

université
PARIS-SACLAY

Ecole Doctorale
« Structure et Dynamique des
Systemes Vivants - SDSV »

Doctoral School
« Structure and Dynamics of Living
Systems - SDLS »

December 21, 2023

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

Who are we?

Fabienne MALAGNAC
UPSaclay



Jean-Christophe SANDOZ
UPSaclay



Isabelle GUENAL
UVSQ



Florence GONNET
UEVE



Jean-Luc PERNODET
DR émérite
Expert

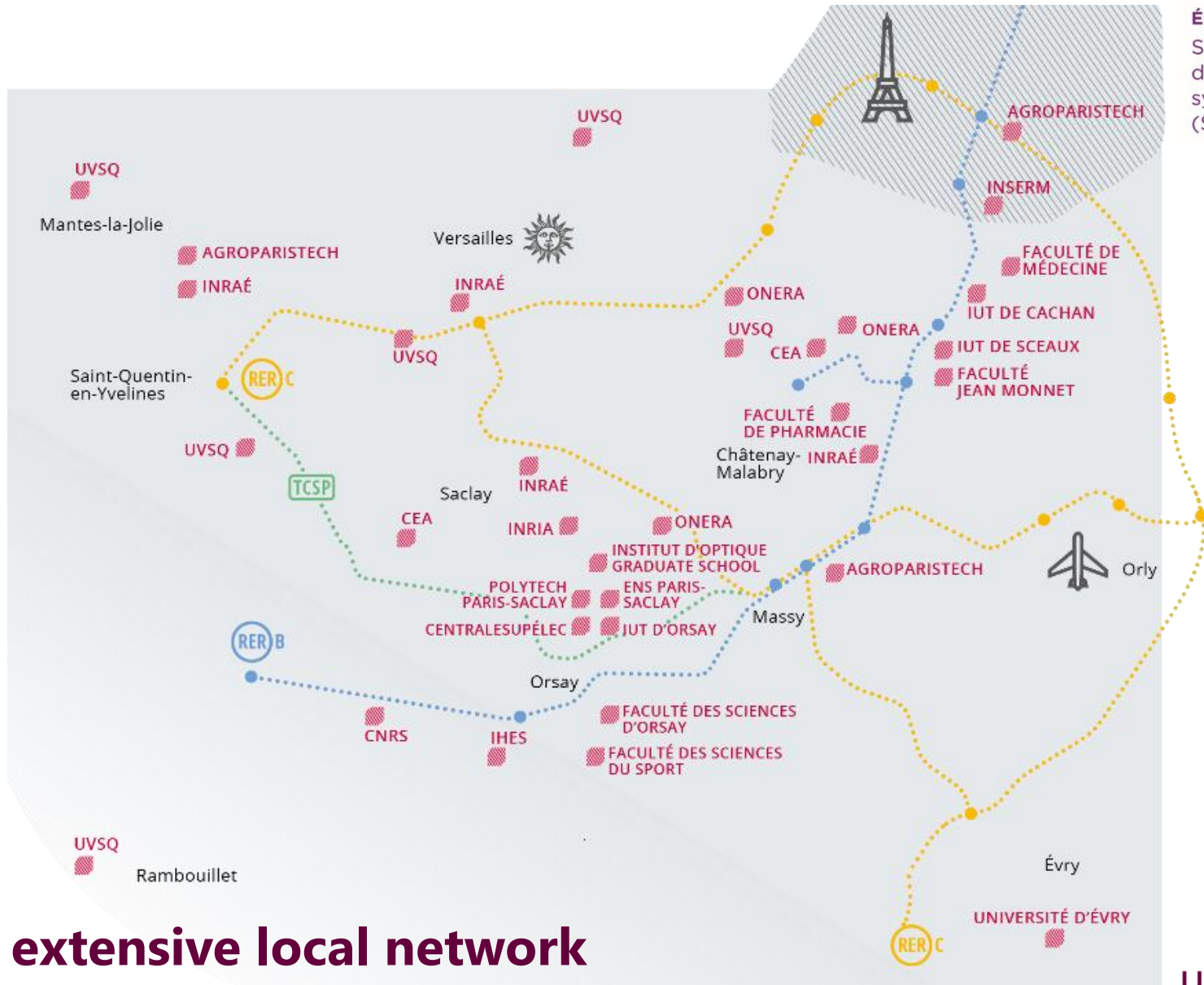


Bernard MIGNOTTE
Pr. Émérite
Expert



The Paris-Saclay context

ÉCOLE DOCTORALE
Structure et
dynamique des
systèmes vivants
(SDSV)



An extensive local network

The Paris-Saclay context



FACULTÉ DE
MÉDECINE

FACULTÉ DE
PHARMACIE

FACULTÉ
DES SCIENCES

FACULTÉ
DES SCIENCES
DU SPORT

FACULTÉ
JEAN MONNET
DROIT-ÉCONOMIE-GESTION

IUT DE CACHAN

IUT DE SCEAUX

IUT D'ORSAY



OBSERVATOIRE
DES SCIENCES
DE L'UNIVERS



Paris-Saclay University in figures

PhD

4,600 
PhD students

4,700 
Supervising
researchers and
academic staff

21 
Doctoral
schools

18 Graduate schools
and Institute

 45% International
PhD students

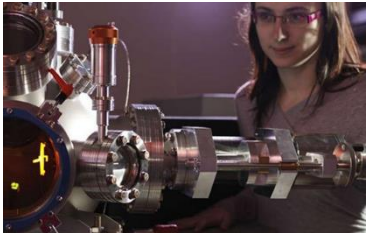
General organisation of Paris-Saclay University

