



Meeting

Doctoral School for Life Sciences and Health and 2y PhD candidates

Doctoral School	Life Science and Health
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Université de Strasbourg

17 November 21

Planning

- DS organisation / Organisation de l'ED
- Doctoral School Days 2021 / Journées de l'ED 2021
- PhD is a first experience in research
- Open Sciences/ Science Ouverte
- Eurolife Universities Network / Réseau des Universités Eurolife
- PhD follow-up committee / Comité de suivi de thèse
- PhD skills / Compétence du doctorat
- Transversal training / Formations transversales
- Scientific training / Formations scientifiques
- PhD defence / Soutenance de thèse

Organisation

Doctoral College Strasbourg University

Collège Doctoral Université de Strasbourg

- **10** Doctoral Schools – **5** Human and Social Sciences, **4** Sciences & technology, 1 Life Sciences and Health
- **2400 - 2500** PhD candidates - **475** PhD defenses/year
- Transversal training
- Administration – registration – PhD defences - Diploma
- **Your contact** : Ms Fayza Fallah fayza.fallah@unistra.fr

Doctoral School

Direction

Councils and Commission
Members

Administration Staff

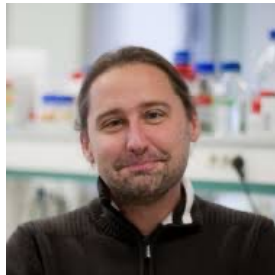
Director board of the Doctoral School



Dr Catherine Schuster,
Head of the Doctoral School
Research Director Inserm
Deputy Head, Inserm unit UMR_S1110
Institute for Viral and Hepatic Disease

