



Welcome Day – INSA Ph.D. Students

30/01/2024





Outline

- **Welcome** – M.-C. Baietto
- **Introduction** – M. Lallart
- **FEDORA department** – M. Lallart
- **Student support and management in INSA** (ADUM, student service)– M. Dollinger
- **UdL services** – M. Dollinger
- **Medical Services (SMP)** (5') – M. Dollinger
- **Documentation service / Scientific Integrity / Open Sciences** – M. Lallart





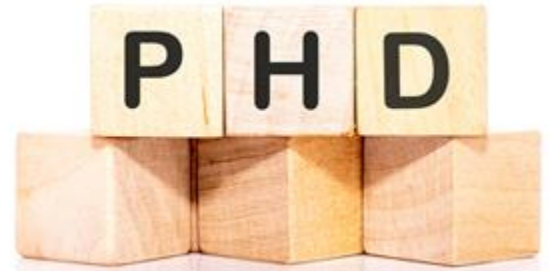
Welcome address

Marie-Christine BAIETTO

Vice-President for Research, INSA Lyon

01

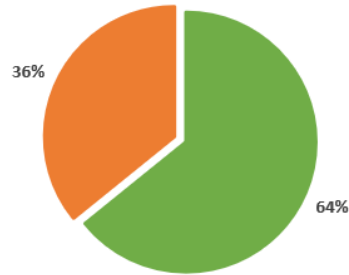
Introduction – Why a Ph.D. curriculum?



Ph.D. studies: how and why?



Répartition secteur privé / secteur public



■ Salarié-e du secteur privé ■ Salarié-e du secteur public

(Enquête INSA Lyon sur l'insertion professionnelle
docteurs - promotion 2019)

- ~**36%** of the Ph.D. awardees in **public academic research**, ~**64%** in **companies**
- **RNCP form** (National Registry of Professional Certification) : **acknowledgment of the specific skills** of Ph.D. holders, notably for **companies**

<https://www.teepublic.com/>



- **Significative difference in the middle of the professional life**
- **Political actions to promote the Ph.D. in companies: CIR** (tax refund)
- **Network aspects:** facilitated access to specific and big scientific that are mastered, and to sharp expertise



