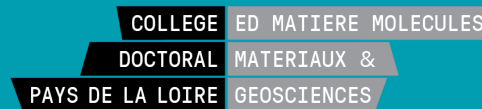


Graduate School

Matter, Molecules, Materials and Geosciences (3MG)

WELCOME GUIDE FOR PHD STUDENTS



Your professional environment as a PhD student...

Your employer



Public/private institution of your work contract:
Nantes Université, IMT-Atlantique, Université Gustave Eiffel, CNRS, CEA, IRT Jules Verne, company (CIFRE)...

Your registration institution



Public institution accredited to issue your doctoral degree



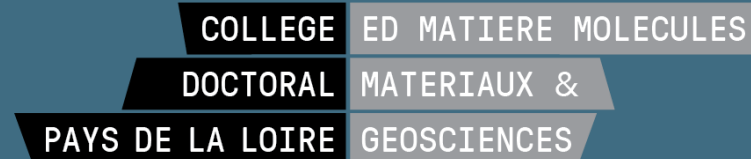
Your lab (workplace)



Research & supervisory team:
CEISAM, IMN, SUBATECH, LPG, GERS

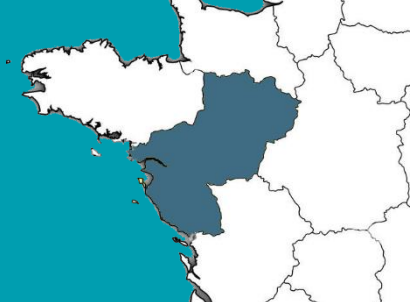
or external home labs:
CEA, IRT, etc..

Your Doctoral/ Graduate School



Internal schools of public institutions which aims to train PhD students and prepare for professional integration

COLLEGE ED MATIERE MOLECULES
 DOCTORAL MATERIAUX &
 PAYS DE LA LOIRE GEOSCIENCES



Regional context: a Doctoral College and a Doctoral School implemented in 3 cities



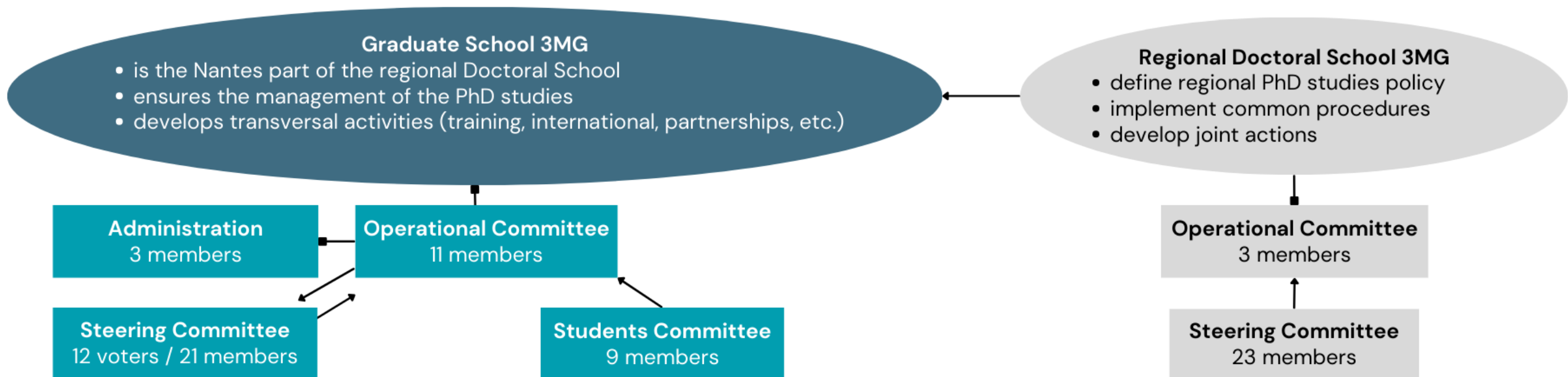
Nantes: Graduate School
160 students



Le Mans: Regional Direction
 45 students



Angers
 30 students



Graduate School « Matter, Molecules, Materials and Geosciences » (3MG)

Direction: Prof. Didier Dubreuil

Ecole Universitaire de Recherche (EUR 3MG)