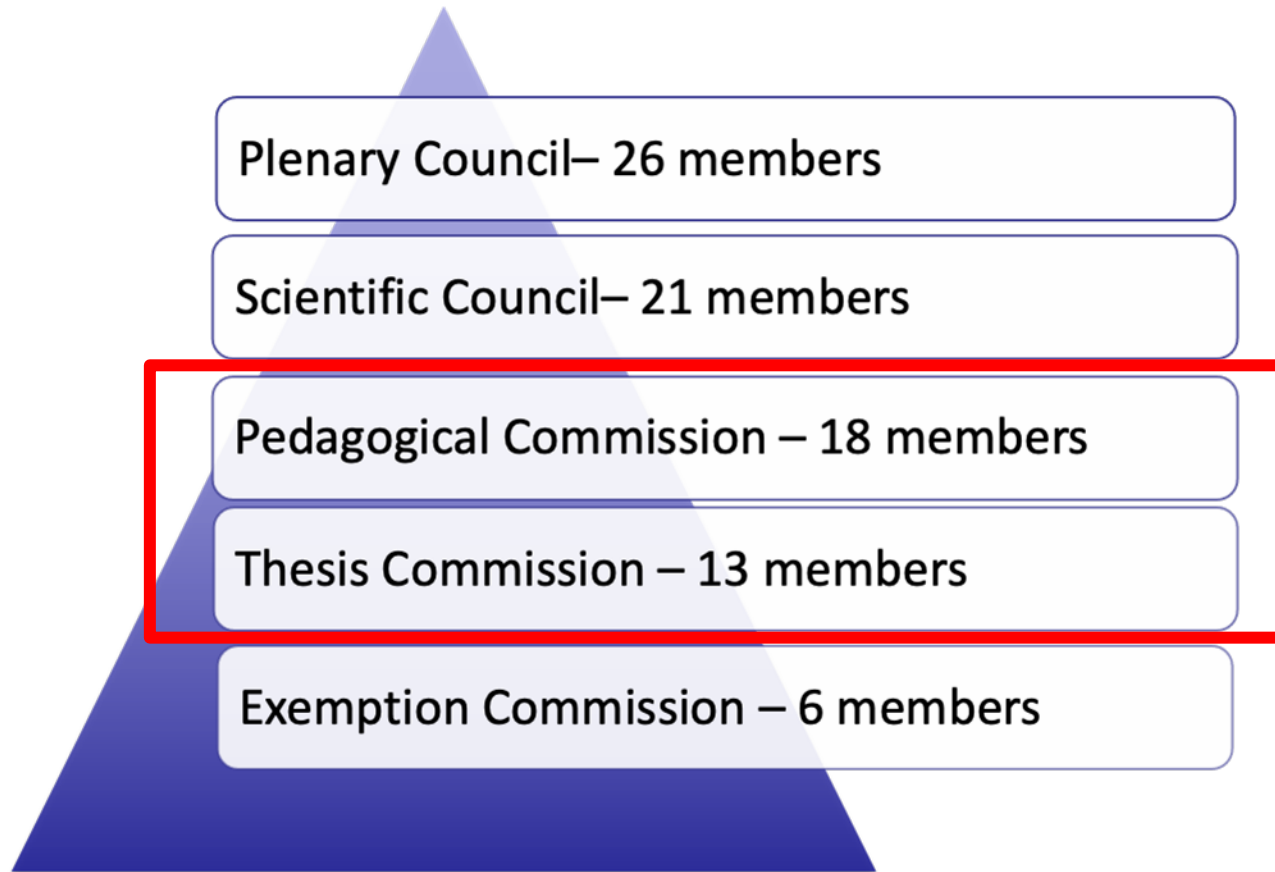


Pr Maxime Lehmann,
Deputy-head of the Doctoral School
Professor, University of Strasbourg
Inserm unit UMR_S1255,
Centre de Transfusion de Strasbourg



Dr Frédéric Gros,
Pedagogical Director
Assistant Professor, University of Strasbourg
Inserm unit UMR_S1109,
Center for Biomedicine of Strasbourg, CRBS

Councils and Commissions



Councils and Commissions

5 PhD candidates are part of the ED councils and commissions

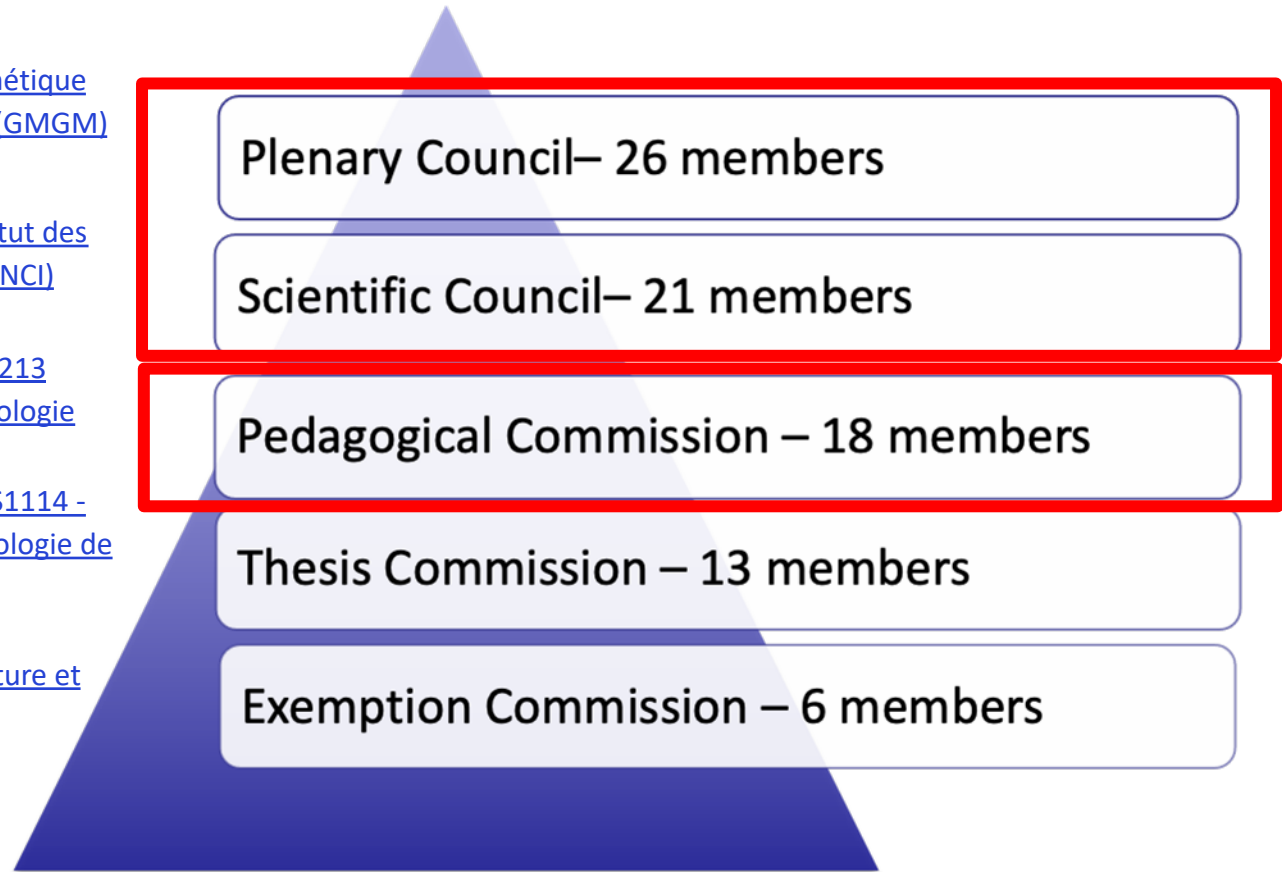
Guillaume GROB, [UMR 7156 Génétique Moléculaire et Génomique Microbiologie \(GMGM\)](#)

