

# **Ecole Doctorale « Structure et Dynamique des Systèmes Vivants »**

# **Doctoral School « Structure and Dynamics of Living Systems »**

- 1. Who are we?**
- 2. The Paris-Saclay Context**
- 3. The SDSV Doctoral School**
- 4. Questions / Answers**

1. **Who are we?**
2. **The Paris-Saclay Context**
3. **The SDSV Doctoral School**
4. **Questions / Answers**



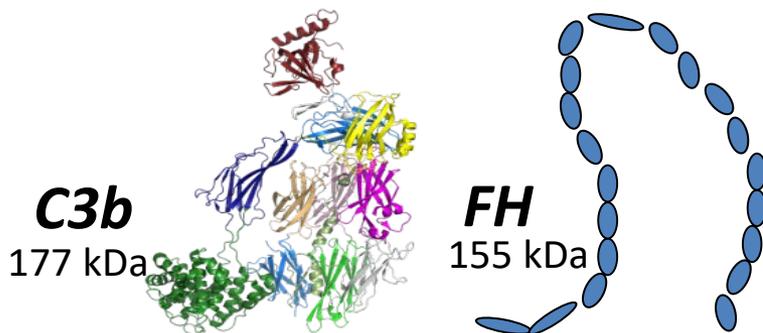
**Florence GONNET**

fgonnet@univ-evry.fr

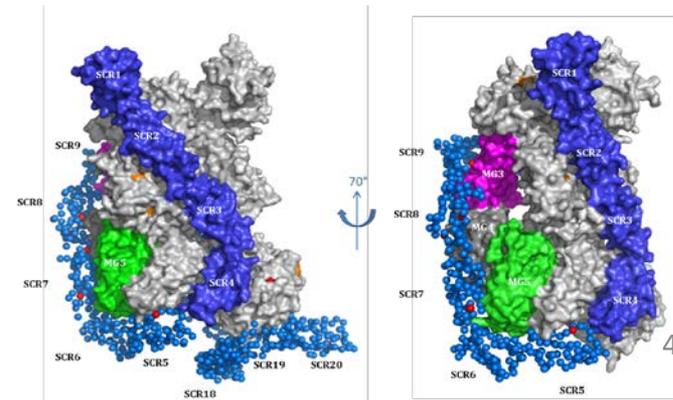


## The World of structural analysis of biomolecules

- Proteomic and PTM (S-S bonds, glycosylation, sulfation...): *role of HSulf2 endosulfatase in cancer*
- Glycomic (gagosylation): *mucopolysaccharidoses*
- Structure and dynamics of the formation of biomolecular complexes: *Hemolytic uremic syndrome (HUS), C3b/FH*



Synchrotron  
Footprinting



**Pierre CAPY**

**[Pierre.capy@egce.cnrs-gif.fr](mailto:Pierre.capy@egce.cnrs-gif.fr)**

## The World of transposable elements (selfish DNA)

- Structural impact on genomes
- Impact on genome expression and regulation
- Regulation of their activity through small RNA (epigenetics)
- Relationship between stress and TE activity
- Dynamics in genomes, populations and species

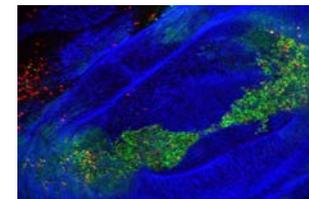
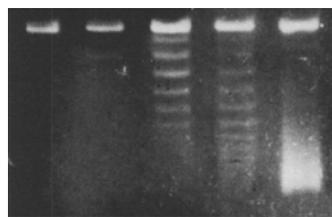
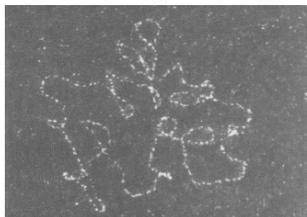
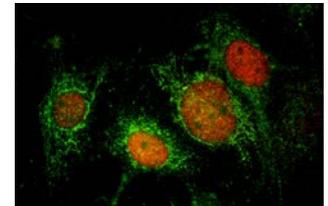


## Bernard MIGNOTTE

bernard.mignotte@uvsq.fr

### The World of mitochondria, cell death and senescence

- Mitochondrial biogenesis
- Structure and replication of mitochondrial nucleoids
- Cellular immortalization and senescence
- Tumor suppressors in apoptosis and senescence
- Mitochondria in cell death process
- Reactive oxygen species and cell death



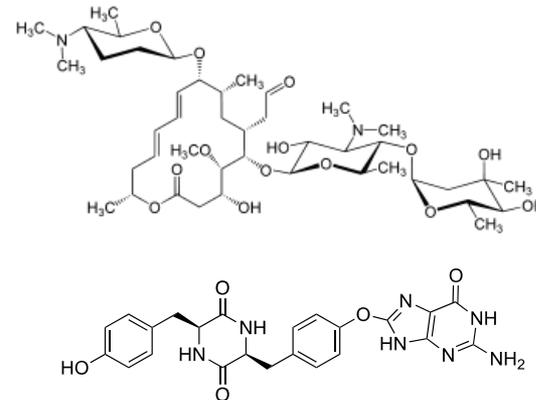
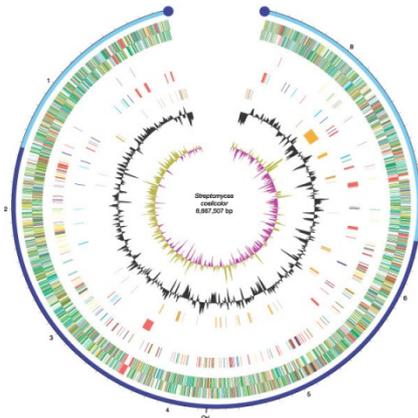
## Jean-Luc PERNODET

jean-luc.pernodet@i2bc.paris-saclay.fr



### Microbial specialized metabolites (antibiotics)

- Elucidation of biosynthetic pathways
- Regulation and evolution of the specialized metabolism
- Genomics of Actinobacteria
- Mobile genetic elements and gene transfer in Actinobacteria

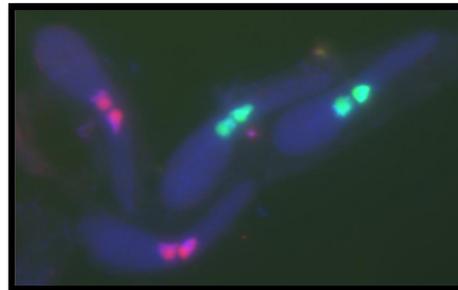
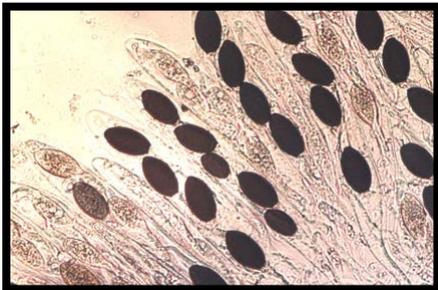
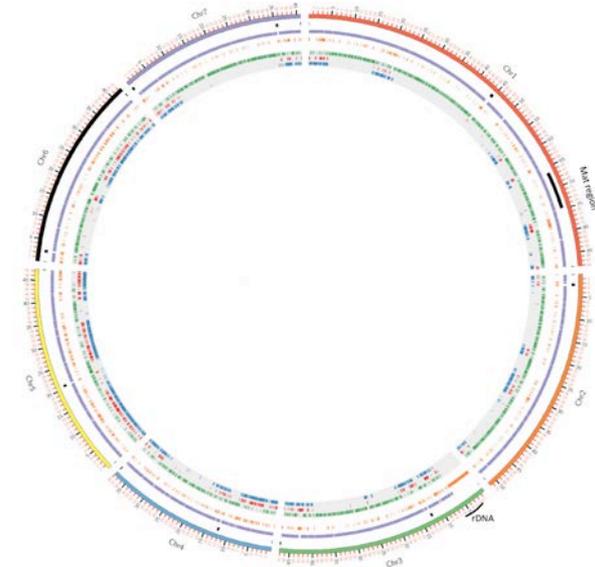


**Fabienne MALAGNAC**

**[fabienne.malagnac@i2bc.paris-saclay.fr](mailto:fabienne.malagnac@i2bc.paris-saclay.fr)**

**Epigenetic modifications & chromatin structure**

- ✧ **genome stability and dynamics**
- ✧ **gene regulation during developmental processes (sexual reproduction)**

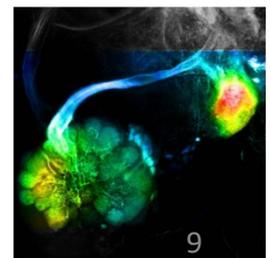
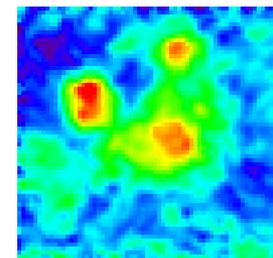
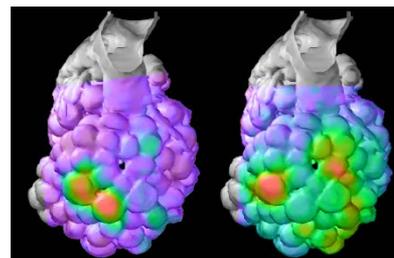
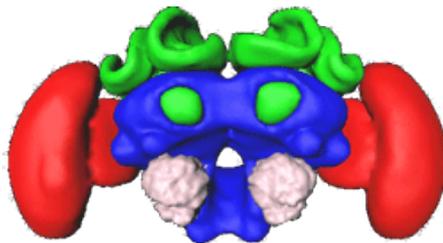
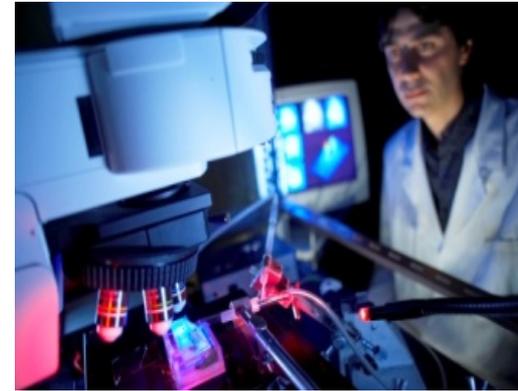


**Jean-Christophe SANDOZ**

[jean-christophe.sandoz@egce.cnrs-gif.fr](mailto:jean-christophe.sandoz@egce.cnrs-gif.fr)

