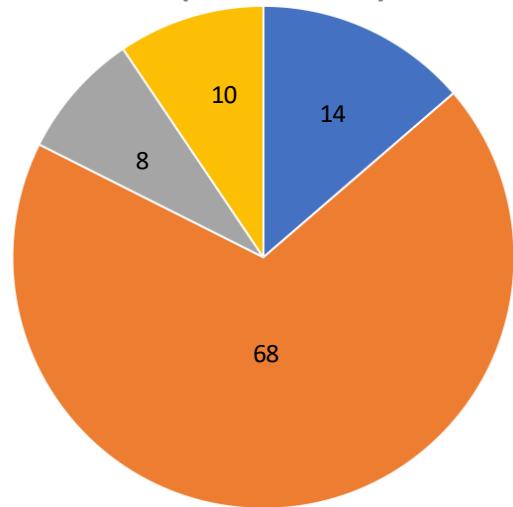
- Physiopathologie Moléculaire et Cellulaire,
- Microbiologie et Thérapeutiques anti-infectieuses,
- Ingénierie des Protéines et Cibles Thérapeutiques,
- Chimie Pharmaceutique,
- Pharmacologie-Toxicologie

# PhD students

## Parity:

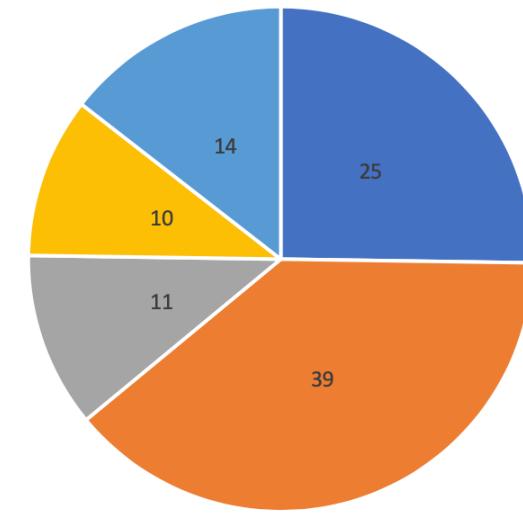
54-56% of women

Degrees granting acces  
to the doctorate  
(2015-2018)

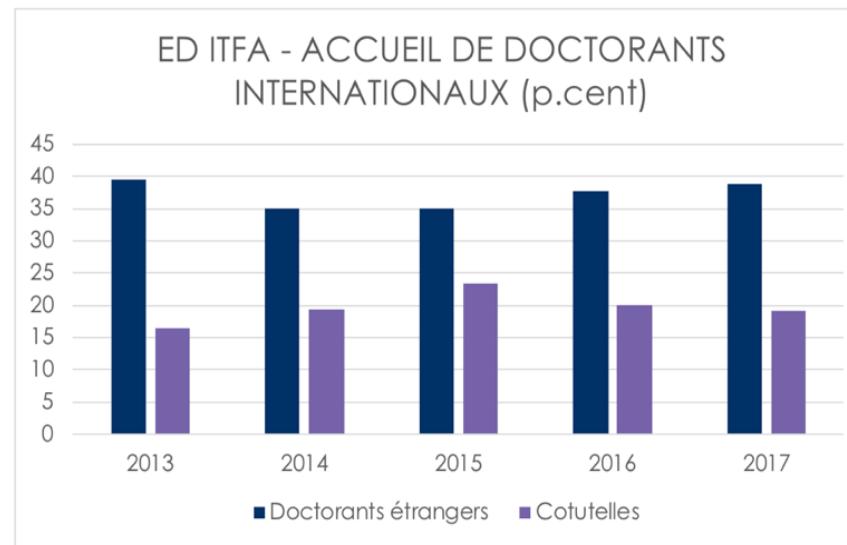


- Masters obtained in foreign countries
- Masters obtained in France
- Other diplomas (MD, PharmD...)
- Engineers

