Ecole Doctorale
« Structure et Dynamique des Systèmes Vivants »

Doctoral School
« Structure and Dynamics of Living Systems »

December 1, 2021
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*
Pierre CAPY
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
Jean-Christophe SANDOZ
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
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
Who are we?

Fabienne MALAGNAC
fabienne.malagnac@i2bc.paris-saclay.fr

Epigenetic modifications & chromatin structure

✧ genome stability and dynamics
✧ gene regulation during developmental processes (sexual reproduction)
Bernard MIGNOTTE
bernard.mignotte@uvsq.fr

The World of mitochondria, cell death and senescence

- Mitochondrial biogenesis
- Structure and replication of mitochondrial nucleoids
- Tumor suppressors in apoptosis and senescence
- Mitochondria in cell death process
- Reactive oxygen species and cell death
Isabelle GUENAL
Isabelle.guenal@uvsq.fr

Cell stress and mitochondria

- Cell stress and tissue homeostasis
- Tumor suppressors and cell death
- Bcl-2 family proteins and apoptosis
- Mitochondrial quality control and stress
- Drosophila models of human pathologies
1. Who are we?

Pierre CAPY
Jean-Luc PERNODET
Bernard MIGNOTTE
Florence GONNET
Jean-Christophe SANDOZ
Fabienne MALAGNAC
Isabelle GUENAL
The Paris-Saclay context

An extensive local network
The Paris-Saclay context

4 établissements composantes
2 universités membres-associés
10 composantes universitaires
7 organismes nationaux de recherche

université PARIS-SACLAY

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

AgroParisTech
CentraleSupélèc

école normale supérieure paris–saclay
INSTITUT D'OPTIQUE GRADUATE SCHOOL

Paristech

université PARIS-SACLAY
université PARIS-SACLAY
UVSQ

CEA
CNRS
IHÉS
INRAE
Inria
Inserm
ONERA
Paris-Saclay University in figures

**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
First in continental Europe
(UK: Third: Cambridge, Seventh: Oxford)
- **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 »)
International agreements signed by UPsaclay

Types of Agreement

- Memorandum of Understanding
- Master’s Double Degree Agreement
- PhD Double Degree Agreement
- Erasmus Consortium Agreement
- Cooperation Agreement

CAPTION

> AgroParisTech: UPsacly member institution, co-signatory of agreement.
European University alliance for GLObal Health

EUGLOH

1. université PARIS-SACLAY (Coordinateur)
2. Lund University
3. University of Szeged
4. U. PORTO UNIVERSIADADE DO PORTO
5. LMU

France
Sweden
Hungary
Portugal
Germany
EUGLOH offers you training opportunities and events on a variety of topics: seminars, workshops, training courses, meetings with industrials, mobility opportunities... Discover the five campuses of the alliance, meet with experts, develop cross-cutting skills and benefit from European diversity! **YOU can SUBSCRIBE to receive INFORMATIONS!**
### 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

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- GS17
  - Teams/ labs
  - Doctoral schools
  - Masters

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#### Double Licences UPSaclay

- **DUT**
- **Licence pro**
- **Licence**

**Universitary school of first cycle Paris-Saclay**
GS organisation in the Paris-Saclay University

15 disciplinary GS + 2 transversal GS + 1 institute

Science and engineering

- Chimie
- Géoscience, Climat, Environnement, Planètes
- Physique

Social sciences and humanities

- Droit
- Economie & Management
- Humanités - Sciences du Patrimoine
- Sociologie et Science politique

Life and health science

- Education, Formation, Enseignement
- Institut des Sciences de la Lumière
- Life sciences and Health
- Santé et médicaments
- Sport, Mouvement, Facteurs humains
- Santé Publique
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

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)
ED 577 Structure et dynamique des système vivants (env. 250 doctorants)
EUR SPS – GR (Saclay Plant Sciences)

BioSphERA
Nutrition et sciences des aliments (env. 120 étudiants)
Biologie intégrative et physiologie (env. 50 étudiants)
STAPS: activité physique adaptée et santé (env. 70 étudiants)

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

Chimie
( env. 250 étudiants)

Master Biologie-Santé
(env. 750 étudiants)

Master Bioinformatique
(env. 70 étudiants)

Computer Science

Sport, Mouvement, Facteurs Humains

Sciences de la Vision et prise en charge de l’acuité visuelle (env. 150 étudiants)
Ergonomie (env. 40 étudiants)
Life Sciences and Health: from understanding the fundamental mechanisms to applications in Biotechnology and Medicine
Structuration into Graduate programs in the GS LSH