3 main areas

Life and health science



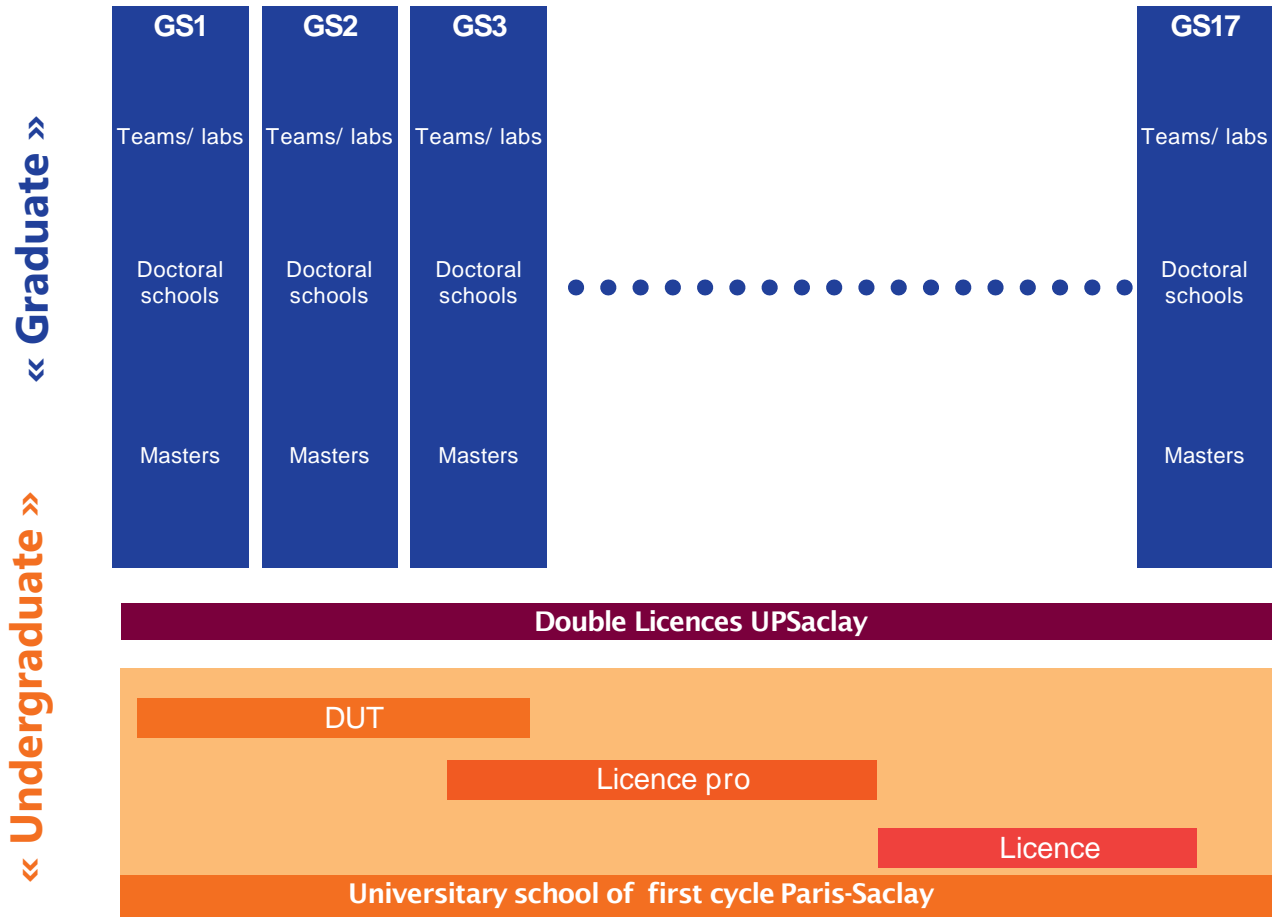
Science and engineering



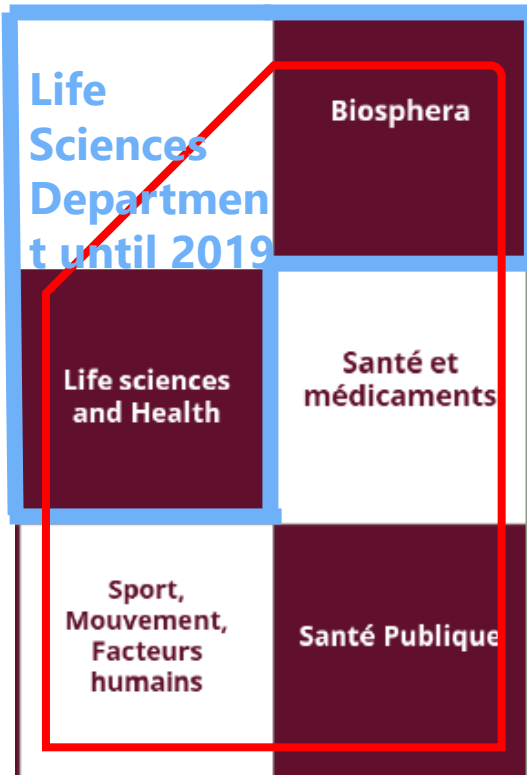
Social sciences and humanities



15 disciplinary GS + 2 transversal GS + 1 institute



AREA: *Life and health science*



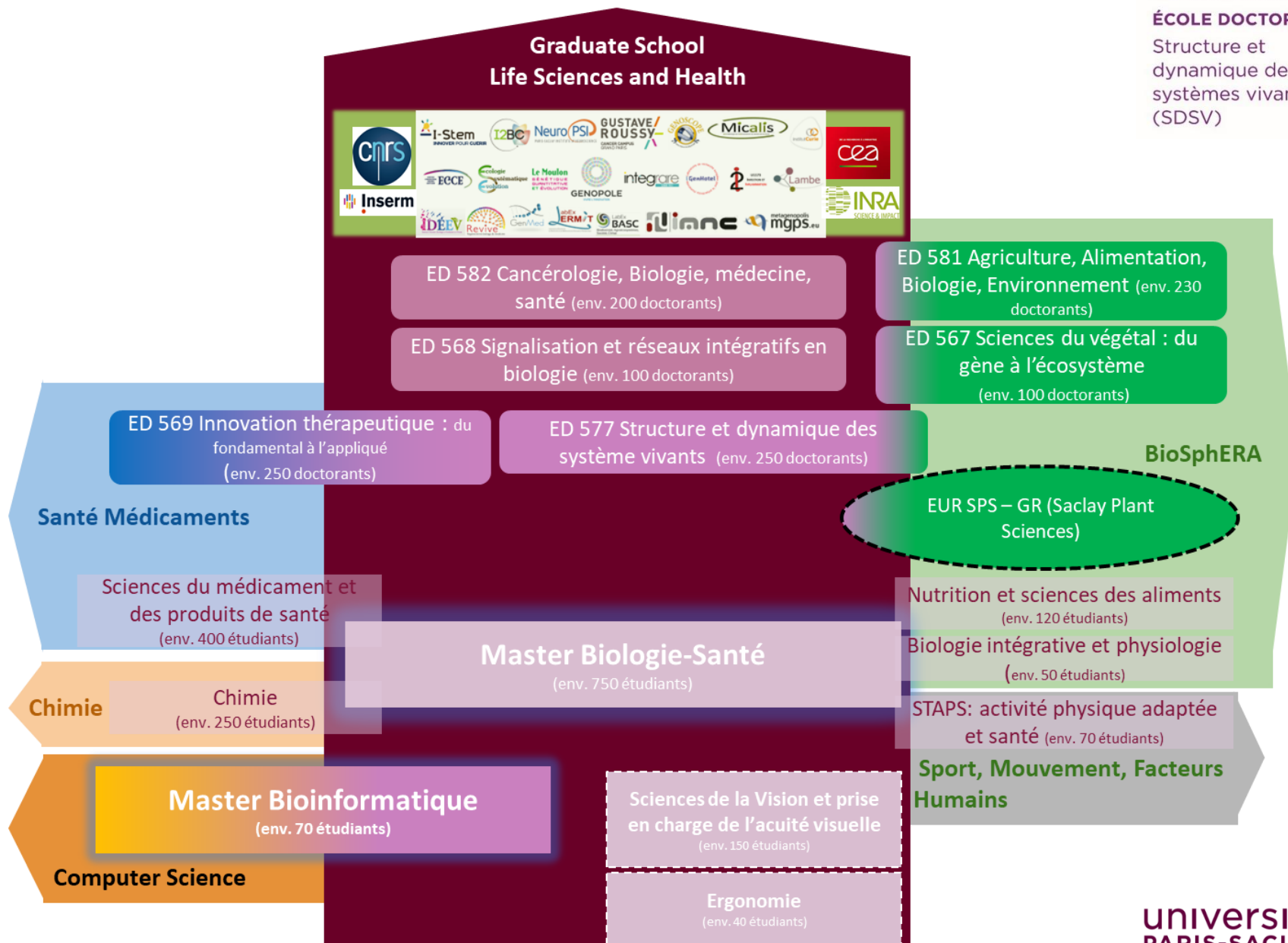
PhD students of SDSV doctoral school are in:

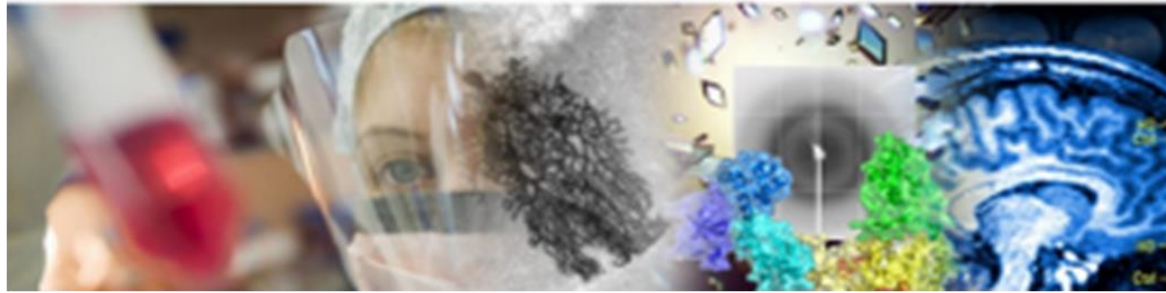
- **LSH (Life Sciences and Health)**
Coordinator = Faculty of Sciences

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

Coordinator = AgroParisTech

The GS LSH in its ecosystem





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

Partners