5
labs



20 research areas
in physics, chemistry
and geosciences



3
Graduate
Programmes



205 students
45 at master level
160 at PhD level



240 CNRS scientists,
professors
and lecturers

Associated Labs



Chemistry And
Interdisciplinarity,
Synthesis, Analysis,
Modeling (CEISAM)
UMR CNRS 6230



Nantes Jean Rouxel
Institute of Materials (IMN)
UMR CNRS 6502



Laboratory of Planetology
and Geosciences (LPG)
UMR CNRS 6112



Subatomic Physics and
Associated Technologies
Laboratory (Subatech)
UMR CNRS 6457



Department of
Geotechnics, Environment,
Natural Risks and Earth
Sciences (GERS)

More data...



160
PhD students



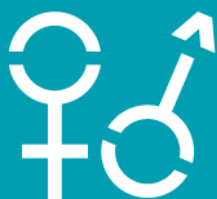
29 % in a
Graduate
Programme



27 %
from a master's
degree in Nantes



44
graduated in 2024



39 %
women



45 %
international
students

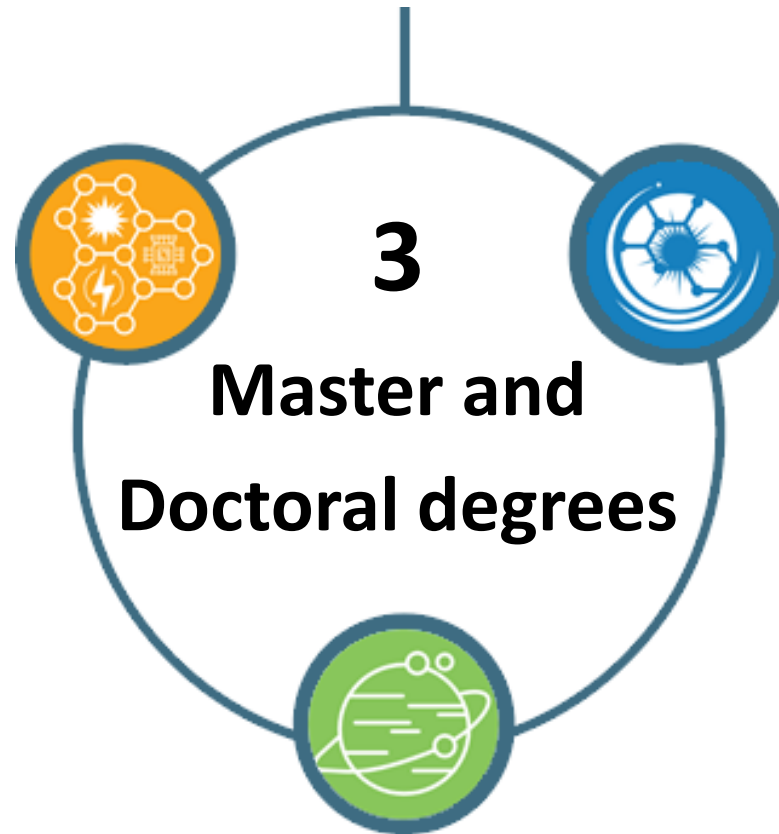


13 %
students in
co-tutelle



9 %
students in
CIFRE

Graduate Programmes / Cursus Master-Doctorat (CMD)



E-MAT INNOVATIVE MATERIALS AND ENERGY SYSTEMS

Development of functional materials for energy with applications in storage (conversion and devices), information and communications technologies, DeepTech, nanotechnologies, modeling, artificial intelligence

LUMOMAT MOLECULAR MATERIALS FOR ELECTRONICS & PHOTONICS

Development of functional materials for electronics and photonics organic with applications in photovoltaic and solar energy, photosynthesis artificial, environmental health and information storage

EPS EARTH AND PLANETARY SCIENCE

Geology, Geophysics, Planetary sciences and expertise in space missions



Your lab correspondents



Jean-Yves LE QUESTEL : jean-yves.le-questel@univ-nantes.fr

Erwan LE GROGNEC : erwan.le-grogneec@univ-nantes.fr

PhD students representatives

Armand REGHEASSE : armand.regheasse@univ-nantes.fr

Rémi GOJARD : remi.gojard@univ-nantes.fr



Christophe PAYEN : christophe.payen@cnsr-immn.fr

Bernard HUMBERT : bernard.humbert@cnsr-immn.fr

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Sandrine HUCLIER : sandrine.huclier@subatech.in2p3.fr