## Evolution of insects' neural systems and behavior

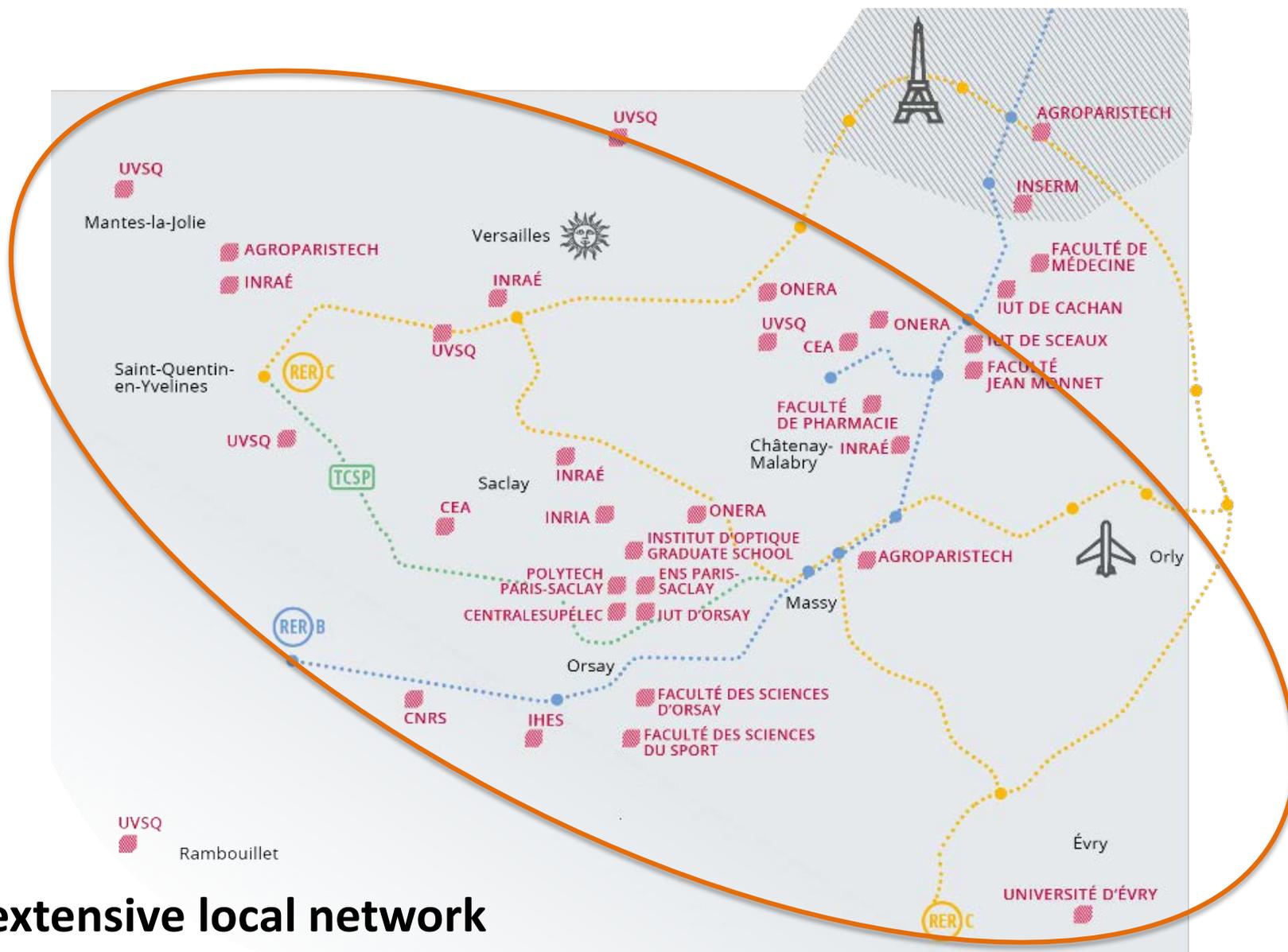
- Chemical senses (olfaction, gustation) and adaptation
- Comparative analysis of brain anatomy (bees, ants, wasps)
- Roles and diversity of olfactory receptor proteins
- *In vivo* imaging of brain responses to odorants
- Olfactory learning, memory and plasticity



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# The Paris-Saclay context



An extensive local network

# The Paris-Saclay context



## FORMATION AND RESEARCH

**48 000**  
étudiants  


**24 000**  
en premier  
cycle

 **12 000**  
en master

**4 600**  
en doctorat

**18** graduate schools  
et institut 

**8 100**  
chercheurs et  
enseignants-chercheurs

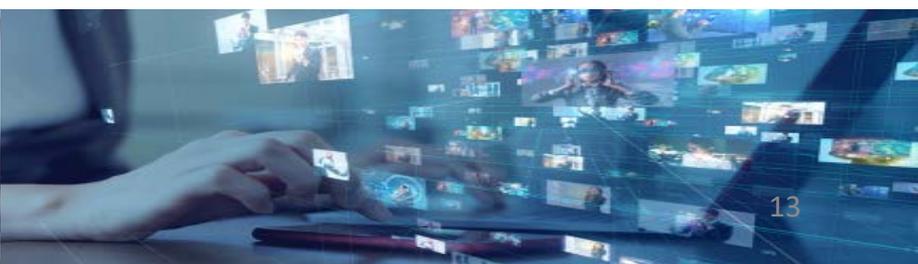
 **13 000**  
publications par an

**8 500**  
administratifs et  
personnels techniques

 **275**  
LABORATOIRES

 **13%**  
de la  
recherche  
française

**500**   
plateformes  
expérimentales



# Paris-Saclay University in figures

## PhD

4,600   
PhD students

21 Doctoral   
schools

 45% International  
PhD students

4,700   
Supervising  
researchers and  
academic staff

18 Graduate schools  
and Institute

## Around the world

Ranked **14<sup>th</sup>** in the  
ARWU ranking (2020)

Over  
**400**

  
international  
partners

**165**  
ERC grants

**10** Fields  
medals 

Leader of   
« Alliance for  
global health »

## Ranked among the best in the world



## Ranked among the best in Europe

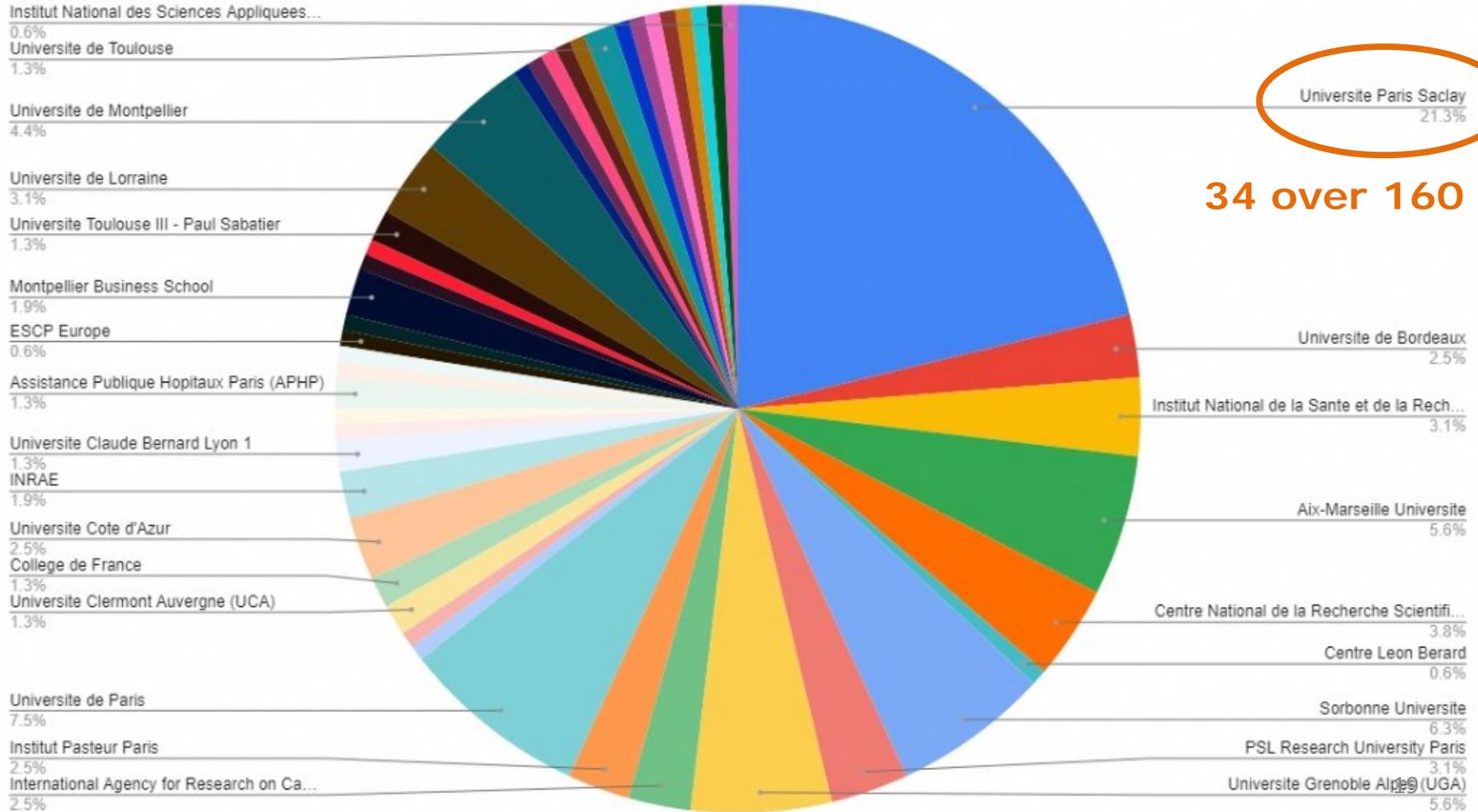


## Ranked among the best in the world and in France



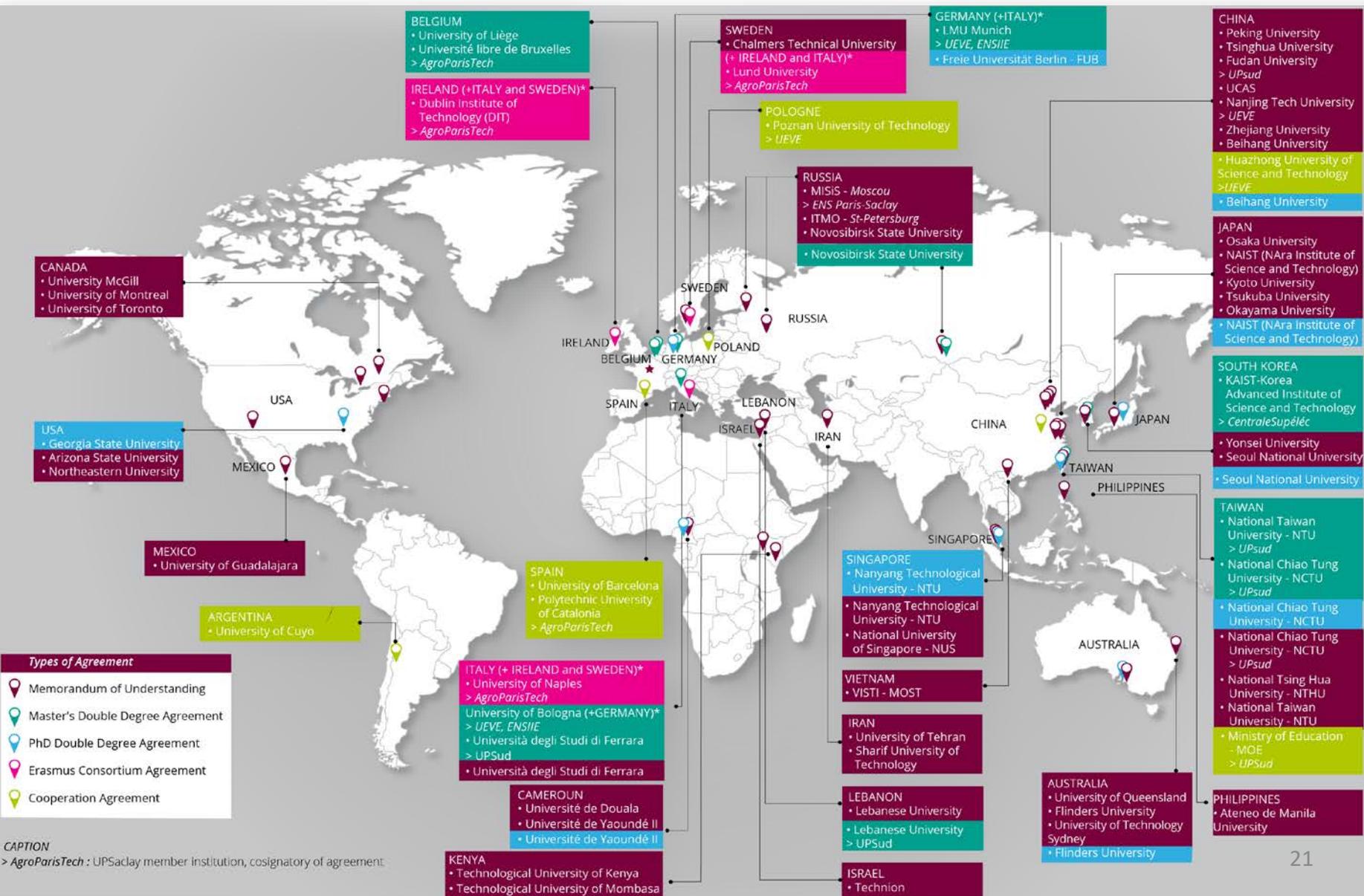
# Highly Cited Researchers (HiCi) of the Clarivates analytics 2020 ranking (18/11/2020)