> 330 research teams
> 70 laboratories

Number of research groups per Graduate Program

### Graduate Programs

- **Biochemistry & Structural Biology**
- **Bioinformatics**
- **Oncology & Biotherapy**
- **Cell biology, Development, Aging, Reproduction**
- **Clinical Sciences**
- **Endocrinology, Biosignaling, Metabolism & Physiology**
- **Evolutionary Biology**
- **Genetics & Genomics**
- **Immunology**
- **Microbiology**
- **Neurosciences**
- **Systems & Synthetic Biology**

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 Schools of the GS LSH

Old relationships with others doctoral school

Now, relationships inside the GS LSH

- SDSV
- SDV
- ABIES
- ITFA
- Santé Publique
- Cancérologie
- BioSign
The SDSV organisational chart

**Management team**
*Florence GONNET, Director
*Pierre CAPY, Vice-director, **transition with** J.C. SANDOZ
*Bernard MIGNOTTE, Vice-director, **transition with** I. GUENAL
*Jean-Luc PERNODET, Vice-director, **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 SDSV
- **5 representatives of PhD students**
- 6 scientific experts outside SDSV (academic research, private companies, socio-economic word)
- 1 engineers / technicians
2) Executive committee:
- 7 members of scientific board

**Administrative assistance**
- Sandrine LE BIHAN, 150 PhD students + overall administrative management
- Noémie MOUTTY/Jessica SAME, 90 PhD students

**Web site - Communication**
- Sandrine LE BIHAN
Who should you contact?

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

• Jessica SAME for all UEVE, UVSQ and ENS-Paris Saclay units, with IPS2 Lab., INRAE units except GABI Lab.
  jessica.same@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

Direction
For all other points: annual interviews, specific problems...

• Florence Gonnet for all UEVE units, ENS-Paris-Saclay units and IPS2 Lab.
• Bernard Mignotte, Isabelle Guénal, 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.
Scientific direction and representatives of institutions (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
- ENS Paris-Saclay (waiting for a new representative)
- Jean-Christophe Sandoz, DR CNRS, transition with P. Capy
- Fabienne Malagnac, PR Paris-Saclay, transition with J.-L. Pernodet
- Isabelle Guénal, PR Université Versailles-St-Quentin, transition with B. Mignotte

Representatives of Engineers, Technicians and Administratives staffs

- Sandrine Le Bihan, ITA CNRS, GQE-Le Moulon
- Gilles Lemaitre, Research engineer HDR UEVE, ISTEM
Representatives of Research Units (inside Paris-Saclay))

• Ana BujBello, DR INSERM, Généthon, UEVE
• Marie-Noëlle Dieudonné, PR UVSQ
• Henri-Jean Garchon, PR UVSQ
• Agathe Guilloux, PR UEVE
• Nathalie Bonnefoy, DR CNRS, pour Frédéric Boccard, Directeur de l'I2BC, UPSaclay
• Charbel Maroun : CR INSERM, pour David Pastré, PR UEVE
• Fabienne Le Provost, DR INRAE, UPSaclay
• Delphine Sitterlin, MC-HDR, UVSQ
• Julie Soutourina, CEA, UPSaclay

Representatives of research units (outside Paris-Saclay)

• Jean-Charles Cadoret, MCF à Paris-Diderot, Institut Jacques Monod
• Institut Pasteur (waiting for a new representative)
Representative of Industry (executive committee)

- Tamara Smokvina, Danone Nutricia Research - DANONE

Invited members for the entrance examination

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

Representatives of PhD Students, since 2018

- Gina Cosentino, 2IC, UVSQ
- Luisa Ferreira Dos Santos, I2BC, UPSaclay
- Marion Hoareau, LGBC, UVSQ
- Charlotte Mallart, I2BC, UPSaclay
- Mohammed Seba, I2BC, UPSaclay
In 2022: Election of representatives of PhD students

- Electronic voting - using Balotilo
- Open on January, 2022
- Vote per site
  - UEVE (Evry)
  - UVSQ (Versailles St Quentin)
  - Paris-Saclay, ENS, PSL
- Application in December 2021

In January 2022, there will be other elections. Do not hesitate to submit your application!
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