<https://www.arkema.com/global/fr/careers/future-graduates/phd-graduates/>

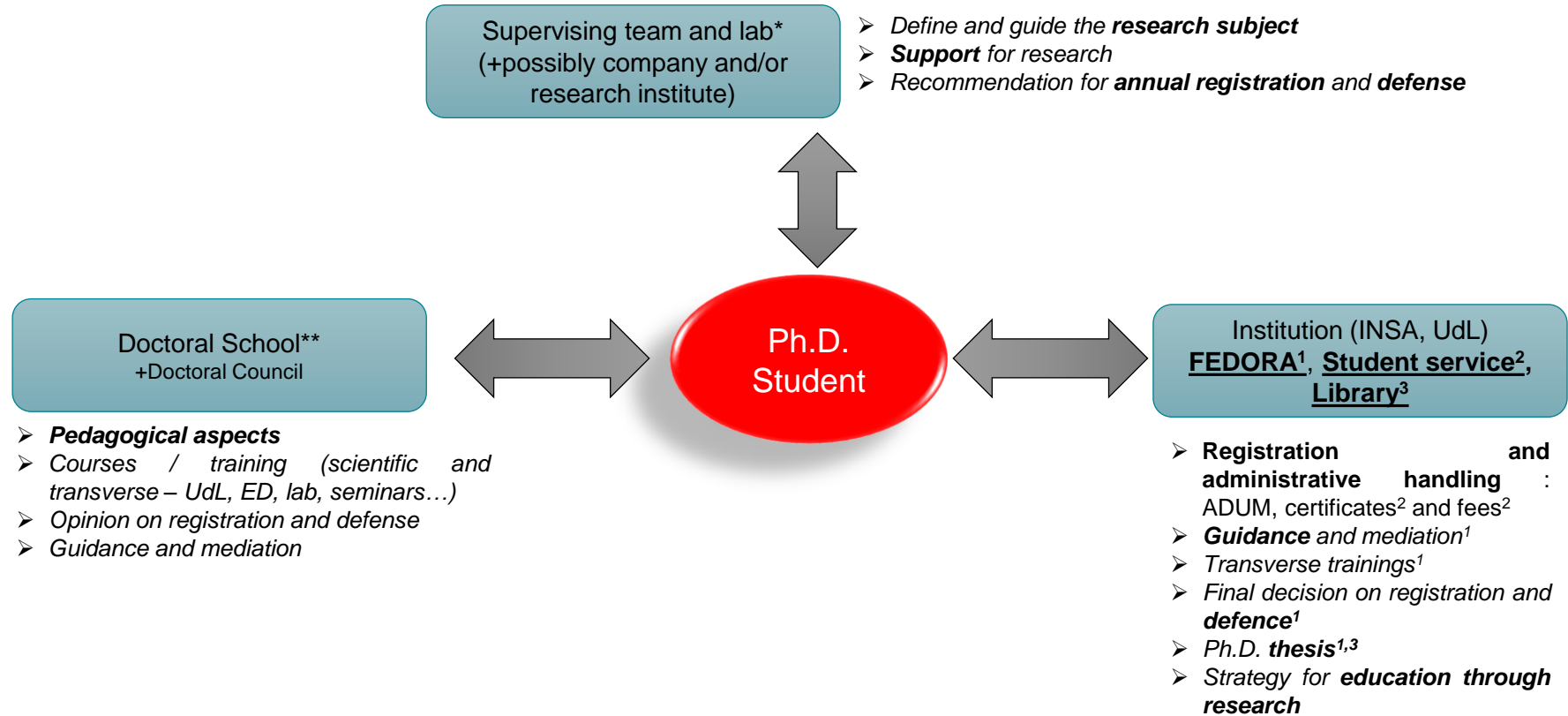


<https://www.pulsalys.fr/article/programme-jeunes-chercheuses-special-startup>



<https://www.lesechos.fr/2018/01/le-doctorat-enfin-un-passeport-pour-lentreprise-981599>

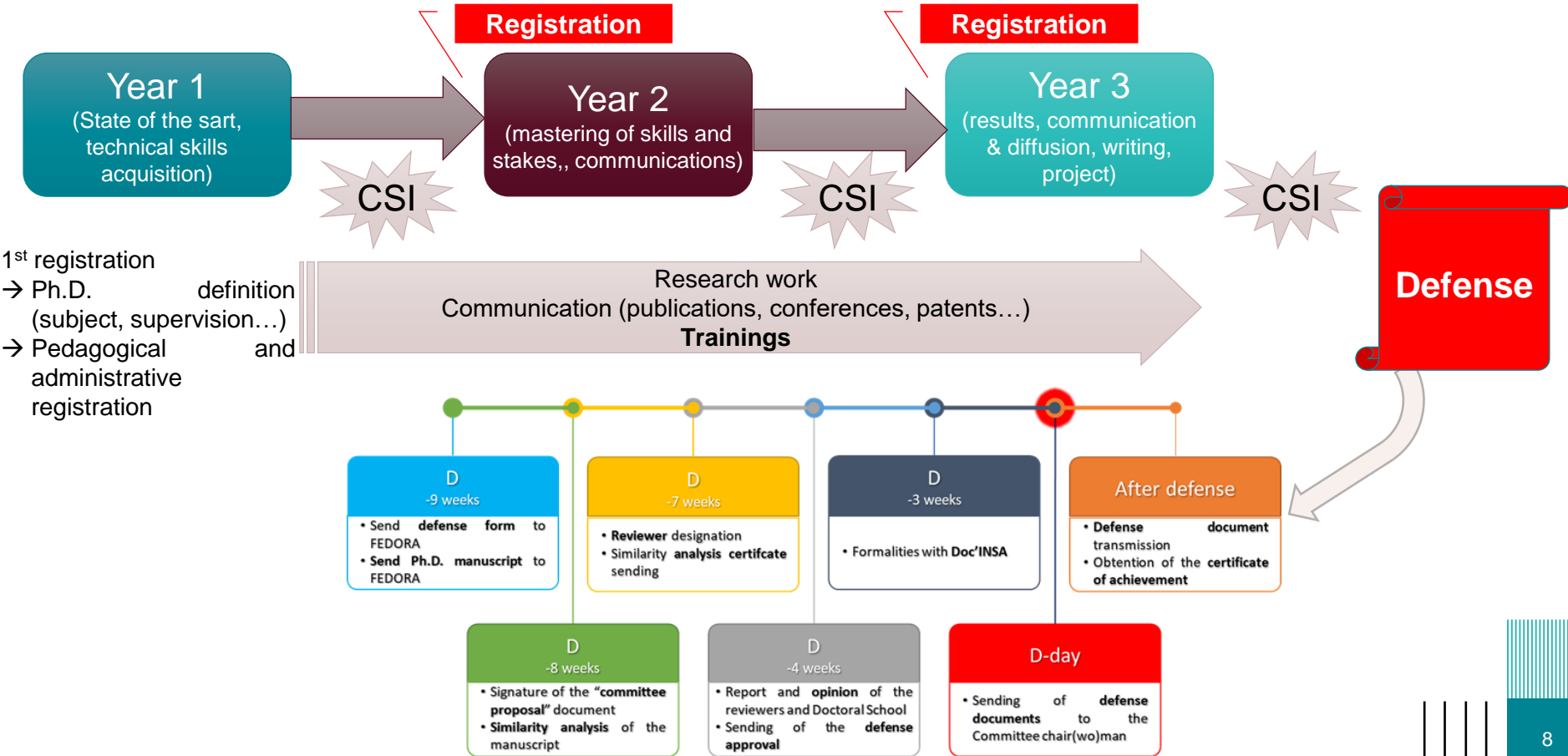
« Over the past ten years, **companies** have become **increasingly aware of the added value of Ph.D. in all disciplines**. They now realize that **innovation**, which largely determines their success in the marketplace, depends on the **presence of PhDs** in their teams. » - Christelle Ventura, Director Adoc Talent Management (translated with DeepL)