Clémence GIÈRE, [UPR 3212 Institut des Neurosciences Cellulaires et Intégratives \(INCI\)](#)

Marina PIERREVELCIN, [UMR 7213 Laboratoire de Biophotonique et Pharmacologie](#)

Giulia LAFOND-BRINA, [UMR S1114 - Neuropsychologie cognitive et physiopathologie de la schizophrénie](#)

Orian GILMER, [UPR 9002 Architecture et réactivité de l'ARN](#)



Doctoral School for Life Sciences and Health

- **500+** PhD candidates - **110+** PhD defenses/year
- **30+** nationalities
- **40+** co-tutelles
- Disciplinary training
- Pedagogical enrolment
- Thesis follow-up
- **Your contact** : Ms Mélanie Muser ED414@unistra.fr

Organisation

Doctoral School for Life Sciences and Health



For any question, please have a look on our website before sending a mail or calling <http://ed.vie-sante.unistra.fr/>

The screenshot shows the website interface for the Doctoral School for Life Sciences and Health (ED414) at the University of Strasbourg. The header features the school's logo (a stylized 'V' and 'S' in green and blue) and the text 'École Doctorale des Sciences de la Vie et de la Santé STRASBOURG'. A search bar with the text 'Rechercher' and an 'OK' button is present. The University of Strasbourg logo is also visible. A navigation menu includes links for 'ENT', 'Annuaire', 'Contacts', 'Liens utiles', 'IdEx OpenLab', and 'Intranet'. A language selector shows 'English' is selected. A sidebar menu lists: 'L'école doctorale', 'Équipes de recherche', 'Doctorat', 'Sujets de thèses', 'Formation', and 'Concours d'attribution'. The main content area features a banner with three penguins, one of which is a heatmap, and the text 'Actualités récentes'. Below the banner, the text 'Actualités récentes' is repeated, and there is an 'AGENDA' link with a calendar icon.

Doctoral School for Life Sciences and Health

Géraldine SCHVERER

 gs@unistra.fr

Transversal training logistics and validation for all
Doctoral Schools

Virginie HERBASCH

 herbasch@unistra.fr

- International joint supervised thesis : co-tutelle
- International Mobility
- Program Doctoral International (PDI)

Doctoral School for Life Sciences and Health

Marie DEROCHE



euraxess@unistra.fr



Maison Internationale Universitaire (MUI)

11 Presqu'île Malraux - Strasbourg

EURAXESS Service Center

The partnership agreement with the Prefecture of Bas-Rhin allows for an expedited procedure for filing an application for a residence permit.

THE annual event to gather PhD candidates from ED414

What's that ?

10 min presentations or 3min blitz

Round tables with professionals

PhD association presentations

Elections

Presentation prizes

Lunch, drinks, exchanges, etc.

PhD prizes from the Société de Biologie de Strasbourg

Who ?All PhD candidates

When ? March - April 22

Organizing Committee 2021

Last Edition: 21/22 April 2021, online

21st : Scientific presentations

22nd : Morning career and associations

Afternoon, thesis prizes from SBS

127 registrations

Keynote Speakers

Geneviève Almouzni

Jacky Goetz

66 abstracts submitted

10 long talks

10 short talks

46 posters

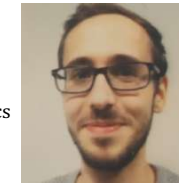
9 prizes



Kaskci Yasenya

IGBMC

Department of Functional Genomics
and Cancer



Garcia Sanchez Emmanuel

IGBMC

Department of Biology and Stem
Cells department (Team TORA)



Smaida Rana

CRBS – UMR1260

Regenerative Nanomedicine



Anizon Benjamin

CRBS – UMR 1119

Myelin Biopatholgy, Neuroprotection
and Therapeutic Strategies



Ben Abdallah Inès

ICube - Teams IMIS

LNCA- Team ENGRAM



Anasse Nounsi

CRBS – UMR1260

Regenerative Nanomedicine

Call for organizers for the 2022 edition !