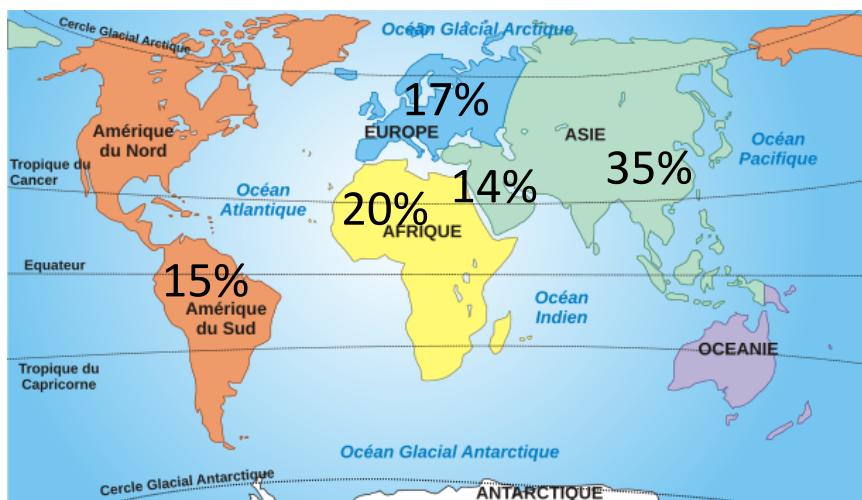
Financial support  
(2015-2018)



- Contracts from the French Ministry of Research
- Other academic contracts
- Private contracts (CIFRE)
- Foreign scholarships
- Other (employees)



~38% of foreign PhD students



Welcome & Information  
Access to training  
Co-tutoring  
International programs  
and mobility

## Course of the PhD thesis

- 3 years [Mean duration in the DS = 42 months]
- Derogation possible for a 4th registration
  - Only if financial support
  - To complete the research work
  - Ambition of the publication level
  - Not necessary if the defense takes place before the Dec 31st of the 3rd year.
- Financial support  $\geq 1000 \text{ € } / \text{month}$
- Mid-thesis thesis committee (during the 2<sup>nd</sup> year):
  - **External expert (cannot be a reviewer during the defense)**
  - Presentation of the project and the progress
  - Private meeting PhD student + expert
  - Recommandations
  - **MANDATORY for the 3<sup>rd</sup> year registration**
  - **MANDATORY opinion of the expert**  
**for any registration beyond the 3<sup>rd</sup> year**
- Career guidance

**MEETING =**  
*with the pole manager*



**LISTENING AND ACCOMPANIMENT**

- Publication:
  - At least one publication submitted with 1st authorship
  - Contribution to writing ++
- Thesis Defense:
  - PhD degree from the Université Paris-Saclay

## Other important contributions to the DS life

- ADIT
- « Journées de l'Ecole Doctorale » (yearly meeting organized by PhD students)
  - Representatives to the council of the DS + recruitment competition
  - Representatives to the doctoral college
  - Interactions with the Hceres committee



**MT180 2016 c'est parti !**

MT180 2016 c'est parti !

Date de l'événement : le 7 avril 2016

Doctorats | Salle de la Terrasse, Gif-sur-Yvette

[En savoir plus](#)

# Training

## Training courses shared by all the DS of Paris-Saclay

### *Thematic*

*Ethics and Scientific  
conduct*

**MANDATORY**

### *As integrated programs*

*Academics*

*Business R&D*

*Mediation, communication and science reporting*

*Valuation of innovative research projects*

*Consulting, expertise and valuation*

*Doctor' Preneuriales*

## Formations spécifiques à l'ED

*Drug discovery and conception (in English)*

*Nanomedecine (in English)*

*Cellular imaging (in English)*

*Building of tissues and organs by bio-engineering*

*Animal models in neuropharmacology*

*Doping : from regulation to analytic evidence. Contribution of biological and of physico-chemical techniques*

*Protein-protein interactions: in vivo / in vitro / in silico approaches*

*Knowledge of the technical platforms from the « Institut Paris-Saclay d'Innovation Thérapeutique »*

# Post-thesis surveys

## 2018 survey

For the DS

### Soutenance avant le 01/01/2017

En emploi	62	96,9%
Sans emploi	2	3,1%



Votre lieu de travail se situe:

En France	59	63,4%
Dans un autre pays	34	36,6%



### Catégorie d'employeur, d'entreprise

Fonction publique (d'Etat, territoriale, hospitalière, européenne)	54	60,7%
Entreprise	19	21,3%

Dans quelle catégorie s'inscrivent vos activités :

Enseignement supérieur et recherche,	43	46,2%
Recherche et développement,	32	34,4%

### En France

un emploi à durée limitée	42	71,2%
un emploi permanent	17	28,8%



### Satisfaction générale

Très satisfait	38	42,7%
Assez satisfait	42	47,2%
Insatisfait	9	10,1%
Très insatisfait	0	0,0%

# Reflection topics

- *Why do you want to make a PhD thesis?*
- *Why is a PhD important for your career ?*
- *From your point of view, what is thesis success ?*
- *Which would be the factors of this success?*
- *What is the value of the publication, why is a key factor for your defense?*
- *What is the role of your thesis supervisor?*
- *What does your thesis supervisor expect from you ?*
- *Did your READ the doctoral charter?*