université PARIS-SACLAY FACULTÉ DE MÉDECINE MANAGEMENT	université PARIS-SACLAY FACULTÉ DES SCIENCES D'ORSAY COORDINATION
AgroParisTech université PARIS-SACLAY	université evry Paris-Saclay université PARIS-SACLAY
école normale supérieure paris-saclay	UVSQ UNIVERSITÉ PARIS-SACLAY
université PARIS-SACLAY	université PARIS-SACLAY FACULTÉ DE PHARMACIE

Partner NRO

cea	cnrs	INRAE la science pour la vie, l'humain, la terre	Inserm La science pour la santé From science to health
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Associated NRO

ONERA THE FRENCH AEROSPACE LAB

Associated Operators

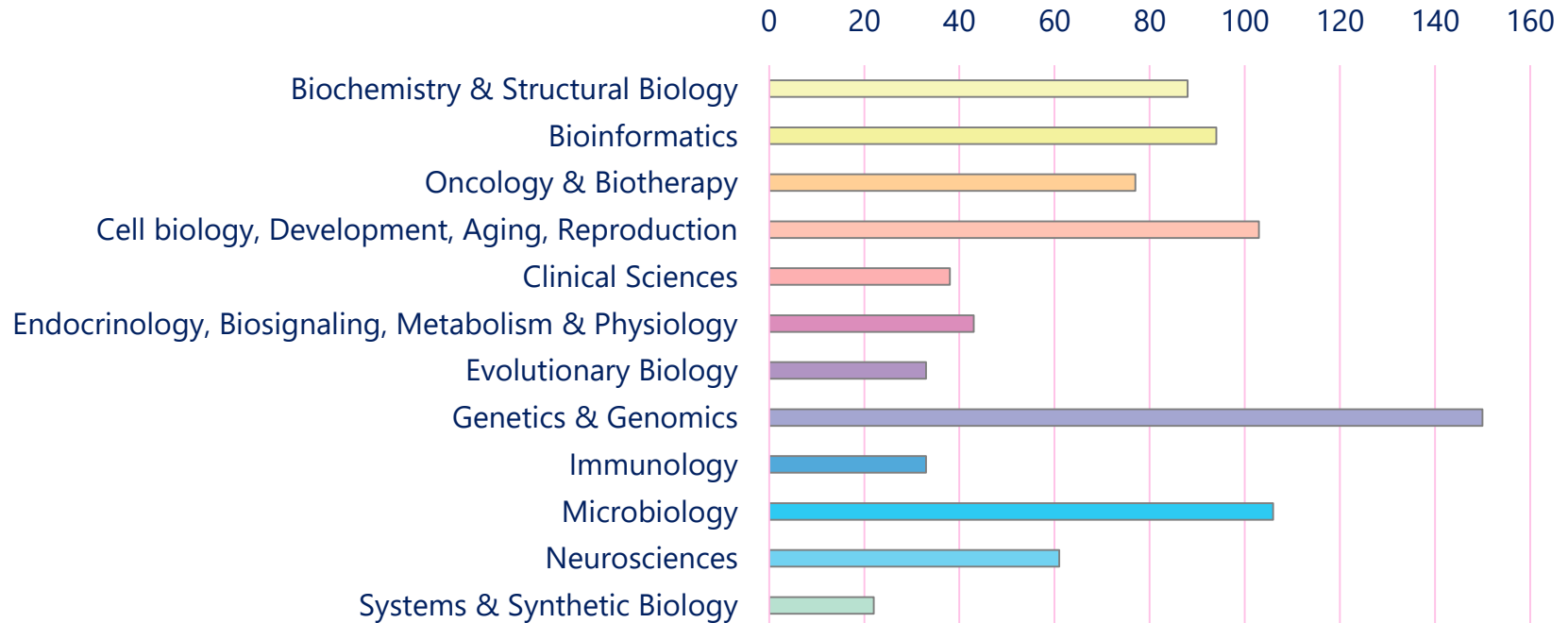
CentraleSupélec université PARIS-SACLAY	Inria
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Structuration into Graduate programs