Of the 6,167 HiCi, 160 are affiliated with institutions in France, which ranks it 8th worldwide.



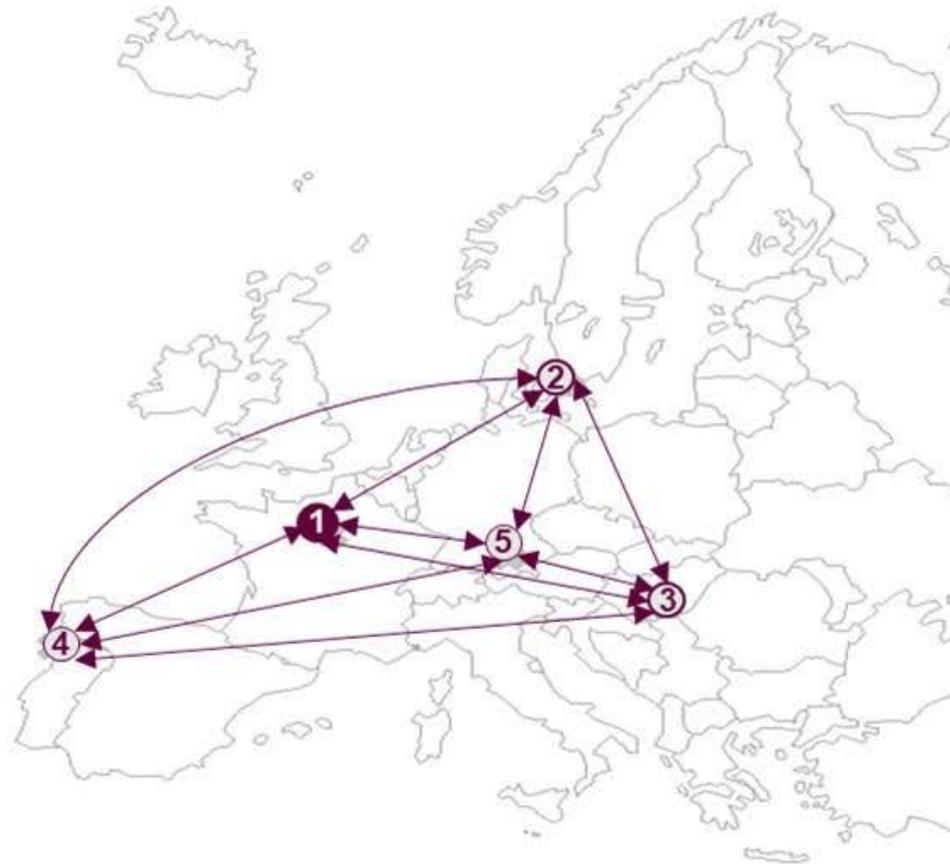
**34 over 160**

- **Over 60 UPSaclay active international partnerships** (and more than **400** through UPSaclay's members)
- Master's tracks **taught in English**: 15 %
- International **Master's** Students: 38 %
- International **PhD** students : 42%
- Approx. **45** CNRS International Associated Labs (more than 25 % of all French « IALs »)



**CAPTION**  
> AgroParisTech : UPSacly member institution, cosignatory of agreement

## EUGLOH



**1** universit  (Coordinateur)  
PARIS-SACLAY

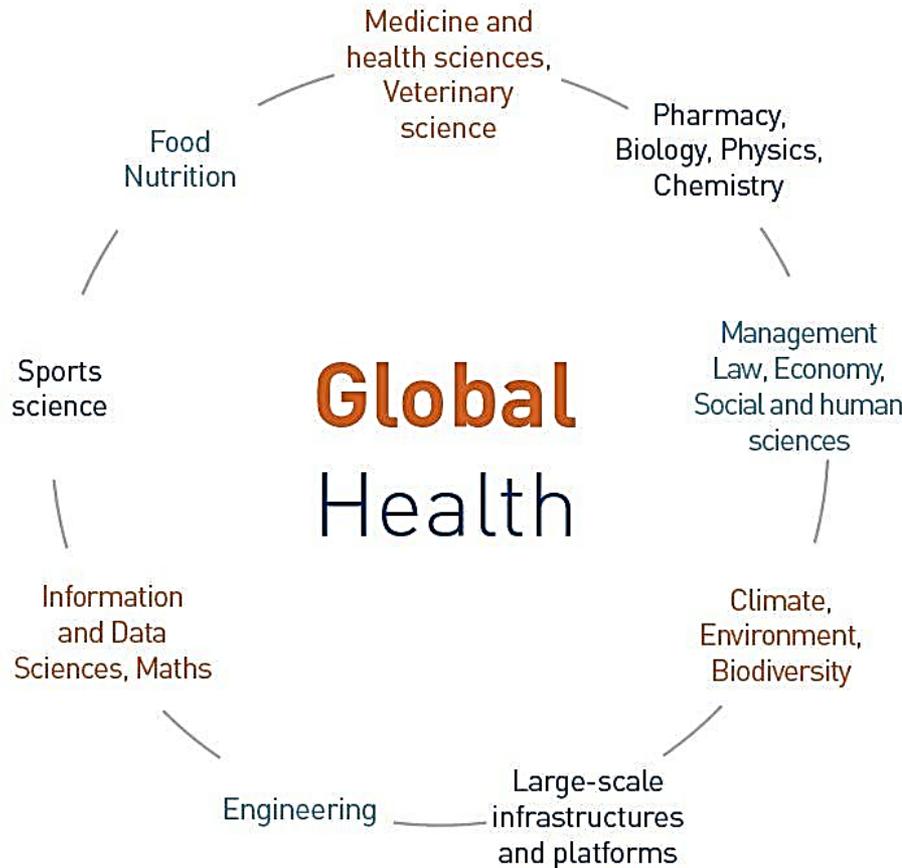
**2**  LUND UNIVERSITY

**3**  University of Szeged

**4**  UNIVERSIDADE DO PORTO

**5**  LUDWIG-  
MAXIMILIANS-  
UNIVERSITÄT  
MÜNCHEN

## EUGLOH



- 1



**université** (Coordinateur)  
PARIS-SACLAY

France
- 2



LUND UNIVERSITY

Sweden
- 3



University of Szeged

Hongary
- 4



U. PORTO  
UNIVERSIDADE DO PORTO

Portugal
- 5



LMU  
LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

Germany

<https://www.universite-paris-saclay.fr/fr/eugloh>

# Meet challenges in our society



Health and  
well-being



Energy, Climate,  
Environment,  
Sustainable  
Development

Biodiversity,  
Agriculture &  
Food



Digital  
Transformation  
and Artificial  
Intelligence (AI)