PhD students representatives

Emilie BARREAU : bareau@subatech.in2p3.fr

Maxime CHAILLOU : chaillou@subatech.in2p3.fr



Gabriel TOBIE : gabriel.tobie@univ-nantes.fr

Stéphane MAZZOTTI : stephane.mazzotti@univ-nantes.fr

PhD students representatives

To be named



Johnny GASPERI : johnny.gasperi@univ-eiffel.fr

PhD students representative

Clélia DOYON : clelia.doyon@univ-eiffel.fr

Contacts



For all message to the staff, please follow this e-mail subject guideline:
object_name_laboratory_PhD supervisor_date

Graduate School (Nantes)

Direction

Didier Dubreuil

Director of the Graduate School

Co-director of the Regional Doctoral School

didier.dubreuil@univ-nantes.fr

Registration, thesis defenses...

Fabienne POHLA

Administrative Assistant

ed-3mg.nantes@doctorat-paysdelaloire.fr

Training, funding, events...

Valentin PEDEN

Project manager

valentin.peden@univ-nantes.fr

Registration institutions (Nantes)

- Nantes Université : ed-3mg.nantes@doctorat-paysdelaloire.fr
- IMT Atlantique : doctorat@imt-atlantique.fr
- Université Gustave Eiffel : nathalie.lourenco@univ-eiffel.fr

Regional Doctoral School (Le Mans)

Laurent FONTAINE

Director of the Regional Doctoral School

Le Mans Université

laurent.fontaine@univ-lemans.fr

Clémence BEAUDRON

Administrative Assistant

Le Mans Université

ed-3mg.lemans@doctorat-paysdelaloire.fr

How we communicate



Please, check your student mailbox regularly

We also communicate with PhD students *via* the correspondents of each lab

Tip: set up an automatic forwarding from your student mailbox to your professional/lab mailbox

Procedures, activities...
find all information on our website

univ-nantes.fr/3MG



Steering Committee

First Name	Second Name	Lab / Institution	Function
Didier	DUBREUIL	CEISAM	Director of the Graduate School Deputy Director of the Regional Doctoral School
Olivier	GRASSET	Nantes Université	Vice-President Research and Open Science
Olivier	CHAUVET	Nantes Université	Director of the Pole Sciences and Technologies
Chantal	GAUTHIER	Faculty of Sciences and Technologies	Dean
Jean-Michel	BOULER	CEISAM	Lab Director
Florent	BOUCHER	IMN	Lab Director
Benoît	LANGLAIS	LPG	Lab Director
Pol Bernard	GOSSIAUX	Subatech	Deputy Lab Director
Eric	GAUME	GERS	Director of the Department
To be named			Member of the Students Committee
To be named			Member of the Students Committee
To be named			Member of the Students Committee
Laurent	FONTAINE	Regional Doctoral School	Director
Laurence	LE COQ	IMT-A	Director of Research and Innovation
Philippe	POIZOT	IMN	E-Mat Programme leader
Vincent	COEFFARD	CEISAM	LUMOMAT Programme leader
Gabriel	TOBIE	LPG	EPS Programme leader
Mireia	RODRIGUEZ	CEISAM	Training referent of the Graduate School
Michael	PARIS	IMN	Administrative and technical staff
To be named			Personality ext . 1
To be named			Personality ext . 2
To be named			Personality ext . 3

Operational Committee

First name	Second name	Lab / Institution	Function	Deputy
Didier	DUBREUIL	CEISAM	Director of the Graduate School Deputy Director of the Regional Doctoral School	-
Valentin	PEDEN	Nantes Université	Project manager of the Graduate School	-
Christophe	PAYEN	IMN	Lab correspondant	Bernard HUMBERT
Jean Yves	LE QUESTEL	CEISAM	Lab correspondant	Erwan LE GROGNEC
Lydie	GIOT	SUBATECH	Lab correspondant	Sandrine HUCLIER
Johnny	GASPERI	GERS	Lab correspondant	Eric GAUME
Stéphane	POCHAT	LPG	Lab correspondant	
Philippe	POIZOT	IMN	E-Mat Programme leader	Jean Luc DUVAIL
Vincent	COEFFARD	CEISAM	LUMOMAT Programme leader	Clémence QUEFFELEC
Gabriel	TOBIE	LPG	EPS Programme leader	