* Ampère, BF2I, CETHIL, CITI, CREATIS, DEEP, DISP, ELYTMax, EVS, GEOMAS, ICBMS, ICJ, IMP, INL, LaMCoS, LGEF, LIRIS, LMFA, LN2, LVA, MATEIS, MAP

** E2M2, EDISS, EDML, EEA, InfoMaths, Matériaux, MEGA, ScSo

Ph.D. in INSA: journey



02

FEDORA Department

INSA INSTITUT NATIONAL
DES SCIENCES
APPLIQUÉES
LYON

DÉPARTEMENT

MASTER

DOCTORAT

CO-DIRECTION
HDR

SÉMINAIRES
FORMATIONS

PROGRAMMES

DÉPARTEMENT FEDORA

FORMATION PAR LA RECHERCHE ET LES ETUDES DOCTORALES

FEDORA (Formation par la rEcherche et les études DOctoRAles) est né de la volonté de faire vivre un lien déjà fort entre la Formation et la Recherche sur le campus de l'INSA

Département FEDORA

INSA Bâtiment Direction – 2ème étage

FEDORA Department

Education through Research and Doctoral Studies

- Located at the **2^{ème} floor of Direction** building (20 avenue Albert Einstein, 69621 Villeurbanne Cedex)
- Missions:** management and implementation of the Institution's missions:
 - On the general **links between education and research** at INSA Lyon
 - On the **Education through Research***
 - On the **doctoral training****, HDRs (habilitation)
 - Concerning **Doctoral Schools** whose **INSA** is main operator (EEA and MEGA)

The team:

Mylène DOLLINGER

Hongxia FU

Philomène TRE COURT

Mohamed ZIDA

Mickaël LALLART

DOCTORALES STUDIES

DEFENSE – Ph.D. & HDR

DOCTORAL SCHOOLS

EDUCATION THROUGH RESEARCH

Support to the doctoral training

Ph.D., HDR

MEGA, EEA

Administrative and budget management

Direction

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fedora-doc@insa-lyon.fr

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fedora-doc@insa-lyon.fr

Tel. +33 (0)4 72 43 71 70
mega@insa-lyon.fr
secretariat.edeea@insa-lyon.fr

Tel. +33 (0)4 72 43 82 16
fedora-for@insa-lyon.fr

Tel. +33 (0)4 85 82
mickael.lallart@insa-lyon.fr



* Research path, ...

** Registration, defense, Double Degree, mediations, transverse training, events, Ph.D. contracts, mobility, awards...

FEDORA for the Ph.D. in a few examples

Trainings



<https://www.fetedelascience.fr/sciences-en-bulles-la-recherche-en-bd>

Support to international mobility



<https://www.enseignement.uliege.be>

Event and support



4^e PRIX DE THÈSE
INSA LYON 2021



Scientific integrity

Les étudiants utilisent de plus en plus le "plagiat scientifique"



www.futura-sciences.com



« Skills for the Company » curriculum (CPE – Compétences pour l'entreprise)

- This curriculum aims at providing Ph.D. student a set of **skills sought by companies**
- This leads to a **certification « Skills for Companies »**
- Objectives: help the **professional insertion** of Ph.D. awardees
- Organization:
 - “**Theoretical**” **training of 70 hours**, that can be combined with doctoral training (UdL, etc.)
 - A minimum of **30 hours** of experience '**with or in**' a company