Transport and  
Mobility



Aerospace  
and  
Aeronautics



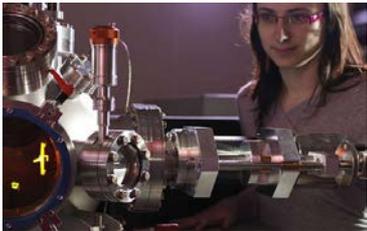
Industrial  
Renewal

## 3 main areas

### Life and health science



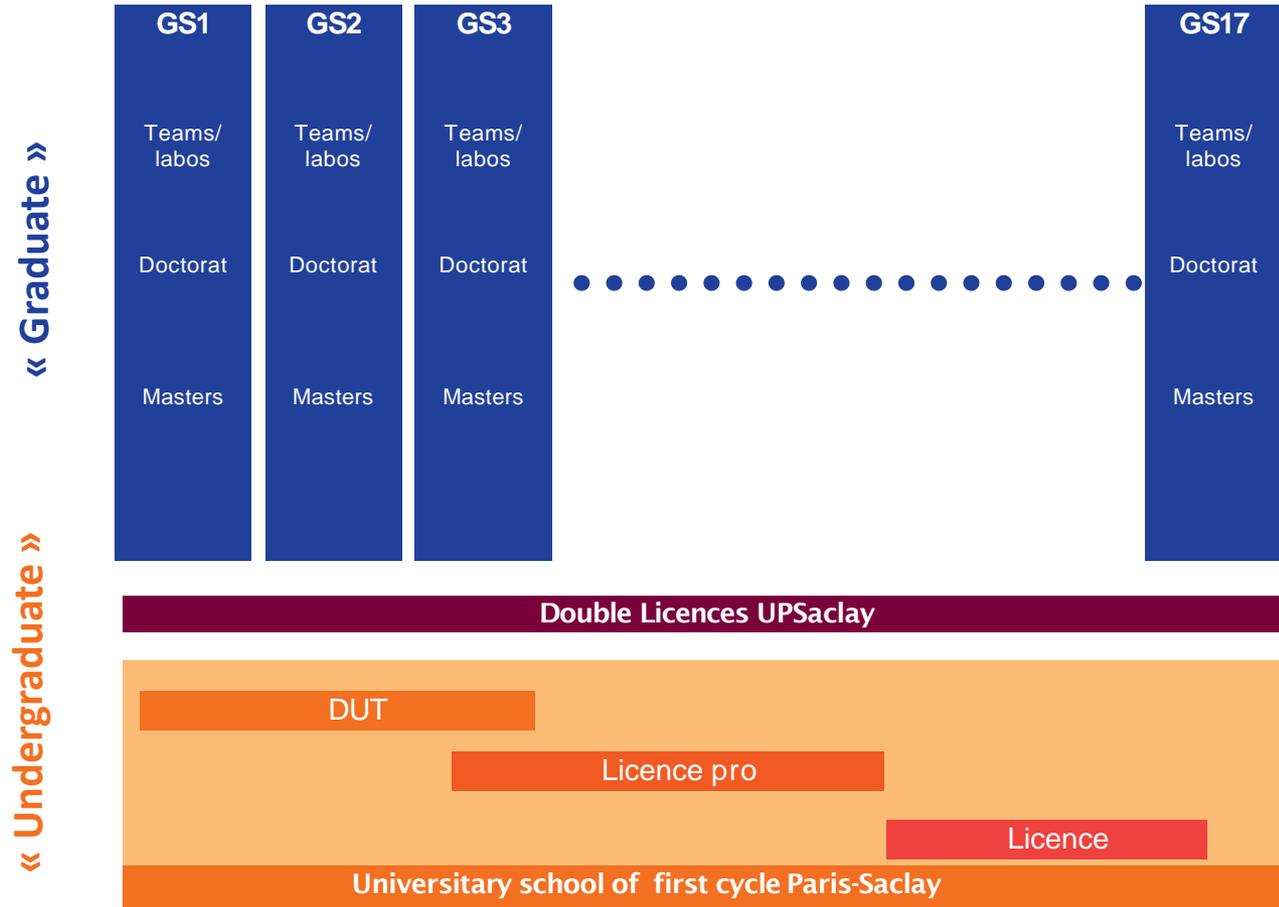
### Science and engineering



### Social sciences and humanities



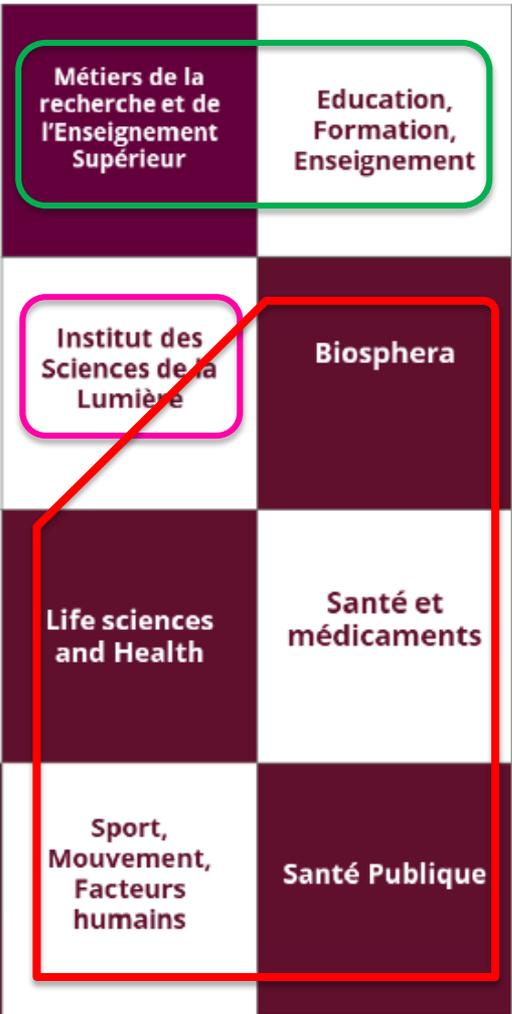
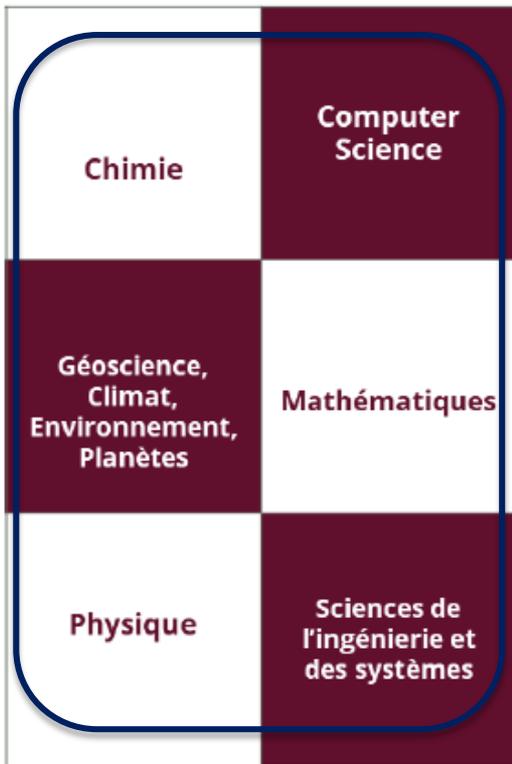
## 15 disciplinary GS + 2 transversal GS + 1 institute



# GS organisation in the Paris-Saclay University

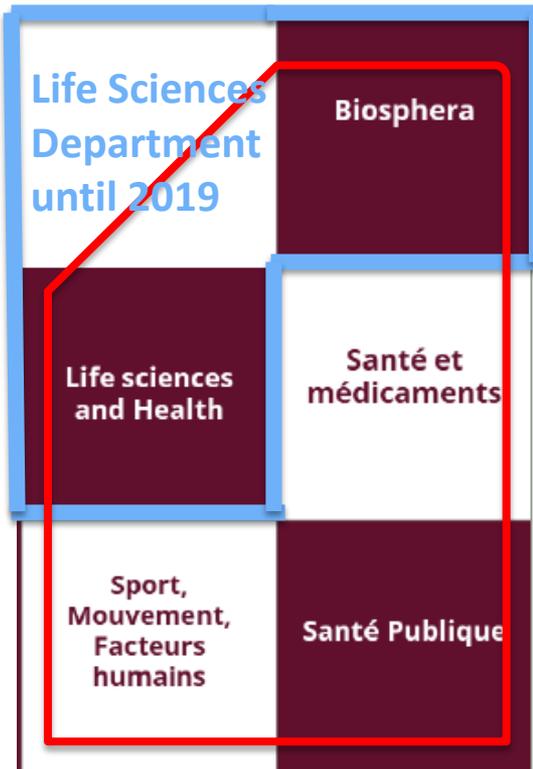
15 disciplinary GS + 2 transversal GS + 1 institute

*Science and engineering*



*Life and health science*

## AREA: *Life and health science*



PhD students of SDSV doctoral school are in:

- **LSH (Life Sciences and Health)**

Coordinator = Faculty of Sciences

- **BioSphERA (Biologie, Société, Ecologie & Environnement, Ressources, Agriculture & Alimentation)**

Coordinator = AgroParisTech

## Graduate School Life Sciences and Health



ED 582 Cancérologie, Biologie, médecine,  
santé (env. 200 doctorants)

ED 568 Signalisation et réseaux intégratifs en  
biologie (env. 100 doctorants)

ED 569 Innovation thérapeutique : du  
fondamental à l'appliqué  
(env. 250 doctorants)

ED 577 Structure et dynamique des  
système vivants (env. 250 doctorants)

ED 581 Agriculture, Alimentation,  
Biologie, Environnement (env. 230  
doctorants)

ED 567 Sciences du végétal : du  
gène à l'écosystème  
(env. 100 doctorants)

### Santé Médicaments

Sciences du médicament et  
des produits de santé  
(env. 400 étudiants)

### Chimie

Chimie  
(env. 250 étudiants)

Master Bioinformatique  
(env. 70 étudiants)

### Computer Science

Master Biologie-Santé  
(env. 750 étudiants)

Sciences de la Vision et prise  
en charge de l'acuité visuelle  
(env. 150 étudiants)

Ergonomie  
(env. 40 étudiants)

### BioSphERA

EUR SPS – GR (Saclay Plant  
Sciences)

Nutrition et sciences des aliments  
(env. 120 étudiants)

Biologie intégrative et physiologie  
(env. 50 étudiants)

STAPS: activité physique adaptée  
et santé (env. 70 étudiants)

Sport, Mouvement, Facteurs  
Humains



# Life Sciences and Health: from understanding the fundamental mechanisms to applications in Biotechnology and Medicine

## Partners

université  
PARIS-SACLAY

FACULTÉ DE  
MÉDECINE

DIRECTION

AgroParisTech

université  
PARIS-SACLAY

école  
normale  
supérieure  
paris-saclay

université  
PARIS-SACLAY

université  
PARIS-SACLAY

FACULTÉ  
DES SCIENCES  
D'ORSAY

COORDINATION

université  
evry  
val-d'essonne

université  
PARIS-SACLAY

UVSQ

UNIVERSITÉ PARIS-SACLAY

université  
PARIS-SACLAY

FACULTÉ DE  
PHARMACIE

## NRO partners



INRAE  
la science pour la vie, l'humain, la terre

Inserm  
La science pour la santé  
From science to health

## NRO associated

ONERA  
THE FRENCH AEROSPACE LAB

## Operator associated

CentraleSupélec

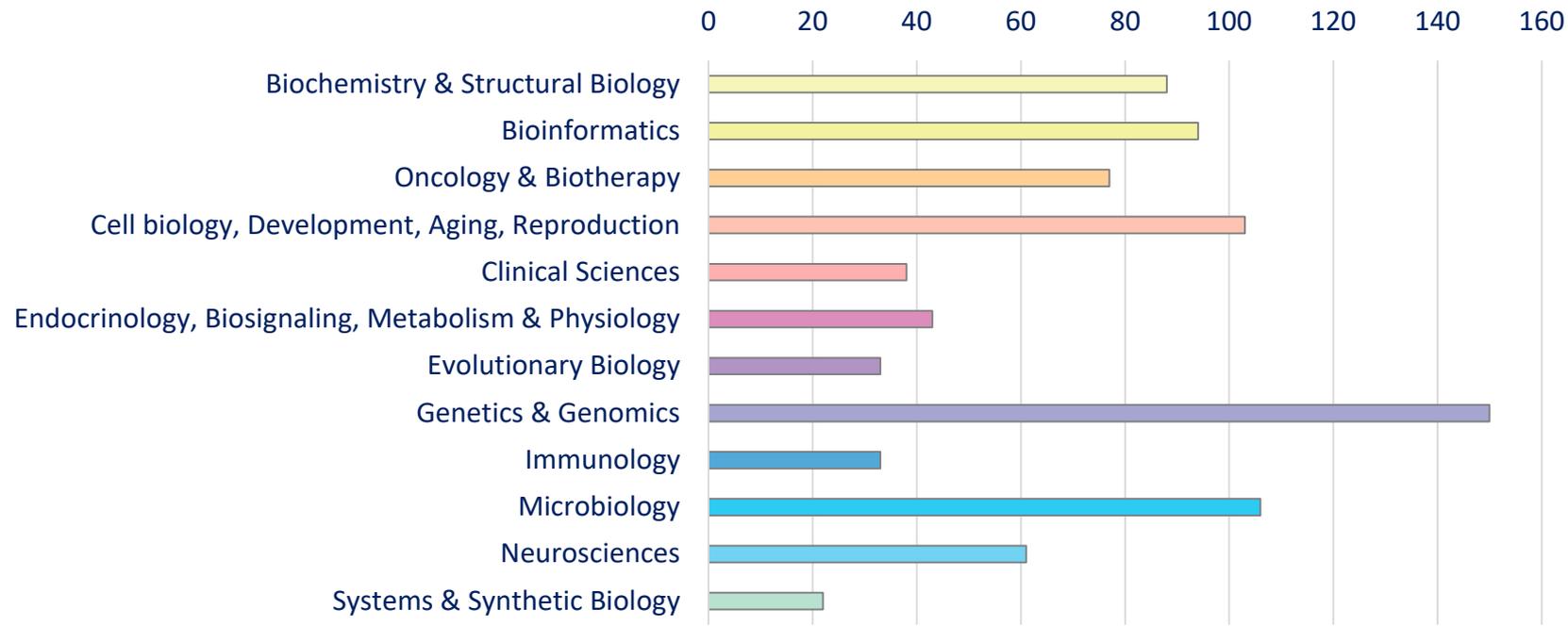
université  
PARIS-SACLAY

Inria

# Structuration into Graduate programs in the GS LSH

> 330 research teams  
> 70 laboratories

Number of research groups per Graduate Program



6 Doctoral Schools, > 600 Students

ED1 : Structure et dynamique des systèmes vivants

ED2 : Signalisation et réseaux intégratifs en biologie

ED3 : Cancérologie, Biologie, Médecine, Santé

ED4 : Innovation Thérapeutique : du Fondamental à l'Appliqué

ED5 : Agriculture, Alimentation, Biologie, Environnement, Santé

ED6 : Sciences du végétal: du gène à l'écosystème

**In January 2021**

## **Election of PhD students representative – 3 PhD Students**

- Display of electoral lists : November 30
- Submission of candidate lists : January 11
- Ballot : last week of January