Students Committee

First name	Second name	Lab / Institution	Deputy
Armand	REGHEASSE*	CEISAM	Rémi GOJARD, Jean-Loup MULTRIER*
Coline	CHARTRAIN*	IMN	Aline KNEUBL
To be named		LPG	
Emilie	BARREAU	Subatech	Maxime CHAILLOU
Clélia	DOYON	GERS	X

*also elected in the Regional Doctoral School Steering Committee



Ceisam Association for Scientific and Social Interactions between Researchers



Mental support and help unit



Improve the communication intra and inter team / between permanent and non-permanent members



Create a scientific network with former and current students



Facilitate the integration and cohesion at the CEISAM for newcomers

- Organize convivial events (sports, bar/restaurant, gala...)
- Organize scientific events (vulgarization, conferences ...)



Collaborate with other student associations



@cassir.asso



Cassir Association

Ceisam_cassir@univ-nantes.fr



Association des non-permanents

de l'Institut des Matériaux
de Nantes Jean Rouxel
(Depuis 11/09/2019)



Bureau 2024-2025 (9)



Groupe WhatsApp
des non-permanents



Objectif :

1 évènement convivial
par mois minimum



Missions clés :

- Evènements autour de la cohésion, convivialité et détente
- Solidarité entre anciens et nouveaux doctorants
- Accompagnement des nouveaux arrivants
- Valorisation des travaux des doctorants

Moment phare de l'année : Journées des doctorants (JDD)



1^{ère} année de doctorat :
Présentation d'un poster



2^{ème} année de doctorat :
Présentation orale



Nouveauté 2025 !

Concours photo

« Ma thèse en une photo »

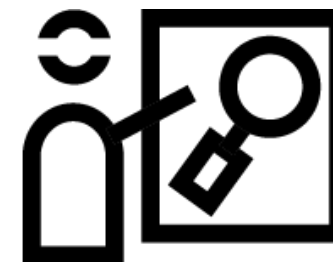
Doctoral training



Registration for all the following courses on AMETHIS
amethis.doctorat.org

100 HOURS MINIMUM ARE REQUIRED FOR THE THESIS DEFENSE
(50 hours for « co-tutelle » or CIFRE)

Any combination is accepted providing a discussion with your PhD supervisor(s) about your foreseen training activities.





BASICS FOR RESEARCH

RESEARCH ETHICS (<u>MANDATORY</u>)	OPEN SCIENCE (<u>MANDATORY</u>)	WRITE & PUBLISH YOUR PAPER*	THESIS WRITING WORKSHOP*	INTERVENIR EN TP OU EN TD
ANALYTICAL TOOLS MEETING	GREEN SCIENCE	AI FOR RESEARCH	GENERAL PUBLIC COMMUNICATION	RESEARCH TRANSFER

 recommended courses

*Priority to 2nd year PhD students




Doctoral training

 optional courses
 to be determined

DATA ANALYSIS AND PROCESSING

Python	OriginPro	MATLAB	VBA Excel for research	High performance computing	Build your own AI tool
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ANALYTICAL TOOLS DISCOVERY SESSIONS

Structure and surface of materials	Nuclear magnetic resonance	 TBD Mass spectrometry and chromatography	 TBD Radiochemistry	 TBD Geochemistry
			Arronax cyclotron	

INNOVATION & TRANSFERT (EN FRANÇAIS)

B.a.-ba de la valorisation de la recherche publique	La propriété intellectuelle : enjeux et cas concrets	Bonnes pratiques pour la conduite de projets	Le transfert technologique	Doctinnov : créativité et entrepreneuriat	Doctoriales : projet, innovation, entrepreneuriat
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MÉDIATION SCIENTIFIQUE (EN FRANÇAIS)

Ma thèse en 180 secondes	Découvrir la diffusion de la culture scientifique	Communication orale	Construire un atelier de médiation	Ecrire un article de vulgarisation	Atelier de culture scientifique – Tech'nomad
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Doctoral training



LOOKING FOR MORE COURSES?