> 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

The doctoral school of the GS LSH

Now,
relationships
inside the GS
LSH



ED 582 Cancérologie, Biologie, médecine,
santé, **CANCEROLOGY**

ED 581 Agriculture,
Alimentation, Biologie,
Environnement **ABIES**

ED 568 Signalisation et réseaux intégratifs
en biologie) **BIOSIGN**

ED 567 Sciences du végétal : du
gène à l'écosystème
SdV

Santé Médicaments

ED 569 Innovation thérapeutique :
du fondamental à l'appliqué, **ITFA**

ED 577 Structure et dynamique des
système vivants **SDSV**

BioSphERA

The SDSV organisational chart

Management team

- *Florence GONNET, Director
- *Jean-Christophe SANDOZ, Vice-director,
- *Isabelle GUENAI, Vice-director,
 - **transition with** Bernard MIGNOTTE, expert
- *Fabienne MALAGNAC, Vice-director,
 - **transition with** Jean-Luc PERNODET, expert

Administrative assistance

- HIRING IN PROGRESS, overall administrative management
- Sandy LOUIS (temporarily), 160 PhD students (referent Faculty of Sciences)
- Elissa VICTOIRE, 110 PhD students (referent UEVE, UVSQ, ENS-Paris-Saclay and PSL)

Scientific board

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

Web site - Communication

- HIRING IN PROGRESS

Who should you contact?

Administration

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

- Elissa VICTOIRE for all UEVE, UVSQ and ENS-Paris Saclay units, with IPS2 Lab., and INRAE units except GABI Lab.

etudes-doctorales@univ-evry.fr

- Sandy LOUIS (temporarily) for all the others UPSaclay units, including GABI Lab., without IPS2 Lab.

scolarite-doctorat.sciences@universite-paris-saclay.fr

- Florence GONNET for all the PSL units.

fgonnet@univ-evry.fr

Direction

For all other points: annual interviews, scientific or personal problems...

- Florence Gonnet for all UEVE units, ENS-Paris-Saclay units, IPS2 and PSL Labs.
- Isabelle Guéna, for all UVSQ units, including BREED and VIM Labs.
- Fabienne Malagnac, Jean-Christophe Sandoz, for UPSaclay and GABI Labs.

Scientific board : in reconstruction

Scientific direction and representatives of institutions

Representatives of Engineers, Technicians and Administrative staffs

Representatives of Research Units (inside Paris-Saclay)

Representatives of Research Units (outside Paris-Saclay)

Representative of Industry

Invited members for the entrance examination

Representatives of PhD Students (5 + 5 substitutes)

Representatives of PhD students

Le Barch Alexia	PhD UPSaclay
Guyard Valentin	PhD UPSaclay
Fages Mélanie	PhD UVSQ
Bouzid Kamila	PhD UVSQ
Skiada Sébastien	PhD UEVE

The SDSV Doctoral School

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)

The SDSV Doctoral School

Scientific units

- Universities and Research organisms :
 - UPSaclay (with ENS UPSaclay), UVSQ, UEVE,
 - CNRS, INRAE, CEA, INSERM,
 - ENS Paris, Curie Institute, Pasteur Institute, Jacques Monod Institute, several hospitals...

Data of SDSV doctoral school

- 65 research units
- 521 supervisors and co-supervisors, whose 356 HDR
- Approximately 270 PhD students :
 - 60% of women, more than 10 nationalities
- 85 defenses in 2023
- **BUT:** 66 files to be processed (today, December 21)

The SDSV WEB site

<https://www.universite-paris-saclay.fr/ecoles-doctorales/structure-et-dynamique-des-systemes-vivants-sdsv>

age: Réception × traduction anglais français - Re: × Structure et dynamique des syst × +

https://www.universite-paris-saclay.fr/ecoles-doctorales/structure-et-dynamique-des-systemes-vivants-sdsv

Partage: Réception Zimbra: Réception Connexion à PARTAGE Google Le Réseau ADUM Bienvenue à l'ED SDSV Université d'Évry BU Evry | Liste des ress... Compte Google >> Autres marque-pages

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

université
PARIS-SACLAY

ADMISSION FORMATION RECHERCHE COLLABORATIONS VIE DE CAMPUS L'UNIVERSITÉ

Accueil > Écoles doctorales > Structure et dynamique des systèmes vivants (SDSV)

STRUCTURE ET DYNAMIQUE DES SYSTÈMES VIVANTS (SDSV)

Imprimer cet article Partager cet article

L'école doctorale Sujets de thèse, admission et concours Inscription et réinscription

Formation doctorale et suivi Soutenance Contact

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.

Périmètre scientifique de l'ED SDSV Gouvernance Direction de thèse à SDSV Vie de l'ED SDSV

Registration on ADUM

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

English version

Ask if you are lost....