Contact : frederic.gros@unistra.fr

PhD is a first experience in research

PhD is a first experience in research

Training through research : in the lab

Depends on a good collaboration and cooperation of all the partners: Doctorant/PhD candidate, PhD supervisor(s), Research Unit Director

PhD is a first experience in research

Conflict solving – step by step

- Discussion with the supervisor
- Meeting/discussion with the team leader if not the PhD supervisor or the unit director
- Mediation at the level of the Unit
- Meeting with the Doctoral school head PhD candidate/supervisor – together or independently
- Meeting with all parts in an official meeting with Pedagogical director – PhD candidate representative and any other person designed by the supervisor or the student – report written – decisions officialised

PhD is a first experience in research

Scientific integrity

Lab Notebook usage is mandatory

Follow up of your experiments everyday with all the details of each experiment, each special product used, etc...

WHY ?

- Reproducibility of your experiments
- Memory for the lab after your PhD thesis defense
- Proof of date in case of patenting, licensing

No plagiarism in your scientific production

PhD is a first experience in research

Scientific integrity

Validation “Ethics in research training” in addition to the MOOC

MOOC already done

- French training
- <https://www.fun-mooc.fr/courses/course-v1:ubordeaux+28007+session01/about>
- English training
- <https://www.fun-mooc.fr/courses/course-v1:Ubordeaux+28007EN+session01/about>
- The Success Certificate is mandatory to defend your PhD
 - 3/01 to 1/04 (certificate delivered mid-April)
 - 2/04 to 1/07 (certificate delivered mid-July)

Validation of the « Ethics in Research » training: on site

Both are mandatory to defend

PhD is a first experience in research

OPEN Sciences

<https://www.ouvrirlascience.fr/passport-for-open-science-a-practical-guide-for-phd-students/>

Objective :

Share and disseminate scientific content given the opportunities offered by the digital revolution

Concerns :

Datasets, methods, publications...

Why :

Research is mainly funded by public money. Thus researchers have to make available to the society all informations and data generated by their research in an as much as possible transparent manner.

It is the democratisation of knowledge.

PhD is a first experience in research

OPEN Sciences

<https://www.ouvrirlascience.fr/passport-for-open-science-a-practical-guide-for-phd-students/>

Aim : facilitate access to scientific content and encourage its reuse

Where can you find open access resources for your project?

Open access journals

Platforms for preprint

Open archives : Ex. HAL for French research

Databases

...

PhD is a first experience in research

OPEN Sciences

Planning an open approach to scientific work

How to implement Open Sciences in your everyday scientific life ?

Define

Description fo the collection and documentation

Where and how your data will be stored

Protection rules

Responsibilities and resources

When ?

From the first day of your project by defining the Data management plan (DMP)

And

Publish in open access journal

Store your publications on open access platforms as UNIWoak (Unistra) and/or HAL

PhD is a first experience in research

OPEN Sciences

Link to upload the booklet

**« Passport for OPEN
SCIENCE »**

University of Lille

<https://www.ouvrirlascience.fr/passport-for-open-science-a-practical-guide-for-phd-students/>

PhD – researcher exchanges

The university of Strasbourg is part of the EUROLIFE network of European Universities

<http://eurolifeuniversities.org/research/>

Trinity college Dublin – School of Medecine – Ireland

Semelweiss University – Hungary

University of Barcelone

University of Edinburgh – College of Medecine and Veterinary – UK

University Medical Center – Göttingen – Germany

Medical University Innsbruck – Austria

Leiden University Medical School – NL

Karolinska University - Sweden

- **Funding for PhD candidates or young researchers for short term exchanges**
- **Summer and Winterschools**
- **DataEthics**

Thesis follow-up committee/Comité de suivi de thèse (CST)

New : At first registration identification of the CST members (CIF)

Mandatory for next year enrolment

- End of 1st year - First CST
- Mid of 2nd year - Most important CST to see if the project is viable
- Third year if a 4th year is needed - CST with report signed by all parties

CST

Memo and booklet

<http://ed.vie-sante.unistra.fr/en/doing-your-thesis/thesis-follow-up-committee-cst/>

Thesis follow-up committee/
Comité de suivi de thèse (CST)

PhD completion 3 years

Thesis follow-up committee/
Comité de suivi de thèse (CST)

PhD completion 6 years
MDs with clinical duties, High School
teachers, Psychologues, sociologues, etc..