The Regional Doctoral School offers courses in physics, chemistry and geosciences. You can also register for general courses of the Doctoral College, or from other Doctoral Schools.

Full catalog: amethis.doctorat.org

TRAINING EQUIVALENCES

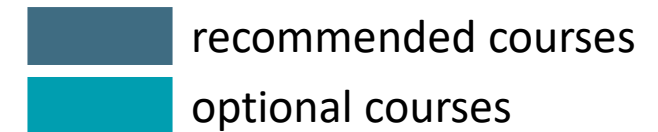
If you take training courses outside AMETHIS or carry out specific activities during your PhD, you can benefit from equivalence hours:

- Training schools, MOOC/online courses, master's degree courses...
- Presentation in national/international conferences
- Undergraduate supervision (student tutorings at bachelor or master level)
- Activities of scientific dissemination (Fête de la science, other actions...)

Procedure: univ-nantes.fr/3MG



Upcoming sessions (February-April)



11-12/02 Chromatographies liquides et gazeuses : Fonctionnement et opération de maintenance de base (DIS-3MG-03)

17-18-19-20/02 Physical mechanisms of mutual transformations of light and sound (DIS-3MG-21)

19/02 Communication orale en français (COM-CDPDL-03)

25/02 Why communicate your science to the general public? (COM-CDPDL-12)

26/02 + 12-19/03 How to write and publish your paper (COM-CDPDL-11)

27/02 Découvrir la diffusion de la culture scientifique et technique (COM-CDPDL-02)

24/02 Molecularly imprinted polymers (DIS-3MG-01)

13/03 Analyse de la structure et de la surface des matériaux - Plateforme PLASSMAT de l'IMN (DIS-EUR3MG-20)

24-25-26/03 Introduction to atomistic simulations (DIS-3MG-27)

25/03 Découvrir la diffusion de la culture scientifique et technique (COM-CDPDL-02)

28/03 Parallel Computing - Introduction to High Performance Computing (DIS-EUR3MG-15)

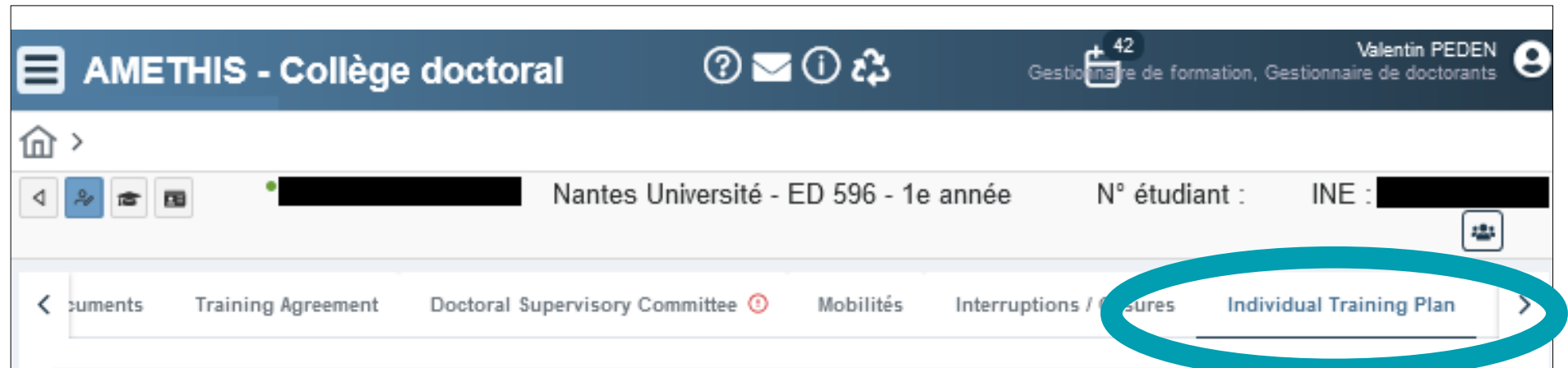
08-09/04 Scattering techniques applied to soft matter (DIS-3MG-15)

23-24/04 Propriétés physiques et mécaniques des polymères : relation structure/propriétés (DIS-3MG-06)

28/04 Research transfer & innovation in physics, chemistry and geosciences (DIS-EUR3MG-06)

29/04 Découvrir la diffusion de la culture scientifique et technique (COM-CDPDL-02)

Create your Individual Training Plan



HOW TO BE NOTIFIED AT THE OPENING OF A SESSION?