Partage: Réception x Le Réseau ADUM x Bienvenue à l'ED SDSV x Structure et dynamiq x + - □ x

← → ↻ 🏠 🔒 https://www.adum.fr ... 📄 📧 🌟 ☰

Portail Partage: Réception (1) Zimbra: Réception Connexion à PARTAGE Google Le Réseau ADUM Bienvenue à l'ED SDSV >>

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

L'ADUM MON COMPTE ADUM ACTU RECHERCHE EMPLOI INFORMATIONS DOCTORAT Connexion espace personnel

Recherchez sur ADUM ... 🔍 🐦 🇫🇷 🇬🇧

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. A search bar and a login link are also present. The main content area is titled "LE RÉSEAU ADUM" and features a grid of regional university logos. The "Paris-Saclay" logo is highlighted with a red box. Below this, a section titled "Etablissement" displays the "université PARIS-SACLAY" logo. The "ÉCOLES DOCTORALES" section lists several doctoral schools, each with its logo and name: ABIES (Agriculture, alimentation, biologie, environnement, santé), A&A (École Doctorale d'Astronomie & Astrophysique d'Île-de-France), CBMS (Cancérologie, biologie, médecine, santé), BIOSIGNE (Signalisation et réseaux intégratifs en biologie), and FROM (École Doctorale Ondes et Matière).

Registration on ADUM

Portail | Partage: Réception (1) | Zimbra: Réception | Connexion à PARTAGE | Google | Le Réseau ADUM | Bienvenue à l'ED SDSV

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

THE ADUM | RESEARCH NEWS | EMPLOYMENT | DOCTORATE INFORMATION

Information
My Private space

Login to your private space | Recherchez sur ADUM ...

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 your 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

Registration on ADUM

ADUM - Important reminders

- The ADUM file must be completed with as much details as possible, in terms of name, contact (cellphone, personal and professional emails, etc.), affiliation, etc..
- 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 administrator, then the doctoral school, then the graduate school, before the UPSaclay presidency.**
- The training courses taken must also be filed in ADUM with the appropriate certificate, number of hours and/or points and other things that we will see soon.
- **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

Follow-up during the thesis

- **Annual interview for first and all other registrations**
 - With one member of the direction team
 - Florence Gonnet for all UEVE units, ENS units (LBPA) and IPS2, PSL Labs.
 - Isabelle Guenal, Bernard Mignotte, for all UVSQ, BREED and VIM
 - Fabienne Malagnac, Jean-Christophe Sandoz, for UPSaclay and GABI Labs.
 - Presentation of the doctoral school:
 - Structure, rules, right and duty of PhD students
- **PhD Committee (CSI in french) : compulsory 6 MONTHS AFTER the first registration**
 - First year in **February**
 - Second year **MAXIMUM in June**, but February is better
 - Third year : 6 months before the end of the experiments
 - **Every year before the next registration (no derogation)**
- **THE CSI decides whether you can re-register or not**

Follow-up during the thesis

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



Follow-up during the thesis

Individual PhD student monitoring Committee (Comit  de Suivi Individuel)

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 **NOW** of **at least** two members with one outside the university: one scientific expert of the domain with HDR, and one non expert of the scientific domain. The members are proposed by the PhD student in consultation with the thesis supervisor(s) and submitted to the Direction of the Doctoral School for approval.

Follow-up during the thesis

Individual PhD student monitoring committee (CSI)

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 **ON THE Individual PhD student monitoring committee (CSI)** by the experts and the tutor, and **DEPOSITED ON ADUM after being DATED and signed.**

<https://www.universite-paris-saclay.fr/en/individual-phd-student-monitoring-committee-csi>

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.

The progress of the thesis

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 AND 25 points in terms of skill blocks**
- **A least one paper in first author**
 - International Journal (rank A with peer review)
- **You must maintain your file with up to date informations during 3-5 years after the defense**

Additional training

Référence: plan de formation doctorale, rédigé par Sylvie Pommier,
Octobre 2022

Additional Training during the PhD

Goals :

- To encourage the development of doctoral students' skills
- To strengthen their scientific culture
- To promote their international profile (especially mastering the English language)
- To prepare their professional future (aimed both at the private and public sectors)

Credit points :

- **180 ECTS** overall : **155 ECTS** for the doctoral work,
 25 ECTS for additional training }

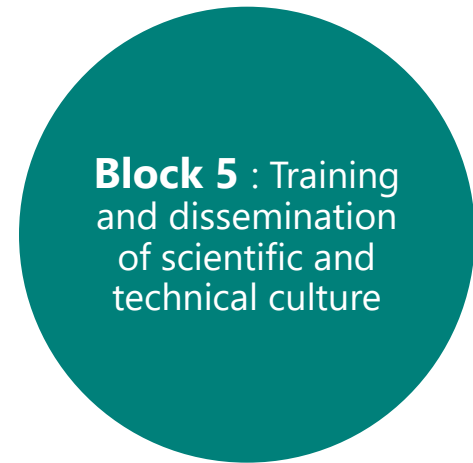


**Necessary for
defending the
PhD**

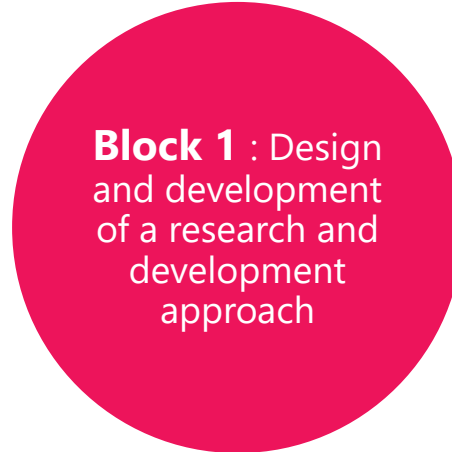
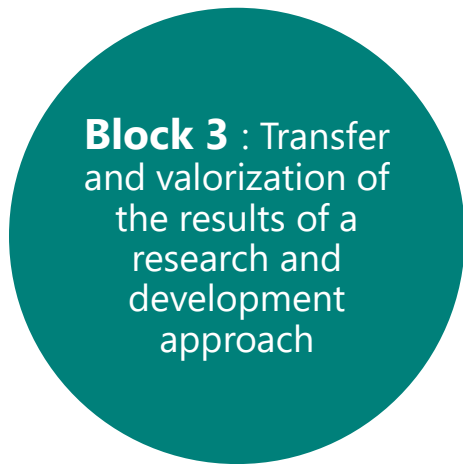
Mandatory training in :