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

Data of SDSV doctoral school

- 64 research units
- 518 supervisors and co-supervisors, whose 344 HDR
- Approximately 250 PhD students:
  - 60% of women, more than 10 nationalities
- 37 defenses in 2021 and 18 to come
- 140 PhD students registered in 2021-2022
- **BUT:** 111 files to be processed
The SDSV web site

http://www.adum.fr/

English version

Ask if you are lost....
REGISTRATION on ADUM

The ADUM

LE RÉSEAU ADUM

Etablissement

université PARIS-SACLAY

ECOLES DOCTORALES

université PARIS-SACLAY

université PARIS-SACLAY

université PARIS-SACLAY

université PARIS-SACLAY

ED A&A

ECOLE DOCTORALE

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

ECOLE DOCTORALE

Cancérologie, biologie, médecine, santé (CBMS)

ECOLE DOCTORALE

Écologie et systèmes vivants (EDSV)

ECOLE DOCTORALE

Signalisation et réseaux intégratifs en biologie (BIOSIGNE)

ECOLE DOCTORALE

Ondes et Matière (EDOM)
REGISTRATION on ADUM

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 to 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

https://www.adum.edu/adumR&page=profil

To access your personal account CLICK HERE

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.
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..

- 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 finalyse your registration, then your thesis director must sign, then your unit director, then the doctoral school, before the UPSaclay presidency.

- The training courses taken must also be filed in ADUM with the appropriate certificate, number of hours 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 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

Committee 1: Within the first 6 months, if possible before February
Committee 2: Before January
Committee 3: At least 6 months before the end of the experiments, between October and December
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.
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 and 25 points in terms of skill blocks**

- **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**
Trainings

- **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**
  - Compulsory:
    - Training in Ethics and Scientific Integrity – (Polethis Paris-Saclay, FUN-MOOC)
    - Training in Open Science issues
    - Training in the challenges of durable and sustainable development
  - Curie Orsay Courses, 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, ...**

- **Training to teach and teaching**

- **SPECIAL EVENTS OF SDSV**
  - Particular events
  - The annual day of the doctoral school (10h)

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

For each training, you must on ADUM:

- **Deposit 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**

- **We will send you a procedure in January to help you complete ADUM for your trainings**
<table>
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<tr>
<th>Number</th>
<th>BLOCK</th>
<th>SKILLS</th>
<th>BLOC</th>
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</table>
| 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  
  Constantly adapt to the needs of research and innovation within a professional sector | Conception et élaboration d’une démarche de recherche et développement, d’études et prospective |
| 2      | Implementation of a research and development, studies and prospective | 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  
  Implement the factors of engagement, risk management and autonomy necessary for the finalization of an R&D project, studies or projects | Mise en œuvre d’une démarche de recherche et développement, d’études et prospective |
| 3      | Valuation and transfer of the results of an R&D, studies and prospective | 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  
  Mobilize open data communication techniques to promote approaches and results | Valorisation et transfert des résultats d’une démarche R&D, d’études et prospective |
| 4      | International scientific and technological watch | 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 fields  
  Develop international scientific and professional cooperation networks  
  Have the curiosity, adaptability and openness necessary to train and maintain a high-level general culture | Veille scientifique et technologique à l’échelle internationale |
| 5      | Training and dissemination of scientific and technical 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  
  Adapt to a varied audience to communicate and promote avant-garde concepts and approaches | Formation et diffusion de la culture scientifique et technique |
| 6      | Supervision of teams dedicated to research and development, studies and prospective | 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  
  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 | Encadrement d’équipes dédiées à des activités de recherche et développement, d’études et prospective |
| 7      | Personal qualities ; Know-how ; Social abilities | 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  
 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 | Qualités personnelles ; Savoir-être ; Compétences sociales |
The day of the SDSV doctoral school

Day attendance counts as 10h of PhD training

2015
Guillaume Lecointre
La Science et la République

2016
Patrick Wincker
Tara Ocean

2017
Maureen O’ Malley
From microbiota to human brain

2018
Frédéric Thomas
Darwinian medicine

2019
Philippe Marlière
Synthetic Biology

2021
Ludovic Orlando
Traveling back in time: from ancient DNA molecules to genomes, individuals, populations and ecosystems
- 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 full draft is ready and submitted to a journal or at least deposited on a platform such as HAL, BioRxiv or others.

- PCI (peer community in) 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

- **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.
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The Doctoral School
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Questions?

Pierre CAPY

Jean-Luc PERNODET

Bernard MIGNOTTE

Florence GONNET

Jean-Christophe SANDOZ

Fabienne MALAGNAC

Isabelle GUENAL