## **How to be a candidate?**

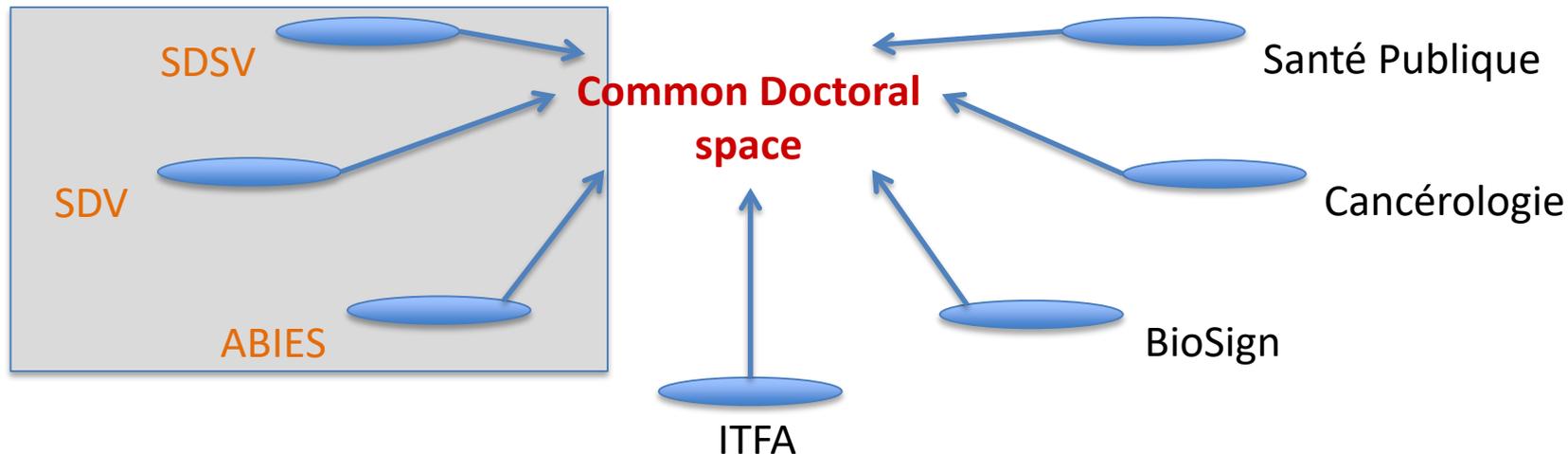
GENERAL:

<https://www.universite-paris-saclay.fr/listes-et-candidats-aux-elections-conseils-des-gs-et-ecole-universitaire-premier-cycle>

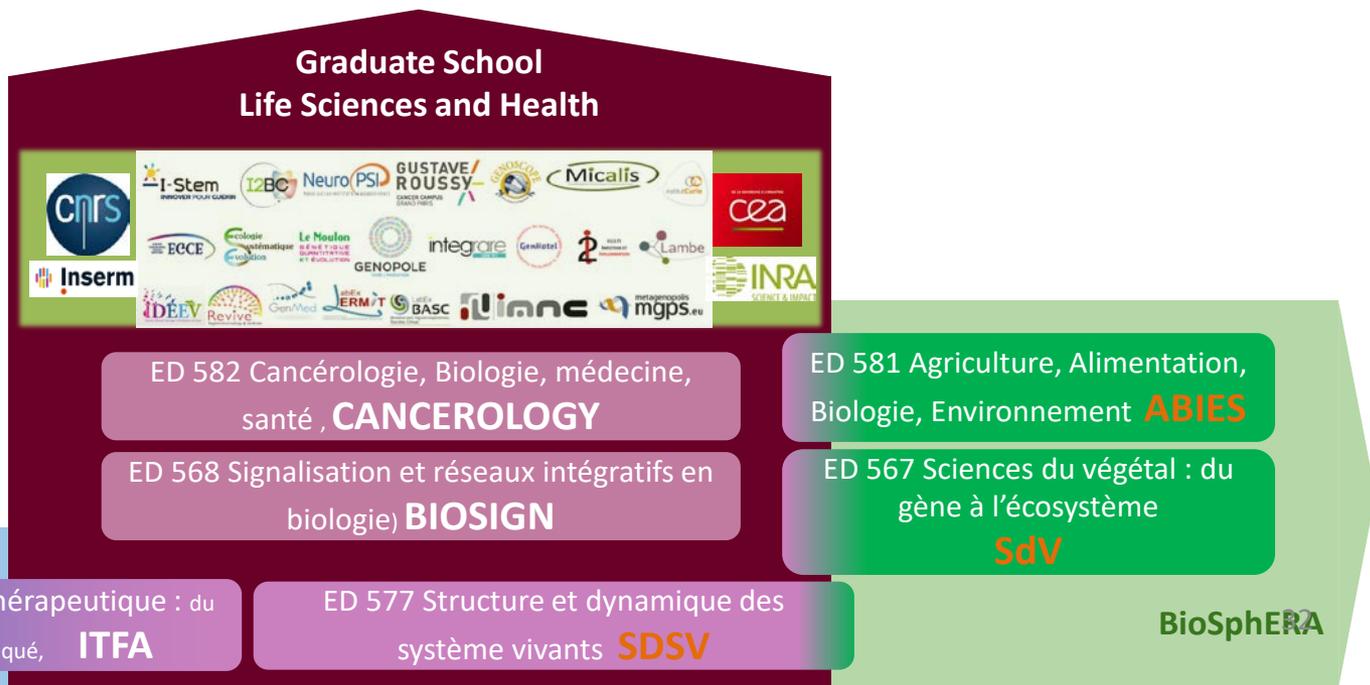
Shared table on the web for GS LSH:

<https://clicktime.symantec.com/3Bsjmugao3RgVj5eYkLXWnK6H2?u=http%3A%2F%2Fcirrus.universite-paris-saclay.fr%2Fs%2F8fPXBCE7fcPAQaf>

## Old relationships with others doctoral school



## Now, relationships inside the GS LSH



## Autumn school: how to build a project?

### Relationships with others doctoral school (2018)

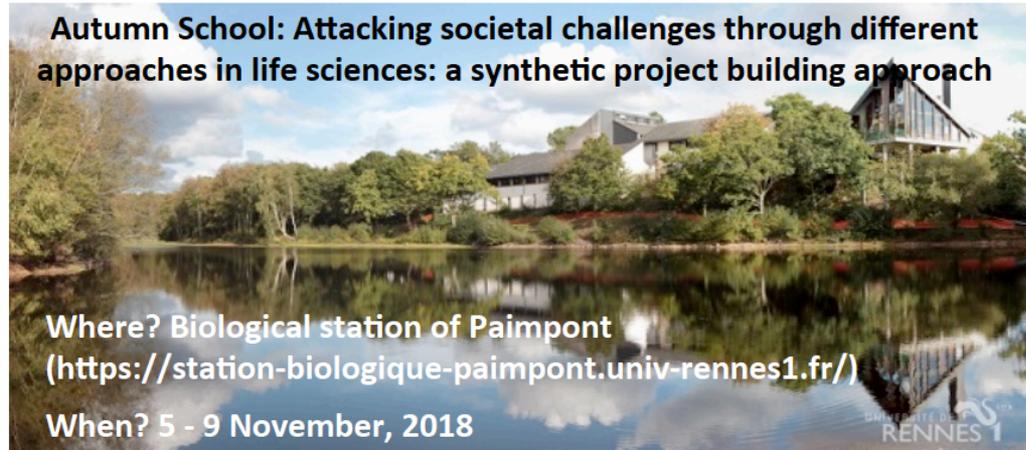
#### Ecoles doctorales



#### Universités - Ecoles



Autumn School: Attacking societal challenges through different approaches in life sciences: a synthetic project building approach



Where? Biological station of Paimpont  
(<https://station-biologique-paimpont.univ-rennes1.fr/>)

When? 5 - 9 November, 2018

**Why?** Learn to respond to a call for proposals and write a project that mobilises different approaches in Biology.

**How?** Individual and group effort in project formulation, experimental and work package planning and coordination, aided by regular informal interactions with a team of confirmed professors and researchers. Talks about constructing research networks by these experts. Oral presentation and defence of the project.

**Who?** Biology doctoral researchers (mainly from EDs of Paris-Saclay)

**How many?** 35 doctoral researchers and 8 or 9 experts

#### Organisateurs et contacts :

- Jacqui SHYKOFF : [Jacqui.shykoff@u-psud.fr](mailto:Jacqui.shykoff@u-psud.fr)
- Alexandre PÉRY : [alexandre.pery@agroparistech.fr](mailto:alexandre.pery@agroparistech.fr)
- Pierre CAPY : [pierre.capy@u-psud.fr](mailto:pierre.capy@u-psud.fr)
- Yannick OUTREMAN : [yannick.outreman@agrocampus-ouest.fr](mailto:yannick.outreman@agrocampus-ouest.fr)

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## Direction de l'ED SDSV

- \*Florence GONNET, Directrice
- \*Pierre CAPY, Dir.-Adj.,  
-transition with J.C. SANDOZ
- \*Bernard MIGNOTTE, Dir.-Adj.
- \*Jean-Luc PERNODET, Dir.-Adj.,  
-transition with F. MALAGNAC

## Scientific board

- 1) 26 members including:
  - Director and Vice-directors (4 members)
  - 4 members of local units
  - 6 scientific experts from S DSV
  - **5 representatives of PhD students**
  - 6 scientific experts outside SDSV  
(academic research, private companies,  
socio-economic world)
  - 1 engineers / technicians
- 2) Executive committee :
  - 7 members of scientific board

## Administrative assistance

- Sandrine LE BIHAN, 150 PhD students  
+ overall administrative management
- Muriel LE POULARD, 80 PhD students

## Web site - Communication

- Rozenn LE GUYADER

## Administration

For all administrative points: registration, PhD defense, ADUM problems

- Muriel LE POULARD for all UEVE, UVSQ and ENS units, with IPS2 Lab., INRAE units except GABI Lab.

[muriel.lepoulard@univ-evry.fr](mailto:muriel.lepoulard@univ-evry.fr)

- Sandrine LE BIHAN for all the others UPSaclay units, including PSL units and GABI Lab., without IPS2 Lab.