- Research ethics and integrity
- Open science
- Sustainable development

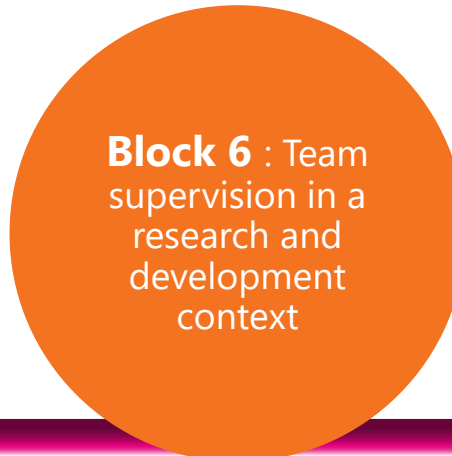
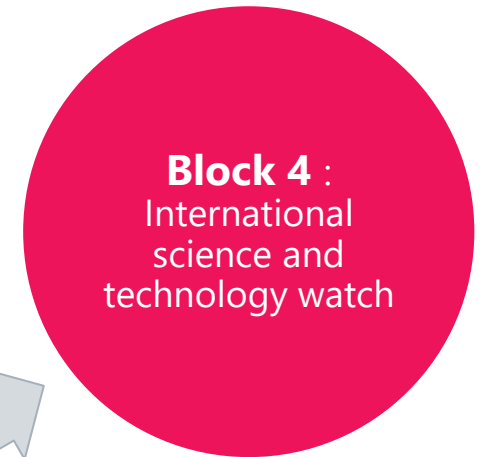
Skill blocks



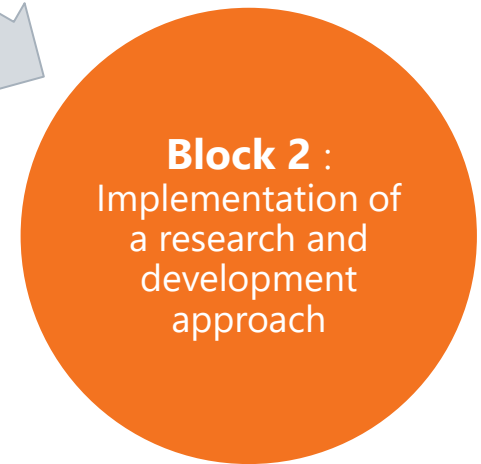
« Share »



« Conceive »



« Collaborate »



NEW : + personal qualities !

Number	BLOCK	SKILLS
1	Design and development of a research and development, studies and prospective	Have both general and specific scientific expertise in a specific field of research and work
		Take stock of the state and limits of knowledge within a given sector of activity, at the local, national or international scales
		Identify and solve complex and new problems involving a plurality of fields, mobilizing the most advanced knowledge and know-how
		Identify the possibilities of conceptual breakthroughs and design axes of innovation for a professional sector
		Make innovative contributions in high-level exchanges, and in international contexts
2	Implementation of a research and development, studies and prospective	Constantly adapt to the needs of research and innovation within a professional sector
		Implement research methods and tools related to innovation
		Implement the principles, tools and procedures for evaluating the costs and financing of an innovation or R&D process
		Guarantee the validity of the work as well as its ethics and confidentiality by implementing the appropriate control systems
		Manage the time constraints of study, innovation or R&D activities
3	Valuation and transfer of the results of an R&D, studies and prospective	Implement the factors of engagement, risk management and autonomy necessary for the finalization of an R&D project, studies or
		Implement transfer issues for exploitation and promotion of results or products in economic or social sectors
		Respect the rules of intellectual or industrial property related to a sector
		Respect the principles of professional conduct and ethics in relation to the integrity of the work and the potential impacts
		Implement all the publication systems at the international level to promote new knowledge and knowledge
4	International scientific and technological watch	Mobilize open data communication techniques to promote approaches and results
		Acquire, synthesize and analyze cutting-edge scientific and technological data and information on an international scale
		Have an understanding, perspective and a critical eye on all the cutting-edge information available
		Going beyond the boundaries of available data and knowledge by crossing over with different fields of knowledge or other
		Develop international scientific and professional cooperation networks
5	Training and dissemination of scientific and technical culture	Have the curiosity, adaptability and openness necessary to train and maintain a high-level general culture
		Report and communicate in several languages scientific and technological work for different audiences or publications, both written and oral
		Teach and train diverse audiences in advanced concepts, tools and methods
6	Supervision of teams dedicated to research and development, studies and	Adapt to a varied audience to communicate and promote avant-garde concepts and approaches
		Lead and coordinate a team within the framework of complex or interdisciplinary tasks
		Identify missing skills within a team and participate in the recruitment or solicitation of service providers
		Build the necessary steps to stimulate the entrepreneurial spirit within a team
7	Personal qualities ; Know-how ; Social abilities	Identify key resources for a team and prepare for changes in terms of training and personal development
		Evaluate the work of people and the team with respect to projects and objectives
		Adaptation; Perseverance ; Resilience; Management of change and failure; Commitment
		Creativity, ability to imagine and formulate original ideas; Flexibility of mind and openness to novelty
		Knowledge and control of oneself and one's behavior = Ability to self-assess and question oneself; Knowledge of own limits; Dosage
7	Personal qualities ; Know-how ; Social abilities	Rigor / flexibility
		Independence ; Autonomy; Initiative and decision-making
		Inter-relational skills = Sense of communication; Ability to listen and empathize, benevolence; Relationship to the other; Ability to work in a team and sense of collective responsibility.