Applications to be sent to FEDORA



Conclusion: the place of the Ph.D. in the professional project

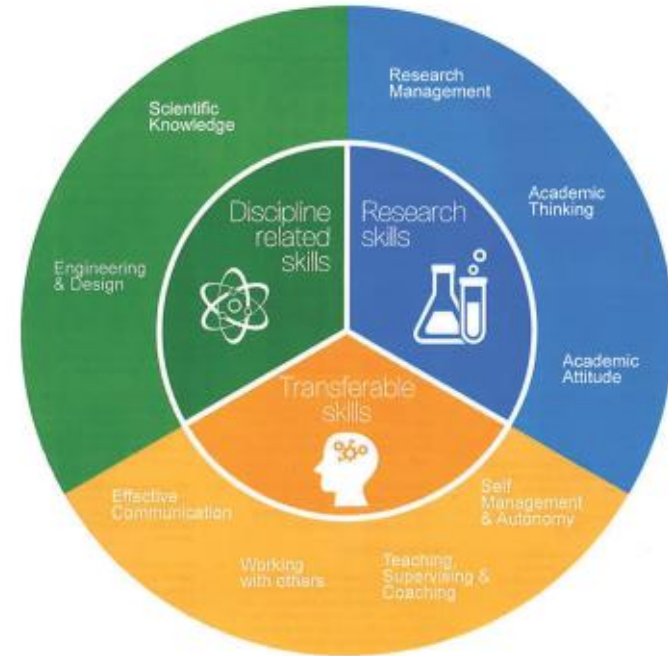


■ The Ph.D., a professional asset

- Education **THROUGH** Research leading to a **variety of perspectives**
- Multiple skills
 - Scientific (understanding, mastering, integrating, communicating)
 - Professional (organizing, facilitating, advising, communicating, networking)
 - Personal (getting to know yourself and developing **your** project)

■ Day-to-day support for success: supervising team, lab, Doctoral School, Institute, university group

- Research
- Registration
- Trainings
- Defense
- Mediation



03

Pedagogical and administrative support in INSA

We intervene at step 5/6 on ADUM

Depending on the year of registration, the documents to be provided are different.

They are detailed on the Fedora website:

PhD/First year registration

or

PhD/Registration from 2nd year



ACCÈS DOCTORAT UNIQUE ET MUTUALISÉ

PORTAL INTERNET D'INFORMATIONS, DE SERVICES, DE COMMUNICATION, DES DOCTORANTS ET DOCTEURS

- Step 5/6

For D1 : 8 documents to be provided (9 for Double Degree)
Pay attention to the choice of discipline!

D2/D3 : 3 to 4 documents

D4: Non-mandatory funding, + request for extension

Make sure to keep your registration in ADUM up to date, especially before the
defense

Please Notice This



ANNUAL ACADEMIC PROCEDURE

To Do List

ADUM registration
INSA registration



- CVEC payment
- Pay the registration fee

- Re-register every year on (ADUM, PEGASE)

- have a minimum funding of 1400€/month

The Administrative Direction for Education (student service)

Slides made from the transparencies of the student service



AS FEDORA the Student Service depends on the Institute
At Student Service , you finalize your administrative registration.

Step 6/6 on ADUM

Once your application is complete and the tuition fees are paid, you will receive:

Student card – IT account – Certificate of enrolment

Student Service schedules:

Open **every day except Friday**

from **8:45 am to 12:30 pm** and from **1:30 pm to 5 pm**

Closed to the public on Friday afternoons


Mail address: doctorat@insa-lyon.fr

Phone: 04.72.43.85.60

04

UdL services

Slides made from the transparencies of SED



**SERVICE DES ÉTUDES
DOCTORALES**

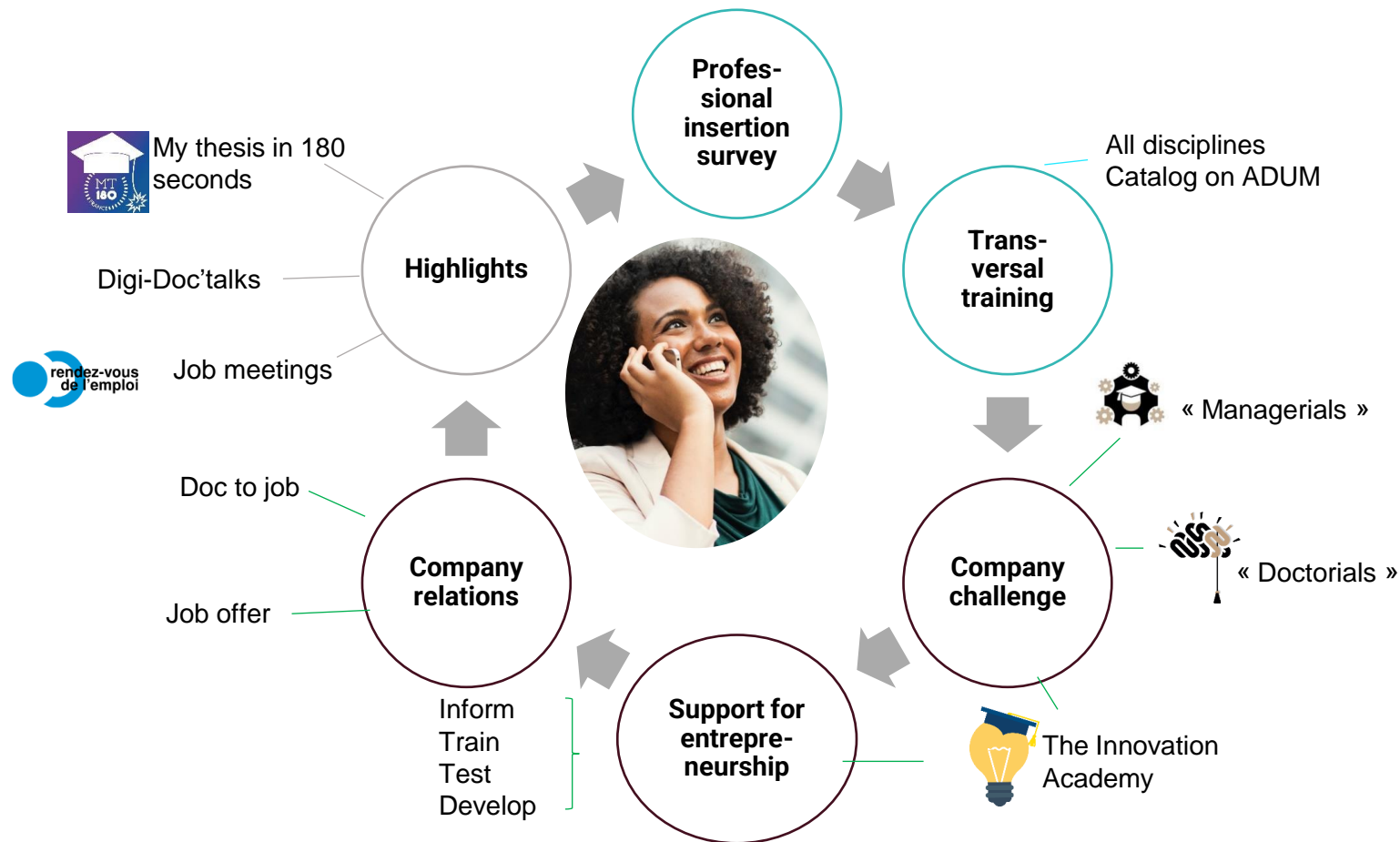
**L'UNIVERSITÉ DE LYON VOUS
ACCOMPAGNE TOUT AU LONG DE
VOTRE DOCTORAT ET FACILITE VOTRE
ÉVOLUTION PROFESSIONNELLE**

 **UNIVERSITÉ
DE LYON**

Source : Unsplash

contact.doctorat@universite-lyon.fr

Christele.izoard@universite-lyon.fr

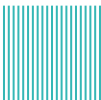




- <https://espace-ulyx.universite-lyon.fr/> : a service for foreign researchers from outside the EU
- For: **Prefecture application, health insurance, housing etc,**
- To benefit from the support of Espace Ulys, you must **register on the EURAXESS database for research mobility**. Registration is **compulsory, free of charge** and specifies the conditions of your stay.



information@espace-ulyx.fr



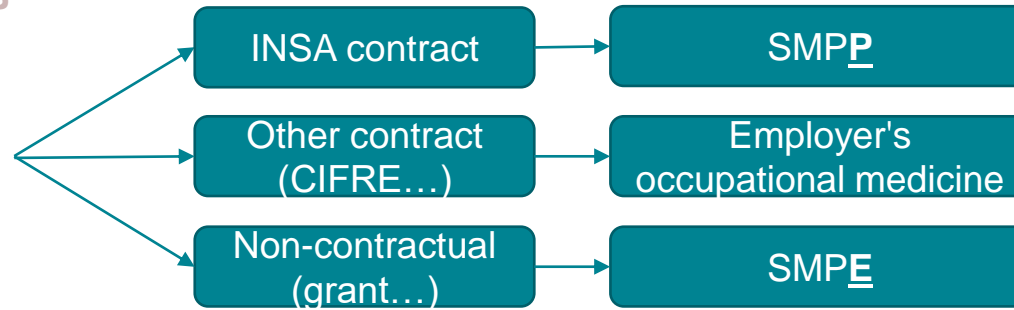
05

Preventive Medicine Services



<https://www.insa-lyon.fr/fr/centre-sante-insa>

SMPE and SMPP



Other services available

- **In case of an administrative issue (INSA contracts)**
Teacher-Researcher EC Pole drh-ec@insa-lyon.fr
- **In case of a social issue**
Social Worker for the staff: florence.tesseraud@insa-lyon.fr 04 72 43 88 80
- **In case of psychological issue**
Referral to
Either the **PAS MGEN network** to talk to an e-psychologist 0 805 500 005
Either the **CAP service**: Personalized advice and support for INSA students service.cap@insa-lyon.fr 04 72 43 74 50
- **In case of a problem of Discrimination Harassment Gender-based or sexual violence (DHVSS)**
Referral to the listening unit: cellule.ecoute@insa-lyon.fr
- **In case of suffering at work**
Orientation to the unit emt@insa-lyon.fr
- **Quality of Life at Work Officer / Disability Correspondent**
Eliane Roupie : eliane.roupie@insa-lyon.fr