[ed.sdsv@universite-paris-saclay.fr](mailto:ed.sdsv@universite-paris-saclay.fr)

## Direction

For all others points: annual interviews, specific problems...

- Florence Gonnet for UEVE units and IPS2 Lab.
- Bernard Mignotte for all UVSQ units, including BREED and VIM units
- Pierre Capy , Jean-Luc Pernodet, Fabienne Malagnac, Jean-Christophe Sandoz, for UPSaclay and PSL units, and GABI Lab.

# Who should you contact?

ADMINISTRATION CONTACT	UPSaclay Units	PSL Units	IPS2 Lab.	GABI Lab.	UVSQ Units	UEVE Units	ENS Units
Sandrine LE BIHAN							
Muriel LE POULARD							
DIRECTION CONTACT	UPSaclay Units	PSL Units	IPS2 Lab.	GABI Lab.	UVSQ Units	UEVE Units	ENS-UPS Units
Pierre CAPY							
Jean-Luc PERNODET							
Fabienne MALAGNAC							
Jean-Christophe SANDOZ							
Florence GONNET							
Bernard MIGNOTTE							
Isabelle GUENAL							

## Scientific direction and representatives of establishments (executive committee)

- Florence Gonnet, PR Université Évry-Val d'Essonne, directrice de l'ED
- Pierre Capy, PR Paris-Saclay, directeur adjoint
- Bernard Mignotte, PR Université Versailles-St-Quentin, directeur adjoint
- Jean-Luc Pernodet, DR CNRS, Paris-Saclay, directeur adjoint
- Graça Raposo, DR CNRS, PSL, teaching at Institut Curie
- Philippe Fossé, DR CNRS, ENS Paris-Saclay
- *Jean-Christophe Sandoz, DR CNRS, transition with P. Capy*
- *Fabienne Malagnac, PR Paris-Saclay, transition with J.-L. Pernodet*
- *Isabelle Guénel, PR Université Versailles-St-Quentin, transition with B. Mignotte in 2021*

## Representatives of Engineers, Technicians and Administrative staffs

- Sandrine Le Bihan, ITA CNRS, GQE-Le Moulon
- Gilles Lemaitre, Research engineer UEVE HDR, ISTEM

## Representatives of Research Units (executive committee)

- Ana BujBello, DR, Genethon, Évry
- Marie-Noëlle Dieudonné, PR Université Versailles-St-Quentin
- Henri-Jean Garchon, PR Université Versailles-St-Quentin
- Agathe Guilloux, PR à l'UEVE, mathématiques appliquées à la biologie
- Nathalie Bonnefoy, DR CNRS, pour Frédéric Bocard, Directeur de l'I2BC
- Charbel Maroun : CR INSERM, pour David Pastré, PR Université Évry-Val d'Essonne
- Claire Rogel Gaillard, DR INRA
- Delphine Sitterlin, MC-HDR, I2C UVSQ
- Julie Soutourina, CEA

## Representatives of research units (outside Paris-Saclay)

- Jean-Charles Cadoret, MCF à Paris-Diderot, Institut Jacques Monod
- Cosmin Saveanu, Institut Pasteur

## Representatives of Industry (executive committee)

Tamara Smokvina, Danone Nutricia Research - DANONE

## Invited members for the entrance examination

- Stéphane Aymerich, DR INRA
- Olivier Lespinet, PR Université Paris-Saclay
- Elisabeth Petit-Texeira, DR, GenHotel, UEVE
- Jean-Michel Rossignol, PR émérite, expert in Virology
- François Rouyer, DR INSERM
- Dominique de Vienne, PR-EM UPSaclay, expert in quantitative Genetics

## Representatives of PhD Students

- Gina Consentino, 2IC
- Luisa Ferreira Dos Santos, I2BC
- Marion Hoareau, LGBC
- Charlotte Mallart, I2BC
- Mohammed Seba, I2BC

## In 2018: Election of representatives of PhD students

- Electronic voting - using Balotilo
- Open on the 10<sup>th</sup> of December
- To the 14<sup>th</sup> of December
- Vote per site
  - UEVE (Evry)
  - UVSQ (Versailles St Quentin)
  - Paris-Sud, ENS, PSL

### UEVE (Number of seats = 1)

Julie Lê-Hoang	Génomoscope
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### UVSQ (Number of seats = 2)

Marion Hoareau	LGBC
Gina Cosentino	2IC

### Paris-Sud (Number of seats = 2)

Thomas Denecker	I2BC
Mohammed Seba	I2BC
Laura Belot	I2BC
Charlotte Mallart	I2BC
Luisa Ferreira dos Santos	I2BC

In 2021, there will be other elections.  
 Do not hesitate to submit your candidacy!

## Scientific domains

- Structure and spatial organization of macromolecules
- Structural and functional dynamics of genomes
- Environmental genomics and transcriptomics
- Molecular, cellular and developmental processes
- Molecular evolution (structural and functional)
- Gene and cell therapies
- Microbiology, virology
- Immunology, hematology
- Population genetics and genomics and quantitative genetics
- Chemistry, physics, mathematics and bioinformatics for systems understanding in an integrative approach (Living Systems Modeling, Systems Biology, Synthetic Biology)

## Scientific units

- Research organisms and Universities : UPSaclay, UVSQ, UEVE, ENS, CNRS, INRA, CEA, INSERM, Curie Institute, Pasteur Institute, Jacques Monod Institute, several hospitals...
  - I2BC (Institute for Integrative Biology of the Cell)
  - IPS2 (Institute Plant Science Paris-Saclay)
  - NeuroPSI (Paris-Saclay Institute of Neuroscience)
  - IDEEV (Institute of Diversity, Ecology and Evolution)
  - MC2I (Cell Death, Inflammation, Infection)
  - CNRGH (National Center for Research in Human Genomics)
  - Micalis Institute
  - Genethon (INTEGRARE)
  - GM (Metabolic Genomics)
  - Few groups abroad : USA, Madagascar...
  - .....

## Data of SDSV doctoral school (3 universities)

- \* 511 supervisors and co-supervisors, whose 338 HDR
- \* Approximately 250 PhD students : 60% of women, more than 10 nationalities

## - **Governmental Fellowships**

- Competitive exam in June
- All procedures are on the web site of Paris-Saclay and on that of SDSV
  - <https://www.universite-paris-saclay.fr/fr/formation/doctorat/structure-et-dynamique-des-systemes-vivants-0#l-ecole-doctorale>
  - <http://www.ed-sdsv.universite-paris-saclay.fr/>

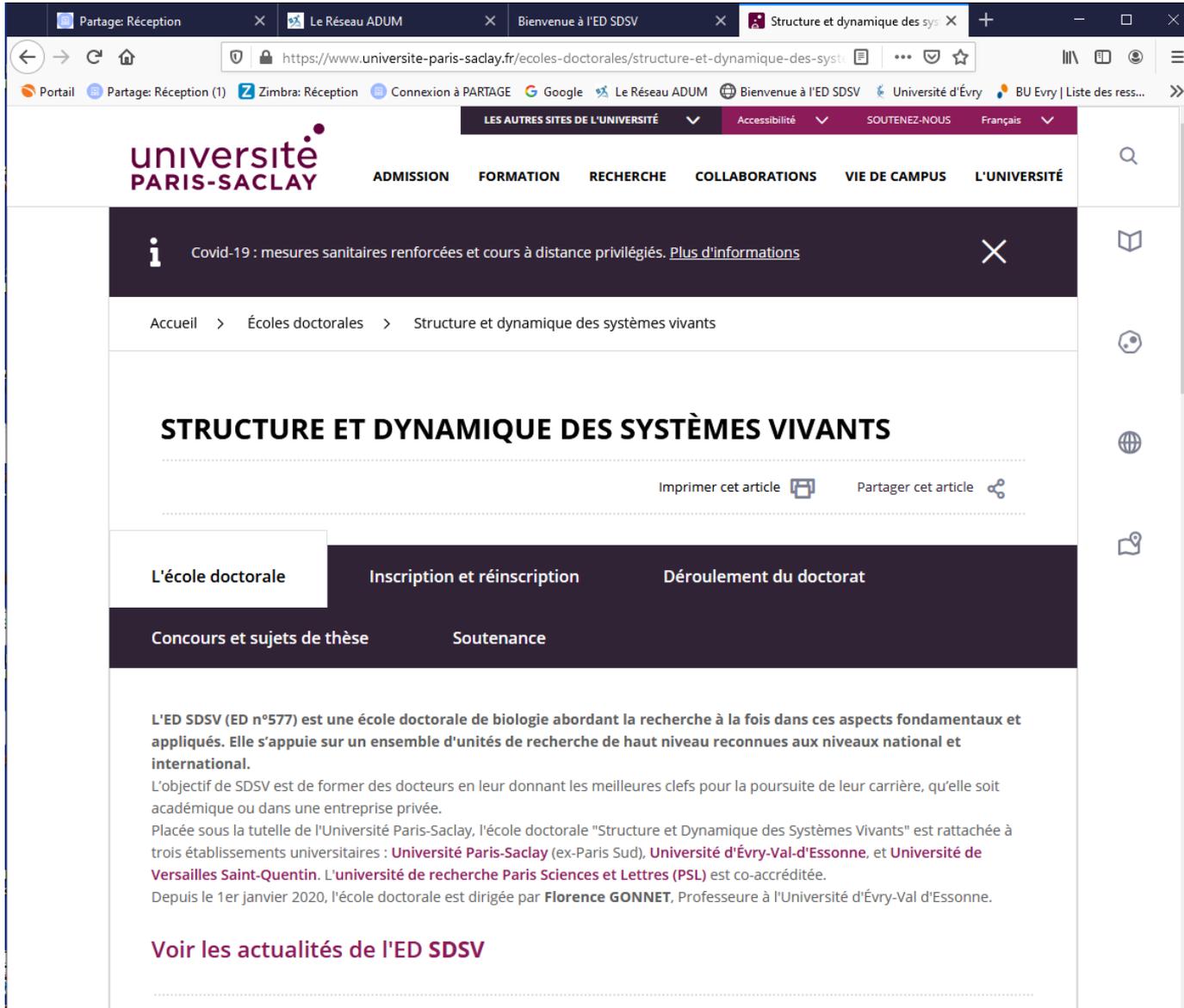
## - **External Fellowships (before and after the competitive exam)**

- Audition by the executive committee in autumn

## - **Selection criteria**

- Student Curriculum Vitae: adequacy between training/stages and PhD project
- The quality of the training file
- The rate of supervision of the HDR
- Relevance and feasibility of the project in 3 years

<https://www.universite-paris-saclay.fr/fr/formation/doctorat/structure-et-dynamique-des-systemes-vivants-0#l-ecole-doctorale>



Portail | Partage: Réception (1) | Zimbra: Réception | Connexion à PARTAGE | Google | Le Réseau ADUM | Bienvenue à l'ED SDSV | Université d'Évry | BU Evry | Liste des ress...