How to find the right course

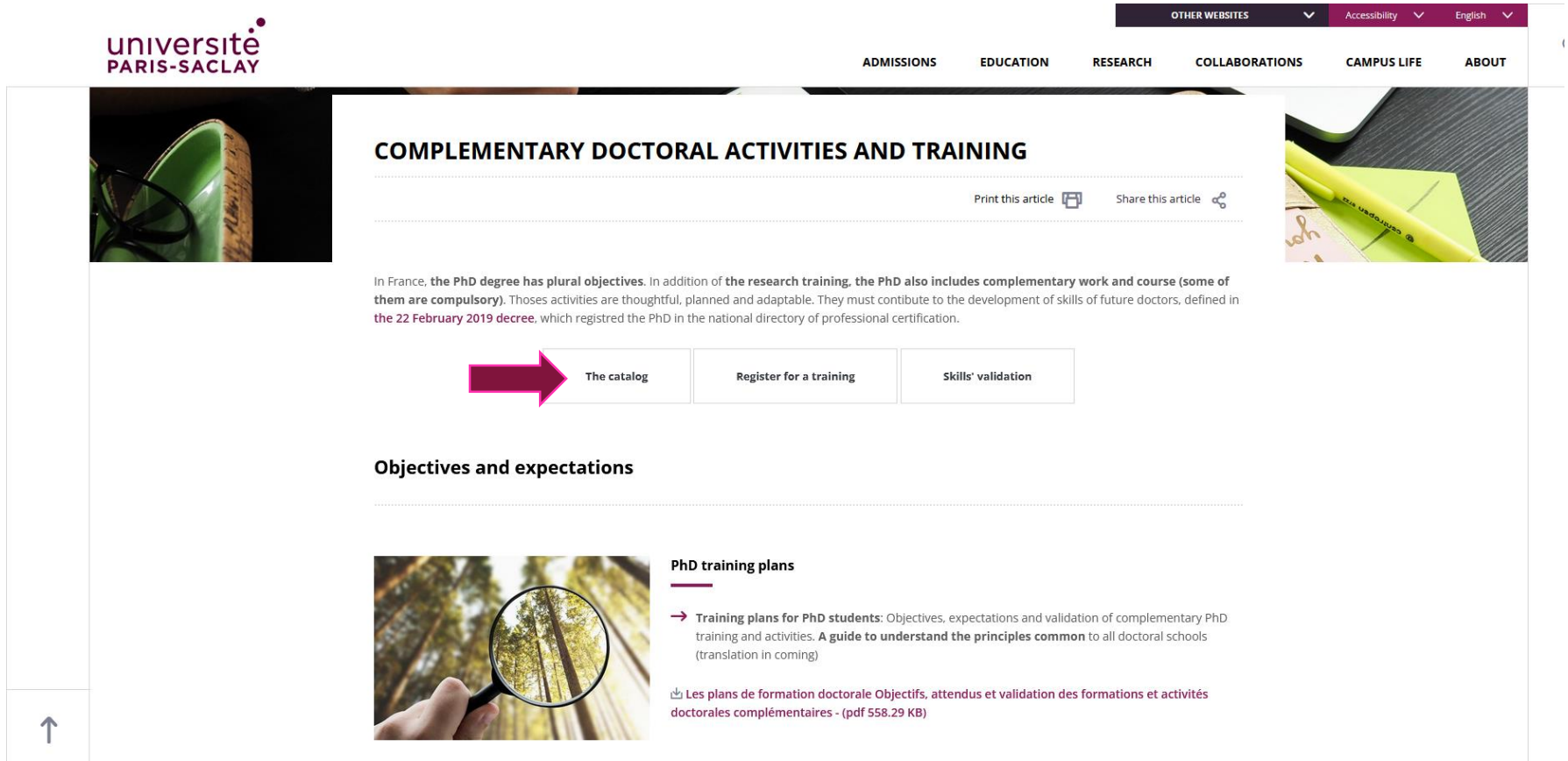
- **Master Courses (second or first year)**
 - Check on the web site of the university (you do not have to take the exam)
- **Doctoral School courses – check in all Doctoral Schools**
 - Curie Orsay Courses, Statistics with R, Introduction to Biopython ...
 - Big Data training (M2 Gen2Ev)
 - Training in the field of imaging
 - Learn new techniques outside of your lab
 -
- **Check the list proposed by Paris-Saclay, IRTELIS program, Collège de France**
 - General trainings
 - Languages, how to write a scientific paper, Doctoriales....
- **Congresses, workshops, ...**
- **Training to teach and teaching**
- **SPECIAL EVENTS OF SDSV**
 - The annual meeting of the doctoral school **(10h – 2 credit points)**



**Always ask for a certificate of attendance
(needed for validation)**

How to find the right course

Catalog: <https://www.universite-paris-saclay.fr/en/recherche/doctorat-et-hdr/complementary-doctoral-activities-and-training>



The screenshot shows the website header for Université Paris-Saclay with navigation links: OTHER WEBSITES, Accessibility, English, ADMISSIONS, EDUCATION, RESEARCH, COLLABORATIONS, CAMPUS LIFE, and ABOUT. The main content area is titled 'COMPLEMENTARY DOCTORAL ACTIVITIES AND TRAINING' and includes a text paragraph about the PhD degree in France, a navigation bar with buttons for 'The catalog', 'Register for a training', and 'Skills' validation', and a section titled 'Objectives and expectations' featuring 'PhD training plans' with a link to a PDF document.

universit  PARIS-SACLAY

OTHER WEBSITES Accessibility English

ADMISSIONS EDUCATION RESEARCH COLLABORATIONS CAMPUS LIFE ABOUT

COMPLEMENTARY DOCTORAL ACTIVITIES AND TRAINING

Print this article Share this article

In France, the PhD degree has plural objectives. In addition of the research training, the PhD also includes complementary work and course (some of them are compulsory). Those activities are thoughtful, planned and adaptable. They must contribute to the development of skills of future doctors, defined in the 22 February 2019 decree, which registered the PhD in the national directory of professional certification.

The catalog **Register for a training** **Skills' validation**

Objectives and expectations

PhD training plans

→ **Training plans for PhD students:** Objectives, expectations and validation of complementary PhD training and activities. **A guide to understand the principles common** to all doctoral schools (translation in coming)

Les plans de formation doctorale Objectifs, attendus et validation des formations et activit s doctorales compl mentaires - (pdf 558.29 KB)

Many online options : <https://www.fun-mooc.fr/>



13 different types of training

Training type	Sub-type	Points	for validation
1. Training in Paris-Saclay catalog		5 hours of training ↔ 1 credit point	certificate of attendance (mentioning hours)
2. Seminars, Congresses, Summer Schools		5 hours of seminar/congress ↔ 1 credit point	certificate of attendance (mentioning hours)
3. Involvement in student association		Depending on the personal time devoted, 1 to 3 credit points	certificate signed by president of association
4. Involvement in academic democracy		Depending on the personal time devoted, 1 to 3 credit points	certificate signed by president of council
5. Involvement in evaluation committees and juries		Depending on the personal time devoted, 1 to 3 credit points	certificate signed by president of committee
6. PhD student in charge of a teaching mission	<i>Training to teach</i>	as preparation for becoming a professional, up to 7 credit points	certificate of attendance (mentioning hours)
	<i>Lectures given</i>	1 HETD ↔ 5 hours of personal work. Validated only if > 10 HETD. Max 5 credit points	certificate signed by teaching supervisor (mentioning lecture hours)
7. Co-supervision of students or interns in the laboratory		Depending on supervision time, up to 3 credit points	certificate signed by Lab head or main organizer (mentioning time involvement)