Focus: Medical surveillance of contractual doctoral students

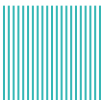
- **Medical visit at hiring** within 3 months
- **For all Ph.D. students: BIENNIAL specific medical follow-up**
- **Specific ANNUAL medical follow-up**
 - If **disability**
 - If **pregnant**, recently given birth or breastfeeding
 - If **reinstated** after long-term sick leave or long-term leave
 - Or suffering from **specific pathologies** determined by the institute medical service
 - **Pre-reinstatement visit** if there is a risk of difficulties at the position during the reinstatement
- **Reinstatement visit** organized within 8 days, after a leave of more than 30 days.
- **Visit at the request of the Ph.D. student** if difficulties at work in relation to health or work problems impacting health
- **Visit at the request of the employer** to verify the adequacy of the member's health to his or her position.
- **Visit at the request of the medical service**



Focus: Medical surveillance of Ph.D. students

During the work health visit

- Bring **your vaccination record and glasses**
- **The individual exposure form (FIE)** to risks
 - ACD-CMR: Hazardous Chemical Agents CMR
 - ROA : Artificial Optical Radiation
 - RI : Ionizing radiation
 - This form must be signed by the Director of the unit (lab) and kept by the unit and the Ph.D. student
- **Additional examinations are carried out during the visit:** visual tests, hearing tests, urine tests in the context of public health and health at work.
- **Prescription of additional** examinations covered by the INSA
 - If exposed to chemical hazards: **biological assessment**
 - If exposed to the laser risk class 3 or 4: **ophthalmological assessment**
 - Other examinations based on occupational exposures



06

Documentary resources



*Slides made from the SCD/Marie
Curie Library slides*

The library: a physical and virtual place of exchange

Places and services

- **Rooms** (to be booked) for **teamworking** <https://bibliotheque.insa-lyon.fr/cms/articleview/id/4467>
- **Scientific and cultural mediation** (exhibitions, conferences, Science Festival, etc.) <https://bibliotheque.insa-lyon.fr/accueil>

HORAIRES

< 30/01 - 05/02 >						
Lundi	Mardi	Mercredi	Jeudi	Vendredi	Samedi	Dimanche
09:00 22:00	09:00 22:00	09:00 22:00	09:00 22:00	09:00 22:00	09:00 17:00	Fermé

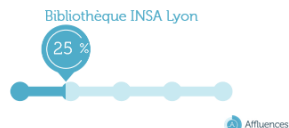
Retrouvez le calendrier annuel

RÉSERVER UNE SALLE

 1 amphithéâtre, 2 salles de créativité et 1 salle de TD

 16 salles de travail en groupe


 7 salles individuelles (carrel)




Documentary resources

- **Search engines** to access resources
- More than **116,000 physical documents** and about **300 subscriptions to physical journals**
- **Approximately 100,000 million digital articles** accessible **on-site and remotely** (through authentication) <https://bibliotheque.insa-lyon.fr/panorama-ressources>


EN CE MOMENT



[Exposition] Le corps
Exposition de toiles réalisées pendant les cours par les élèves de Murielle Andrieu Le Gallies du CASI



[Programme] Cycle de l'énergie
du 16 janvier au 12 avril 2024
Découvrez le programme complet du cycle de l'énergie.



[Visite] La sobriété énergétique et l'INSA, on en parle ?
La sobriété énergétique et l'INSA, on en parle ?

The Library: a place of counselling and learning for Ph.D. students



Librarians at your service

- **Documentary information**
- **Trainings**
 - Ph.D. students: writing, Open Science,... by UDL <https://www.universite-lyon.fr/formation/formation-doctorale/>
 - All audiences: use of the documentary portal, bibliographic management, etc. by the INSA library <https://bibliotheque.insa-lyon.fr/cms/articleview/id/6301>



Service for PhD students

- From the writing to the defense and dissemination of the thesis <https://bibliotheque.insa-lyon.fr/cms/articleview/id/6201>
- Tools to help with the writing and dissemination of the thesis

○ **Contacts :**

- *Digital Resources*
docelec.insa1@insa-lyon.fr
- *Printed and digital theses*
dalila.boudia@insa-lyon.fr
- *Documentary information*
contact-rd@insa-lyon.fr
doc@insa-lyon.fr

07

Scientific Integrity

THE LANCET

Search for in All Fields [Advanced Search](#)