Our recommended courses are automatically integrated into your AMETHIS Individual Training Plan



You can personalize it according to your needs, for example by adding any of our optional courses



It will allow you to receive notification at the opening of a session

Events for Nantes PhD students



LAB CONFERENCES

Develop your scientific knowledge and your interdisciplinary skills by participating in conferences organized by our labs.



TRAINING SCHOOLS

Take part in an intensive week of courses and workshops led by one of our Graduate Programmes, labs or partners.

**GRANTS TO FUND
YOUR PARTICIPATION
OPENING SOON**



DOCTORAL SCHOOL DAY

Discover the projects of PhD students and practice your communication and poster design skills.

NEXT SESSION: JUNE 2



PROFESSIONAL MEETINGS

Meet alumni from our labs and participate to our sessions dedicated to the career development of PhD students.

**FIRST MEETING
COMING SOON**



STUDENTS INITIATIVES

Participate in scientific or social events organized by student associations to facilitate integration and cohesion.

**CEISAM CONGRESS:
MARCH 12-13
JDD IMN: APRIL 24-25**

Doctoral School Day (JED)

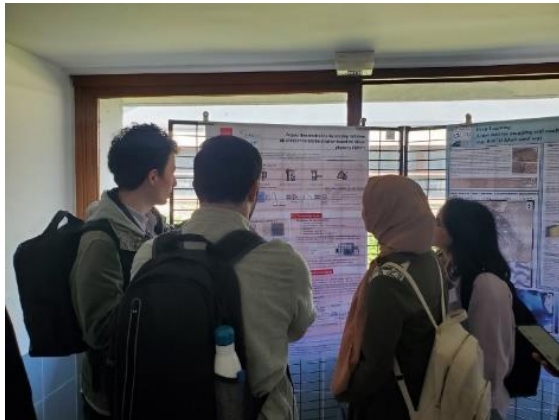
ONCE A YEAR

One day meeting:

- Plenary conference
- Oral communications of PhD students
- Posters sessions of PhD students

Mandatory participation in at least two JEDs during the 3 years thesis

**JUNE 2, 2025
LE MANS**



PhD Mobility Grants for 2025

FOR WHAT?

- Training schools
- Scientific collaborations with a foreign laboratory
- Training in a foreign laboratory

Travel to the partner laboratory is not eligible for thesis in co-supervision

HOW MUCH?

- €350 in France
- €500 in Europe (including UK)
- €800 outside Europe

HOW TO APPLY?

- You will receive an information by email in the following weeks
- The application form will be available on our website
- 2 or 3 calls will be offered, for a mobility before December 31, 2025



**CALL
OPENING
SOON**

MA THÈSE ▶▶ EN 180 SECONDES



QUALIFICATION

Du suspens, des exploits,
une ambiance Comedy Club,
une place en finale à décrocher !

Lundi 10 mars 2025
20 h — Stereolux

Inscrivez-vous :

univ-nantes.fr/mt180

Organisé par :



Avec le soutien de :



Thesis individual monitoring committee (CSI)

MANDATORY FOR ALL PHD STUDENTS



THE CSI COMPOSITION MUST BE SET UP ON AMETHIS BY THE PHD STUDENT NO LATER THAN 4 MONTHS AFTER THE 1ST YEAR OF REGISTRATION AND MUST BE VALIDATED BY THE GRADUATE SCHOOL

1st and 2nd years:

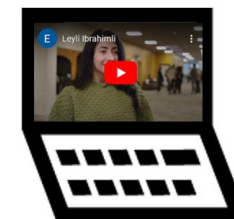
- Each year, a meeting must be organized preferably in person, or by videoconference
- A thesis and training report must be sent to the CSI members at least two weeks before the meeting
- The meeting must take place at least two weeks before the expected return deadline of the report by the CSI referent (before 15/06/2025).