CIF

Convention individuelle de formation/Doctoral training agreement



DOCTORAL COLLEGE - UNIVERSITY OF STRASBOURG

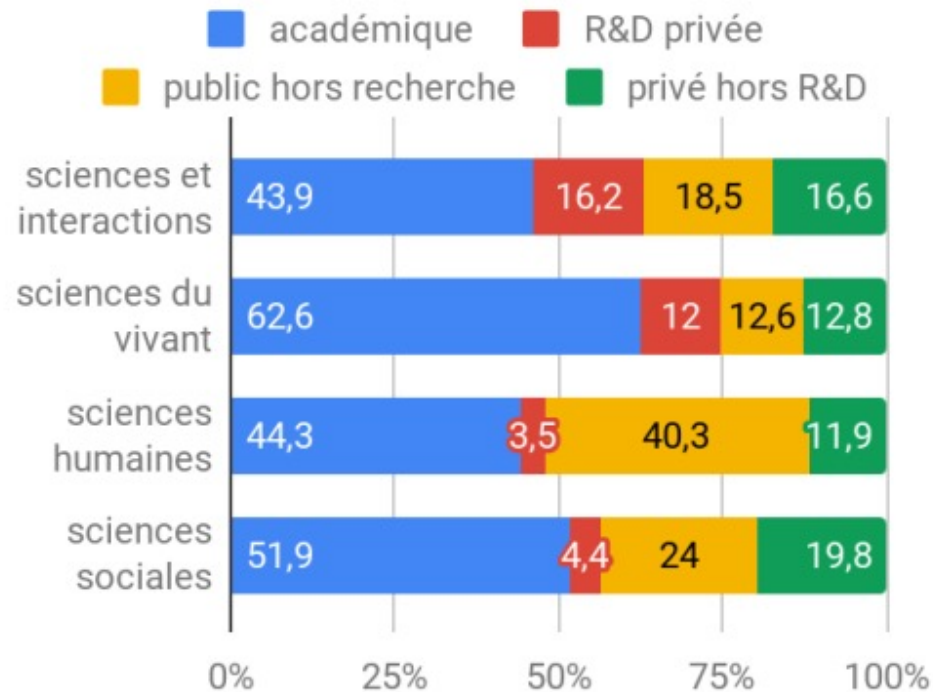
Individual training convention

Validated by the Council of the Doctoral College - University of Strasbourg on 17 May 2017

Can be modified every year, just let us know

Developed your skills

PhD employment in 2017 for 2014 PhD



However recruitment in public institutions decreases each year in France

In 2020, 1 Maitre de conférence (Assistant Prof.) has been recruited for 20 PhD in Life science

➤ **You may pursue a career in private companies or other institutions after your PhD**

Developed your skills

Skills developed during a PhD



<http://www.adoc-metis.com>

Developed your skills

Skills developed during a PhD

The defense of your PhD is an important step...You will be named Dr !!

The PhD is valued abroad in the public and private sector more than in France

Since 2021, PhD skills are now officially certified by the French government and private companies.

- Being open-minded
- Ability to listen and to learn
- Critical analysis skills
- Ability to manage complex problems
- Ability to self-evaluate
- Ability to innovate
-



Your objectives... identify, develop your skills - **transversal training !!!**
learn to promote them to future employers

Scientific training program

Training planned in 2022 (on site trainings)

January/February

- **Image J**

Jérôme Mutterer

- **Introduction to PyMOL and to 3D molecular visualization**

Claude Sauter

- **Free software toolbox**

Claude Sauter/Jérôme Mutterer

- **Statistics**

Introduction to statistical analysis of biological data with R. 4h

Initiation to data science with R. 4h

Bruno Kieffer, Myriam Maumy, Carine Meignin, Julien Godet. 16 seats.