LES AUTRES SITES DE L'UNIVERSITÉ | Accessibilité | SOUTENEZ-NOUS | Français

université PARIS-SACLAY | ADMISSION | FORMATION | RECHERCHE | COLLABORATIONS | VIE DE CAMPUS | L'UNIVERSITÉ

**COVID-19** : mesures sanitaires renforcées et cours à distance privilégiés. [Plus d'informations](#)

Accueil > Écoles doctorales > Structure et dynamique des systèmes vivants

## STRUCTURE ET DYNAMIQUE DES SYSTÈMES VIVANTS

Imprimer cet article | Partager cet article

**L'école doctorale** | Inscription et réinscription | Déroulement du doctorat

Concours et sujets de thèse | Soutenance

L'ED SDSV (ED n°577) est une école doctorale de biologie abordant la recherche à la fois dans ces aspects fondamentaux et appliqués. Elle s'appuie sur un ensemble d'unités de recherche de haut niveau reconnues aux niveaux national et international.

L'objectif de SDSV est de former des docteurs en leur donnant les meilleures clefs pour la poursuite de leur carrière, qu'elle soit académique ou dans une entreprise privée.

Placée sous la tutelle de l'Université Paris-Saclay, l'école doctorale "Structure et Dynamique des Systèmes Vivants" est rattachée à trois établissements universitaires : **Université Paris-Saclay** (ex-Paris Sud), **Université d'Évry-Val-d'Essonne**, et **Université de Versailles Saint-Quentin**. L'**université de recherche Paris Sciences et Lettres (PSL)** est co-accréditée.

Depuis le 1er janvier 2020, l'école doctorale est dirigée par **Florence GONNET**, Professeure à l'Université d'Évry-Val d'Essonne.

**Voir les actualités de l'ED SDSV**

<http://www.ed-sdsv.universite-paris-saclay.fr/>

The screenshot shows the homepage of the SDSV website. The browser address bar displays [www.ed-sdsv.universite-paris-saclay.fr/index.html](http://www.ed-sdsv.universite-paris-saclay.fr/index.html). The page features a navigation menu at the top and several content sections:

- L'école doctorale SDSV**: Includes links for Présentation, L'équipe SDSV, Contacts, and Règlement intérieur de l'ED.
- Vie de l'école**: Contains news such as Florence Gonnet's direction, the 2020 campaign for ED contracts, and the 21/05/19 scientific council report.
- Le doctorat**: Lists information on inscription, the committee, and various forms.
- Financements**: Details doctoral contracts, complementary financing, and mobility aids.
- Direction de thèse**: Provides principles, attachment procedures, and a list of researchers.
- Liens utiles**: Lists associations like YOUR 12BC and ABG-Intelli'agence.
- Actualités**: A central section with dates and news items, including a 2021 call for applications and a seminar.
- Soutenances**: A purple-bordered box containing a list of upcoming defenses with names and dates.
- Publications des doctorants**: An orange-bordered box listing recent publications by PhD students from various journals.
- Offres de postes et de thèses**: A section for job and thesis offers.

Two callouts are present: a green-bordered box labeled "PhD Committee" with the email [ed.sdsv@universite-paris-saclay.fr](mailto:ed.sdsv@universite-paris-saclay.fr), and a blue-bordered box containing the same email address.

You must send your publications as 1st author to the ED, to advertise yourself but also to have the opportunity to discuss with other PhD students of the ED who would work on subjects or would use similar approaches.

You must send your date of PhD defense, which may be a great interest to other PhD students.



<http://www.adum.fr/>

English version

Ask if you are lost....

## ESPACE PERSONNEL

Ce site est optimisé pour Google Chrome, Mozilla Firefox et Safari.  
Merci d'utiliser un de ces navigateurs

*Vous entrez dans une zone réservée*

Votre adresse email :

Mot de passe :

[SE CONNECTER](#)

[J'ai oublié mon mot de passe](#)

[CRÉER UN COMPTE](#)

[CREATE AN ACCOUNT](#)

[Intranet >>](#)

**Votre espace personnel** est l'espace unique dédié à toutes vos démarches d'inscription, de réinscription et de soutenance de thèse.

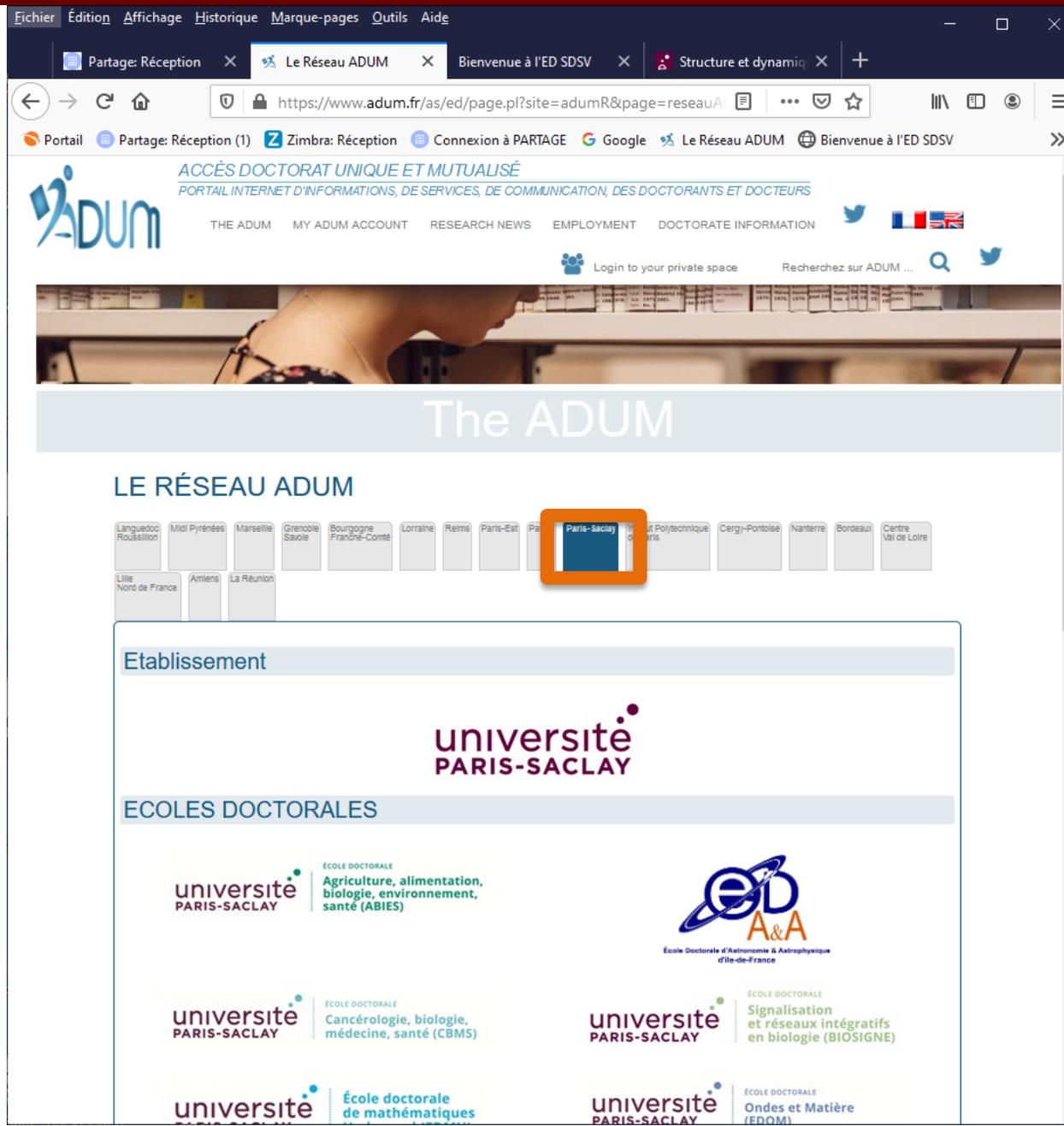
Il vous permet :

- d'accéder à votre dossier qui regroupe toutes vos informations
- d'effectuer votre actualisation annuelle
- de déposer les pièces administratives demandées
- d'accéder aux services du réseau ADUM :
  - offres d'emploi
  - réseau des doctorants et docteurs
- de gérer votre présence dans les annuaires
- de mettre en ligne votre profil de compétences
- de vous inscrire aux formations
- d'assurer la diffusion en ligne de votre thèse sur des plateformes dédiées
- d'imprimer votre formulaire d'enregistrement de thèse soutenue

**Cookies :** En vous connectant vous transmettez un ou plusieurs cookies à votre ordinateur (ou autre appareil). Nous utilisons ces cookies uniquement pour faciliter votre navigation.

Ces cookies ne sont pas conservés et ne sont pas exploités et ne servent qu'à gérer les sessions, ils sont détruits au redémarrage du navigateur.

# REGISTRATION on ADUM



The screenshot shows a web browser window with the URL <https://www.adum.fr/as/ed/page.pl?site=adumR&page=reseauA>. The page header includes the ADUM logo and navigation links: THE ADUM, MY ADUM ACCOUNT, RESEARCH NEWS, EMPLOYMENT, DOCTORATE INFORMATION. Below the header is a search bar and a login prompt. The main content area is titled "The ADUM" and "LE RÉSEAU ADUM". A grid of regional buttons is displayed, with "Paris-Saclay" highlighted by an orange box. Below this grid is a section titled "Etablissement" featuring the "université PARIS-SACLAY" logo. The "ÉCOLES DOCTORALES" section lists several doctoral schools: "Agriculture, alimentation, biologie, environnement, santé (ABIES)", "Cancérologie, biologie, médecine, santé (CBMS)", "École doctorale d'Astronomie & Astrophysique d'Île-de-France (A&A)", "Signalisation et réseaux intégratifs en biologie (BIOSIGNE)", and "École doctorale de mathématiques".

ACCÈS DOCTORAT UNIQUE ET MUTUALISÉ  
PORTAIL INTERNET D'INFORMATIONS, DE SERVICES, DE COMMUNICATION, DES DOCTORANTS ET DOCTEURS

THE ADUM MY ADUM ACCOUNT RESEARCH NEWS EMPLOYMENT DOCTORATE INFORMATION

Information

My ADUM account

## PROFILE

Only doctoral students or doctors who are part of one of the [partner institutions](#) or [doctoral schools](#) may create an account in order to apply and register to a doctorate.

Before creating your account and in order for you request to be valid, you must have contacted your future thesis supervisor, the laboratory and have chosen a research subject.

Once you have requested an account, the administrative agent in charge who was selected by the institution that will award the doctorate will have full authority to activate, or not, your profile and make it visible on the web (if you chose to do so).

To create your account [CLICK HERE](#). Your browser must accept cookies.

To access your personal account [CLICK HERE](#). Your browser must accept cookies.

## DISPLAY OPTIONS

Every doctoral candidate and doctor who owns an ADUM profile can decide what information is available on the Internet.

By default, and if you have agreed to be visible online when you created your profile, only the information relating to your thesis and to the diploma you obtained before will be available.

You will be able to add your CV and your photo to your profile, indicate your on-going work and your work experience.