3rd year:

- No CSI requested for a defense before 31 December of the 3rd year of the thesis
- In case of PhD defense after 31 December, see instructions in the thesis defense procedure

Find procedure, deadlines, forms to complete... on our website

univ-nantes.fr/3MG



Thesis individual monitoring committee (CSI)

The PhD individual committee is composed of at least two people not involved in the thesis, with almost one HDR :

- at least one member specialized in the discipline or related to the field of the thesis
- at least one non-specialist of the discipline and outside the research field of the thesis.
The doctoral school defines the notion of research field in its internal regulations.
- at least one member from outside the research unit, registration institution and doctoral school perimeter.

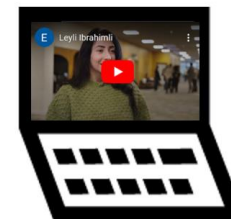
Among these members, a referent must be named for filing the report on AMETHIS.

The PhD supervisor and the director of the Graduate School validates the composition of the CSI under the conditions specified by the doctoral school council and included in the internal regulations.

**IT IS REQUESTED TO CONTACT THE MEMBERS OF YOUR CSI BY VIDEOCONFERENCE
WITHIN THE FIRST 6 MONTHS OF THE 1ST YEAR OF REGISTRATION**

Find procedure, deadlines, forms to complete... on our website

univ-nantes.fr/3MG





**LA COMPOSITION DU CSI DOIT ÊTRE MISE EN PLACE SUR AMETHIS PAR LE DOCTORANT
AU PLUS TARD 4 MOIS APRÈS SON INSCRIPTION EN 1^{ÈRE} ANNÉE ET DOIT ÊTRE VALIDÉE PAR L'ÉCOLE DOCTORALE**

1^{ère} et 2^{ème} années :

- Le CSI doit être organisé chaque année en présentiel de préférence, ou par visioconférence, quelle que soit la date du début de thèse dans l'année.
- Un rapport des travaux de thèse et un bilan des formations doctorales est à fournir aux membres du CSI 2 semaines avant la réunion.
- La réunion du CSI doit elle-même se dérouler au moins 2 semaines avant la date limite de retour du compte-rendu à l'ED par le référent CSI désigné par le/la doctorant.e (au plus tard le 15 juin 2025)

3^{ème} année :

- Pas de CSI demandé pour une soutenance avant le 31 décembre de la 3^{ème} année d'inscription en thèse.
- En cas de soutenance au-delà de cette date, un CSI est obligatoire et une Demande de Délai Supplémentaire (DDS) est impérative.

Procédures, dates limites, formulaires à compléter...

univ-nantes.fr/3MG



Comité de suivi individuel (CSI)

Le comité de suivi individuel doit être constitué d'au moins deux personnes non impliquées dans la thèse dont une au moins HDR :

- au moins un **membre spécialiste** de la discipline ou en lien avec le domaine de la thèse
- au moins un **membre non spécialiste extérieur au domaine de recherche** de la thèse.

L'école doctorale définit ce critère par la spécialité de ce rapporteur qui ne doit ni être dans le domaine scientifique du sujet de thèse, ni s'inscrire dans une spécialité connexe en lien avec le sujet de thèse (spécialité thématique d'une collaboration, comme des domaines biologiques ou expérimentaux, par exemple).

- au moins un membre extérieur à l'unité de recherche du/de la doctorant·e et à son établissement d'inscription (périmètre régional de l'ED inclus).

Parmi ces membres, un référent doit être nommé pour le dépôt du rapport sur AMETHIS.

Le directeur de thèse valide la composition du CSI sur AMETHIS dans les conditions précisées par le conseil de l'école doctorale et inscrites dans son règlement intérieur.

**IL EST DEMANDÉ DE CONTACTER LES MEMBRES DE VOTRE CSI PAR VISIOCONFÉRENCE
DANS LES 6 PREMIERS MOIS DE LA THESE**

Procédures, dates limites, formulaires à compléter...

univ-nantes.fr/3MG