[Home](#) | [Journals](#) | [Content Collections](#) | [Multimedia](#) | [Conferences](#) | [Information for](#)

The Lancet, [Volume 361, Issue 9352](#), Pages 117 - 124, 11 January 2003
doi:10.1016/S0140-6736(03)12229-5 [Cite or Link Using DOI](#) [Previous Article](#) | [Next Article](#) >

This article was retracted

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RETRACTED: Combination treatment of angiotensin-II receptor blocker and angiotensin-converting-enzyme inhibitor in non-diabetic renal disease (COOPERATE): a randomised controlled trial

Dr Naoyuki Nakao MD , Ashio Yoshimura MD , Hiroyuki Morita MD , Masyuki Takada MD , Tsuguo Kayano MD , Prof Terukuni Ideura MD 

Summary

Background

Present angiotensin-converting-enzyme inhibitor treatment fails to prevent progression of non-diabetic renal disease. We aimed to assess the efficacy and safety of combined treatment of angiotensin-converting-enzyme inhibitor and angiotensin-II receptor blocker, and monotherapy of each drug at its maximum dose, in patients with non-diabetic renal disease.

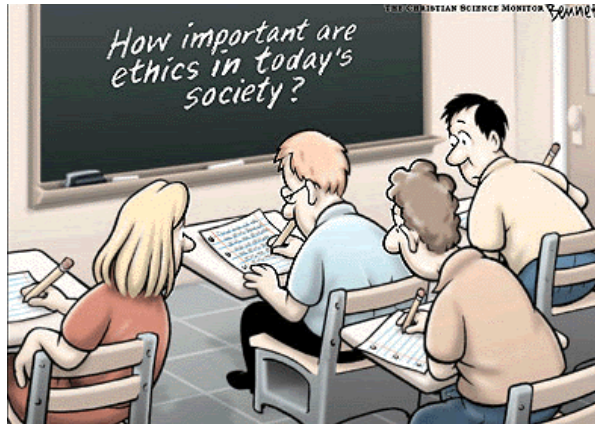
<https://www.lemonde.fr/blog/realitesbiomedicales/2013/12/04/la-fraude-scientifique-fleau-de-la-litterature-biomedicale/>

Sources of the slides: Goetgheluck Nicole, Bligny Elodie, Emmanuelle Bahu-Marquis. Qu'est-ce que l'intégrité scientifique. 2021 [diaporama, 12 pages]. Insa Lyon [en ligne] <https://moodle.insa-lyon.fr/>.

Scientific Integrity: Background

- **Principles of Integrity:** Reliability + Honesty + Respect + Responsibility (shared) ; Source : [Code de conduite européen de l'intégrité scientifique](#) (ALLEA, 2018). Includes non-plagiarism.
- **Research Ethics:** « A reflective ethic that invites the researcher to question his or her practices, values and goals» Source : [Mooc : "Ethique de la recherche"](#) (translated)

2005: **European Charter of researchers**
2010: **Singapore Declaration on Research Integrity**
2015: **1st National Charter of Ethics for Research Professions**
2017: **French Office for Scientific Integrity (OFIS) – Hcéres**
2021: **French Decree** relative to the requirements of scientific integrity by public institutions and foundations recognized as being of public utility whose main activity is public research contributing to the public research service



<https://sites.google.com/site/ethicspathfinder/>

- **Scientific integrity = researcher ethics**
 - Apply **validated methods** and ensure the **reproducibility of experiments** (no fabrication or manipulation & no concealment of results)
 - Respect **copyright** (rejection of plagiarism) - *Intellectual Property Code* (article L. 335-2)
 - Choose **varied, peer-reviewed documents** that adhere to these principles
 - Respect of **conflicts of interest**
- INSA Lyon (and by extension its staff and students) is **signatory** of the [French Charter of Ethics for Research Professions](#) and of the [European Code of Conduct for Research Integrity](#) (ALLEA, 2018)

Scientific Integrity: Ph.D.

■ Plagiarism: often the consequence of negligence

→ Learn to:

- **Cite the sources:** « *citation* » and citation reference
- **Reference:** use of bibliographic management software (Zotero, JabRef, ...)
- See https://bibliotheque.insa-lyon.fr/parcours_recherche

■ Training & information (can be found on the documentary portal, menu [parcours recherche](#))

- [MOOC on research ethics](#), Université de Lyon
- [MOOC on scientific integrity](#), Université de Bordeaux
- [UDL Anti-Plagiarism Campaign](#)
- <http://referencesbibliographiques.insa-lyon.fr/>

■ Resources implemented at INSA

- **Similarity detection** software, for all student work, including theses (under the authority of the FEDORA department) which are published under the seal of INSA Lyon
 - Issuance of a **certificate** to be included in the thesis manuscript
- **Disciplinary Commission** explicated in the Internal Rules of Procedure <http://referencesbibliographiques.insa-lyon.fr/content/sanctions-encourues-en-cas-de-plagiat-linsa-lyon>