In order to choose your display options, [login](#) and go to the "Display management" tab in your ADUM profile.

https://www.adum.fr/as/ed/page.pl?site=adumR&page=profil

## ADUM - Important reminders

- The ADUM file must be completed with as much details as possible, in terms of name, contact (phone, email, etc.), affiliation, etc..
- The training courses taken must also be filed in ADUM with the appropriate certificate. In addition, we remind you that **training in scientific ethics is mandatory.**
- Registration files must be completed carefully so as not to be rejected. **The PDF must contain all the supporting documents requested** and in the order requested to facilitate the work of managers. Any incomplete file will be rejected and the duration of its processing will therefore be extended.
- Registration is totally **dematerialised**: you must finalise your registration, then your thesis director must sign, then your unit director, then the doctoral school, before the UPSaclay presidency.
- **ADUM is a Database**
  - Must be **up-dated** during the PhD and during (at least) 3 years after the PhD defense
  - Many informations / survey ... will be sent *via* ADUM

- **Annual interview for first and all other registrations**
  - With one member of the direction team
    - Florence Gonnet for UEVE units and IPS2 Lab.
    - Bernard Mignotte for all UVSQ units, including BREED and VIM units
    - Pierre Capy , Jean-Luc Pernodet, Fabienne Malagnac, Jean-Christophe Sandoz, for UPSaclay and PSL units, and GABI Lab.
  - Presentation of the doctoral school:
    - Structure, rules, right and duty of PhD students
  
- **PhD Committee : compulsory 6 MONTHS AFTER the first registration**
  - First year in january-February
  - Second year
  - Third year
  - **Every year before the next registration (no derogation)**

## PhD Committee: Planning to keep in mind

- One meeting of the committee **each year**
- Planning of the experiments for the **coming year**



## PhD Committee

### Objectives

The aim of the thesis committee is to review the scientific aspects (on the programming and progress of the work), on the supervision, on the training courses and the professional project of the PhD student. It allows too to specify objectives for the following year.

### Composition

The thesis committee consists of **at least** two scientific experts chosen outside the doctoral laboratory (including the tutor) and the thesis supervisor(s). The experts are proposed by the PhD student in consultation with the thesis supervisor(s) and submitted to the Direction of the Doctoral School for approval.

## PhD Committee

The meeting organization is entirely managed by the PhD student, who must contact the persons concerned sufficiently in advance to respect the deadlines.

The proposed sequence of the meeting is as follows:

- Presentation of the work by the PhD student and then scientific discussion
- Discussion on the professional project and the trainings
- Separate interview of the thesis supervisor(s) by the external experts
- Separate interview of the student by the external experts.
- At the end of the meeting, a short report is written by the experts and the tutor, and **DEPOSITED ON ADUM after being signed.**

In particular, this report must give the opinion of the committee on the progression of the thesis project, the achievements at the time of the meeting, the difficulties encountered (scientific or personal) and whether the thesis can be pursued.

## What is requested before the PhD defense?

- **Your thesis in 3 years**
  - Possible derogation for a 4th year, if there is a financial support
  - **No 5th year**
  - Possibility of European PhD
- **At least 100h of trainings**
  - We can help you up to 600 € per year
- **A least one paper in first author**
  - International Journal (rank A with peer review)
- **Maintain your file with up to date informations during 3-5 years after the defense**

- **Master Courses (second or first year)**
  - Check on the web site of the university
  - You do not have to take the exam
- **Doctoral School courses – check in all Doctoral Schools**
  - Training in the field of ethics (compulsory) – See for instance Poletis Paris-Saclay
  - Curie Orsay Course, Statistiques with R, Introduction to Biopython ...
  - Big Data training (M2 Gen2Ev)
  - Training in the field of imaging
  - Learn a new technics outside the PhD lab
  - .....
- **Check the list proposed by Paris-Saclay, IRTELIS program, Collège de France**
  - General trainings
  - Languages, how to write a scientific paper, Doctoriales....
- **Congress, workshop, ...**
  - We can help you: to 600 € per year
- **Training to teach (but not teaching)**
- **SPECIAL EVENTS OF SDSV**
  - The annual day of the doctoral school
  - Particular events

**Ask for a certificate to the person  
in charge of the training and  
put it on ADUM**



## Première Journée de l'ED SDSV

Mercredi 4 mars 2015 – IMAGIF, Campus CNRS, Gif-sur-Yvette

### Programme

8h45 : ouverture-accueil

9h00 : Pierre Capy, Directeur de l'ED - Accueil des participants

#### Session 1

9h15 : Cécile Patissier - Molecular mechanisms and therapeutic approaches for sarcoglycanopathies

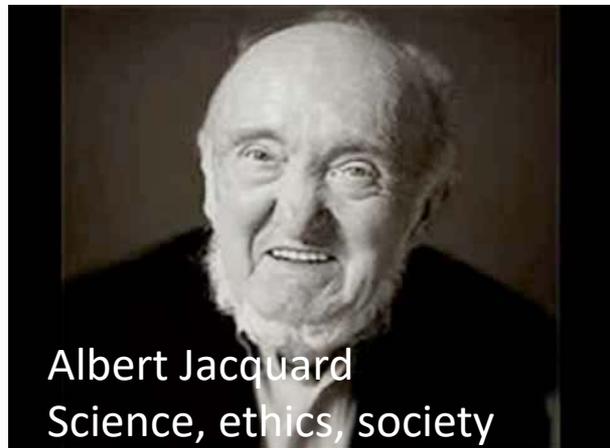
9h30 : Pierre Jacob - Découverte de nouvelles voies de signalisation du stress abiotique chez *Arabidopsis thaliana*

9h45 : Julie Bourseguin - FANCD2 fonctionne en aval du facteur de transcription MITF pour maintenir la prolifération et la survie des cellules du mélanome

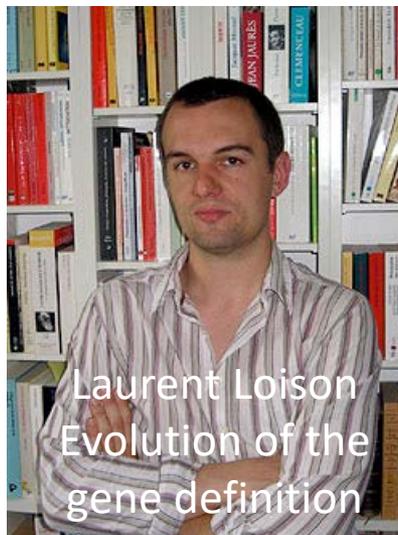
10h00 : Laras Pitayu - Etude neurophysiologique et comportementale du frelon asiatique *Vespa velutina*

10h15 : Quentin Khebizi - Anterior Chamber Associated Immune Deviation (ACAID): a new mechanism to inhibit specifically anti-transgene cellular immune responses in the context of systemic gene transfert ?

Day attendance  
counts as 10h of  
PhD training



Albert Jacquard  
Science, ethics, society



Laurent Loison  
Evolution of the  
gene definition



2015  
Guillaume  
Lecoindre  
La Science et la  
République



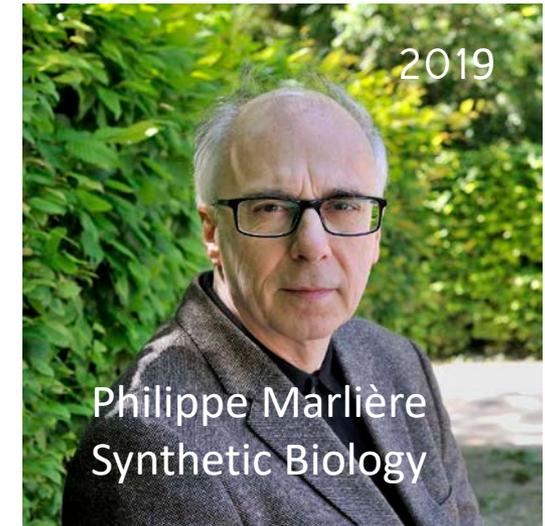
Nicole Le Douarin  
Stem Cells



Jean-Michel  
Claverie  
Giant viruses



2016  
Patrick Winckler  
Tara Ocean



- **In 2021, March 23, at Gif/Yvette – CNRS Campus or visio-conference**
- Like a workshop – PhD Student in third year can present their works
- **Special talk at the end of the Day:**  
**Prof. Ludovic ORLANDO**, AMIS, Université Paul Sabatier, Toulouse  
**« Traveling back in time:  
from ancient DNA molecules to genomes, individuals,  
populations and ecosystems »**

## BioScience Insights

- organized with representatives of the PhD Students and the association Your I2BC

### BioScience Insights Session 1

A program open mainly for all PhD Students

#### OUR AIMS

An invited expert will give a talk about scientific insights of his field of research.  
The next interesting part is to give PhD students the opportunity to have a scientific discussion with the expert.

### Edith Heard

expert in the 3D organization of the Genome  
Professor at Collège de France  
Head of the Genetics and Developmental Biology  
Department of the Institut Curie  
Future Director of EMBL CONCIL

29th Sep 2017  
at 2 PM  
Gif-Sur-Yvette

**For Registration**  
(Free of charge, but Mandatory before 20th Sep)



### BioScience Insights Session 2

A program open mainly for all PhD Students

#### OUR AIMS

An invited expert will give a talk about scientific insights of his field of research.  
The next interesting part is to give PhD students the opportunity to have a scientific discussion with the expert.

### David Bikard

expert in CRISPR System  
Team Leader at Pasteur Institute

25th of May 2018  
at 2 PM  
Gif-Sur-Yvette

**For Registration**  
(Free of charge, but Mandatory before 10th of May)



**Day attendance  
counts as 5h of  
PhD training**

- International Journal (rank A with peer review)
- Before to defend your PhD
  - If you have not yet published your results, you must request an exemption and argue why no results have been published and when you plan to publish them.
  - The exemption will only be accepted if a full draft is ready and submitted to a journal or at least deposited on a platform such as *HAL*, *BioRxiv* or others.
  - PCI recommendations are accepted as regular paper
  - No possibility for your supervisor to have a new student before the publication of your results.

## Administrative process completely dematerialized BUT:

- **4 months before:**
  - discuss with your director concerning the jury composition: you must follow the rules which can be found on the ED website
- **6 months before:**
  - discuss with your director concerning the confidentiality of your thesis manuscript (tapuscript)
- **24-30 months before (just at the beginning of your thesis):**
  - discuss with your director concerning the possibility to obtain the European Doctorate Label

- Recognition of the European dimension of a doctorate
- The “European Doctorate”, or “Doctor Europaeus” is a label awarded by Université Paris-Saclay and applies to the national doctorate diploma, already internationally recognised under the European Undergraduate-Graduate-Post-Graduate framework, and which enables recognition of the European dimension of the PhD project.
- It is open to PhD students from European Community member countries, and extended to other states of the European Free Trade Association (Switzerland, Iceland, Norway, Lichtenstein).
- All European Community institutions authorised to deliver a doctorate can also deliver the “European Label” upon completion of the oral thesis presentation, subject to the following conditions:

- The doctorate must, in part, have been prepared during a **research internship period of at least three months in another European country.**
- Oral thesis presentation authorisation is granted on the basis of reports submitted by **at least three professors** comprising at least two from higher education institutions **from two European countries other than the country** in which the oral thesis presentation is to be held. The host laboratory representative cannot submit this report.
- At least one member of the jury should belong to a European higher education institution from a different country to that in which the oral thesis presentation is held.
- **Part of the oral thesis presentation should be conducted in an official language of the European Community which is not the language of the country in which the presentation is held.**

# Wellcome to The Doctoral School « Structure et Dynamique des Systèmes Vivants »

1. Who are we?
2. The Paris-Saclay Context
3. The SDSV Doctoral School
4. Questions / Answers