Two sessions per year are envisaged

Training planned in 2022 (on site trainings)

March-May

- Doctoral Skills, communication and valorization

Science Me Up-David Bruchlen 30 seats

Help young PhDs to enter the job market, to identify skills and valorize them

Two types of training on 3 days (2 days for only one track):

- *Academic career*
 - *Private sector career*
-
- Identifying the opportunities available in the private sector with a doctorate degree
APEC - J Lombard
-
- Introduction to intellectual properties
Satt Connectus - Nadia Belmahi

Project

- Managing stress, conflicts in professional life and self organization. Dedicated to PhDs in Biology (please note that a transversal training is available via the college, animated by Blanche Giraud-Beauregard)

October 2022

- Animal experimentation: starts after summer

Scientific training program

New on the ED website, examples of training equivalence and validation

Examples of hours counting	
Transversal Training	
Member of an ethics committee (like CREMEAS) and actively participating in evaluation processes	This participation is validated (after presentation of certificate) as transversal training within the limit of one third of the total training hours (i.e. 18 hours)
Participation in the organization of a scientific event (retreat, congress, workshop, "Fête de la Science", "semaine du cerveau" ...)	Is recognized as a transversal formation. Participation allows the validation of 4 hours for a one-day event (2 hours for a half-day event). Validated hours can be conjugated to disciplinary hours if a scientific presentation (oral, poster) is performed during the event.
MOOC on transversal topics	Validation up to 10h per MOOC. Proof of attendance and validation required.
Presentation of scientific work during science popularization events	Validation up to 2 hours per event.
Disciplinary Training	
Participation in a scientific event	A fee of 7 hours of disciplinary training per day. No additional hours allocated for an oral or posted presentation.
Master course follow-up	10 hours of scientific training maximum, with proof of attendance (attendance certificate signed by the teacher in charge of the module) accompanied by a letter from the thesis supervisor justifying the need to follow this course for the doctoral student.
Scientific MOOC	Validation up to 10h per MOOC. Proof of attendance and validation required.
DU or DIU	Validation up to 30 hours per diploma, if the field corresponds to the thematic scope of the doctoral school
Initial training in animal experiments, "designer" level	30h validated.
Training in experimental surgery	30h validated.

Not subject to any validation	
MOOC "integrity in research professions"	This MOOC is mandatory and necessary for new registration. It does not lead to any validation
Training in specialized software such as GraphPrism, Icy	Not validated owing to software accessibility
Diploma or compulsory training such as training in quality control in industry, training in clinical research, training of investigators in clinical trials...	Although these training courses can promote professional integration, they do allow any validation.
Internship in a research laboratory different from the host laboratory.	This type of internship is an integral part of the research project and will be validated at the level of professional experience. Consequently, visits in other laboratories are not recognized as hours of scientific or socio-professional training.

Communication related to training

Online surveys after trainings

Workspace on Ernest (digital work environment of the University)

Manual registration needed

Do not forget !!

- **Enter every training/congress on Amethis for validation (2x54h to be validated)**
- **Validate the MOOC “Integrity” and the onsite training about research ethics organized by the University**
- **Attend at least one international congress**

The PhD defence

Requirement for PhD defence authorisation

At least one **publication, review**, ideally two papers with one as first author, or a **patent**, obtained or submitted

Attendance to one **international conference** with presentation of the PhD results

Training 108h - 54h Disciplinary / 54h Transversal

Integrity training – MOOC validated and the Integrity of research training course validated at latest during the 2nd year

Of note Integrity training and validation is implemented at the University level so that the University and the research units therein are allowed to apply for major funding from the EU

Jury composition

All members hold an HDR

- PhD supervisor (s)
- 2 external reviewer holding an HDR and/or the title of Prof or DR (report)
- 1 internal supervisor with HDR
- optional additional jury members to balance the number of external/internal
- Jury members designate the president, he/she has to be Prof or DR

AND

- half of the members are Prof or DR
- half of the members are external reviewers
- external reviewers and internal member have no conflict of interest in terms of co-publications
- jury composition should strive to come as much as possible to M/W parity

Jury composition: one more point

A **non-HDR supervisor** can not act as a jury member
(no HDR)

However he/she can be present at the defence as an
invited member (does not sign the documents) but
participates to the discussion

Jury composition: exception

If the external reviewer has no HDR and has not the title of Prof or DR, however he/she is the perfect expert

THEN everything becomes more complicated

We need a detailed CV of the person

The letter from the PhD supervisor

Then I have to write a “lettre circonstanciée” to support his/her presence in the jury

- PhD mentoring

- Independence in funding – prestigious funding

- Group leader since ...

The CV will be analysed by the Commission Recherche from the University and accepted or not.

Questions

Discussion