13 different types of training

Training type	Sub-type	Points	for validation
8. Member of the organizing committee for a scientific event		Depending on the personal time devoted, 1 to 3 credit points	certificate signed by main event organizer (mentioning time involvement)
9. Participation in a mentoring program		Depending on the personal time devoted, up to 3 credit points	certificate signed by head of mentoring program (mentioning time involvement)
10. Scientific mediation	<i>Training in scientific mediation</i>	as preparation for becoming a professional, up to 7 credit points	certificate of attendance (mentioning hours)
	<i>Mediation done</i>	max 20 days of mediation, up to 5 credit points	certificate signed by mediation head (mentioning days)
11. Expertise or valuation activities	<i>Training on expertise/valuation</i>	as preparation for becoming a professional, up to 7 credit points	certificate of attendance (mentioning hours)
	<i>Expertise/valuation done</i>	max 20 days of expertise/valuation, up to 5 credit points	certificate signed by expertise/valuation head (mentioning days)
12. Other training activities from the catalog		5 hours of training ↔ 1 credit point	certificate of attendance (mentioning hours)
13. Training and activities outside of the catalog		5 hours of training ↔ 1 credit point	certificate of attendance (mentioning hours)

Validation of training points

For each training, you must on **ADUM**:

- **Upload the certificate**
- **Choose an objective from the list:**
 - ✓ useful for carrying out personal research work
 - ✓ research ethics and scientific integrity
 - ✓ useful for writing the thesis or for the written or oral presentation of research work
 - ✓ training in open science
 - ✓ reinforcing the scientific culture of doctoral students
 - ✓ training in sustainable and sustainable development
 - ✓ promoting international openness
 - ✓ preparation for professional development in both the public and private sectors
- **Choose a single sub-block of skills in a block, for each training**

Validation of training points

- Paris-Saclay courses are directly validated by *course organizers*
- All other training actions need to be uploaded in ADUM and validated by the *Doctoral school*

Libellé

Catégorie

Organisateur et ville

Année Univ Début Fin

Heures | Crédits/Points **5 h <-> 1 credit point**

Compétences acquises à l'issue de la formation

Cette formation vise à :

- vous informer sur les enjeux de l'intégrité scientifique,
- vous alerter sur les mécanismes qui peuvent pousser aux manquements,
- vous inciter à développer le sens des responsabilités et à vous comporter en vigie de l'intégrité

Objectif

Contenu/Programme

L'objectif de cette formation est de diffuser une culture de l'intégrité scientifique au sein des établissements. Plus qu'à transmettre des

Compétences RNCP

Bloc 1 : Conception et élaboration d'une démarche de recherche et développement, d'études et prospective

- Disposer d'une expertise scientifique tant générale que spécifique d'un domaine de recherche et de travail déterminé
- Faire le point sur l'état et les limites des savoirs au sein d'un secteur d'activité déterminé, aux échelles locale, nationale ou internationale
- Identifier et résoudre des problèmes complexes et nouveaux impliquant une pluralité de domaines, en mobilisant les connaissances et les savoir-faire les plus avancés
- Identifier les possibilités de ruptures conceptuelles et concevoir des axes d'innovation pour un secteur profess[(Sans titre)]
- Apporter des contributions novatrices dans le cadre d'échanges de haut niveau, et dans des contextes internationaux
- S'adapter en permanence aux nécessités de recherche et d'innovation au sein d'un secteur professionnel

Bloc 2 : Mise en œuvre d'une démarche de recherche et développement, d'études et prospective

Bloc 3 : Valorisation et transfert des résultats d'une démarche R&D, d'études et prospective

Bloc 4 : Veille scientifique et technologique à l'échelle internationale

Actions concernant la formation



Do not forget to attach the attendance certificate indicating number of hours

At least one paper in first author

- 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 (on the website of SDSV) and argue why no results have been published and when you plan to publish them.
 - The exemption will only be accepted if a complete draft is ready and submitted to a journal.
 - Publications deposited on a platform such as BioRxiv or PCI (peer community in) are accepted as regular paper
 - No possibility for your supervisor to have a new student before the publication of your results.

PhD Defense in 3 years

Administrative process completely dematerialized BUT:

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

The European Doctoral 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 European Doctoral Label

- 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.

Before asking a question, please consult the following sites:

Email addresses to contact for questions relating to:

- registration / defense : secretariat_sdsv@universite-paris-saclay.fr
- university library for depositing the thesis manuscript:
 - for referent FdSO: theses-sciences.scd@universite-paris-saclay.fr
 - for referent UVSQ : theses.doctorat.bib@uvsq.fr
 - for referent UEVE : bu-theses@listes.univ-evry.fr
- student card: cartes.doctorat@universite-paris-saclay.fr
- graduation ceremony: ceremonie.doctorat@universite-paris-saclay.fr
- doctoral degrees : diplomes.doctorat@universite-paris-saclay.fr
- trainings : jean-christophe.sandoz@universite-paris-saclay.fr
- international joint supervision : cotutelles.internationales@universite-paris-saclay.fr
- China Scholarship Council (CSC) scholarship: csc.phd@universite-paris-saclay.fr

PSL PhD students, please contact:

- l'ESPCI : suzanne.rera@espci.psl.eu, Institut Curie Paris
- Mme Odile Vo Phi : odile.vo-phi@psl.eu, ENS ULM, Paris

Sites dedicated to doctoral studies

- <https://www.universite-paris-saclay.fr/ecoles-doctorales/structure-et-dynamique-des-systemes-vivants-sdsv>
- <https://www.universite-paris-saclay.fr/recherche/doctorat-et-habilitation-diriger-des-recherches-hdr>

université
PARIS-SACLAY

**Welcome to
The Doctoral School
« Structure et Dynamique
des Systèmes Vivants »**



Jean-Christophe
SANDOZ



Fabienne
MALAGNAC



Isabelle GUENAL



Florence GONNET



Jean-Luc PERNODET



Bernard MIGNOTTE