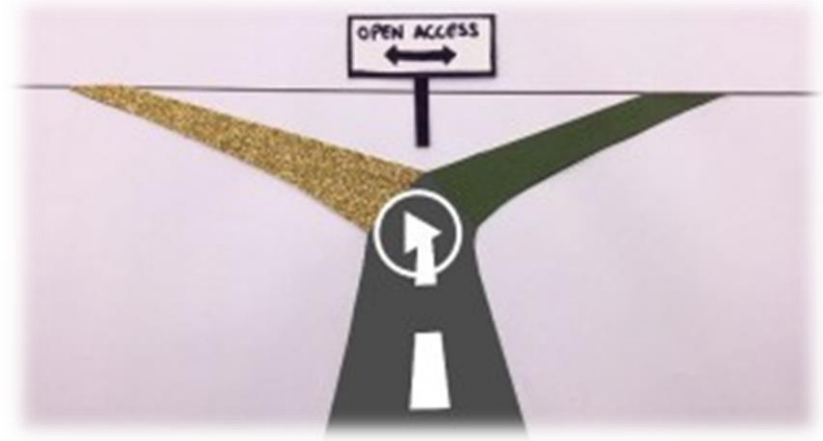


<https://www.universite-lyon.fr/plagiat>



08

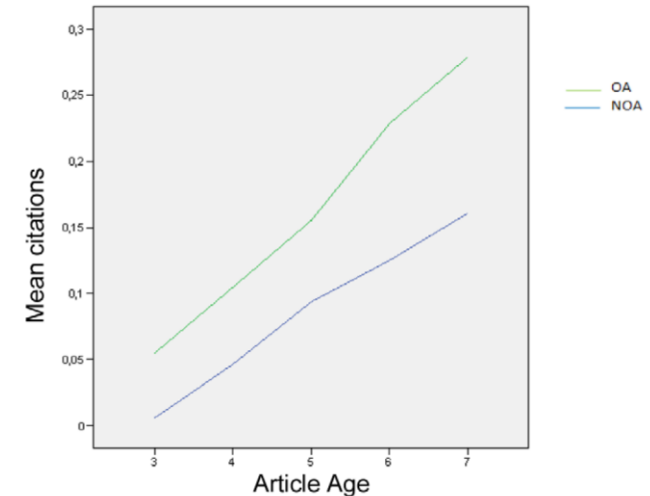
Open Science



<https://openarchiv.hypotheses.org/3443>

Open Science

- An open access article/book/manuscript is **more often downloaded, read and cited** (Gargouri et al. 2010 : <https://doi.org/10.1371/journal.pone.0013636>)
- It is also **better protected against plagiarism** because it is easily accessible by detection softwares
- They can easily be **integrated to job application proposal** (even before publication)
- Articles published in "classic" format (by subscription and not open access) are **copyrighted** by the publishers
 - They cannot be released until a **predefined embargo period** (available from **Sherpa-Romeo**: (<https://v2.sherpa.ac.uk/romeo/>))
- However « preprints » remain the **property of the authors**
 - Possibility **to deposit them and make them available**
 - Article 30 of the **Digital Republic Act**: maximum embargo of 6 months for STM (Sciences, Technics and Medicine)
- Doctorate Order of May 25th, 2016 (2022 Amendment):
 - « Under the responsibility of accredited institutions, the doctoral schools [...] **Raise awareness among PhD students of the challenges of open science and the dissemination of research work in society** to strengthen relations between scientists and citizens » (translated)



Gargouri et al. 2010,
<https://doi.org/10.1371/journal.pone.0013636>



Open Science

- OS platform:
 - **Public, non-profit: HAL...**
- Social networks that may host documents:
 - Private, usually for-profit: ResearchGate
 - The latter are particularly unpopular among publishers!
- The notion of Open Science also applies to **data**: <https://www.ouvrirlascience.fr/recherche-data-gouv-plateforme-nationale-federee-des-donnees-de-la-recherche/>
- Except in cases of force majeure, theses must be submitted on an open site
 - <https://theses.insa-lyon.fr/>
 - <https://theses.hal.science/INSA-LYON-THESES>



- OS roadmap voted on by the INSA Board of Directors: in 2024, **100% of PhD students starting a defense procedure have an IdHAL, with their publications on the platform.**
- INSA is strongly involved in Open Science:
 - <https://www.insa-lyon.fr/fr/actualites/trois-cles-pour-comprendre-science-ouverte>
 - Open Science Guide: <https://www.insa-lyon.fr/fr/actualites/groupe-insa-publie-son-guide-science-ouverte>



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30/01/2024

