



Département  
de Physique  
École normale  
supérieure



# Lab internship 2021-2022

J-F Allemand

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## Different goals

- Short term : **30 ECTS** (1/2 of M1 even if not crucial for M2)
- Mid term : **Test a research field**
- Long term : have a real experience in a lab and know how to choose a PhD research group (quite often a [publication](https://www.phys.ens.fr/spip.php?article1883) (<https://www.phys.ens.fr/spip.php?article1883>)), how to manage administrative and human problems/ but with some help



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# What you have to do

- A full semester in a lab ( or company R&D)
- **Outside France** if in France in the past (except health or financial problems). Outside France does not mean far.
- If Outside EU...plan B because of COVID!
- *“Seuls les départs en stage à l'étranger dans les pays en zone verte ainsi que, **pour les étudiants vaccinés**, dans les pays en zone orange, sont autorisés ; «* : <https://www.interieur.gouv.fr/Actualites/L-actu-du-Ministere/Attestation-de-deplacement-et-de-voyage> .
- **In France (Paris)** for **foreign students** or if in a company. PSL better for PSL funded students.
- You are quite free (no specific lists (some proposals on web page)...so need to take initiatives). Criteria depend on you.
- Do not confirm with a supervisor without my agreement



# The work evaluation

- Behavior in the lab (contact with supervisors)
- A written report on your lab work (20 pages max, format of an article, Latex preferred)
- An oral defense in the beginning of September (20 minutes me+ expert)
- Be careful : no real second session!
- [Do not forget to apply for M2 during this time](#)



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# Administrative requirements

- My agreement before any formal decision  
([jean-francois.allemand@ens.psl.eu](mailto:jean-francois.allemand@ens.psl.eu))
- « Convention de stage » (internship agreement).
- « Ordre de mission » if not in ENS : mandatory to get some small financial help from physics department. Need to bring some proofs of your internship
- See with [julie.loussier@ens.fr](mailto:julie.loussier@ens.fr)
- Visa if necessary (can be long and problematic, depends on the lab, the country...)
- Money : AMIE, ERASMUS, internships stipends in France.
- Some US universities are giving problems (they ask you to pay the fees...don't!). Partnership : Princeton in biophysics.
- In particular this year : **Personnal health insurance**



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## To help you :

- Tutor
- Me, Adel Bilal, Kris Van Houcke, Frédéric Chevy, Lydéric Bocquet, Giulio Biroli ...any professor, any researcher in the Physics department...
- Can be linked to the library based project
- Internships [web page](#) to see former internships
- Defenses in September so potentially nice holidays places
- Warning : finding process may take some time.
- Send informative and short emails to apply
- **Always be polite!**

## Most of the time : lot of fun, but...If serious problems :

« Si pendant son stage à l'étranger (eg, en M1S2), un étudiant présente des difficultés (médicales, sécurité, etc.) et que la situation nécessite un rapatriement, ce/cette dernier(e) doit contacter *au plus vite et simultanément* :

- - la direction des études de **département**
- **Me**
- - le service des admissions et des études, **SAE** ([sae@ens.fr](mailto:sae@ens.fr))
- - la Direction Générale des Services, **DGS** (Myriam FADEL: [myriam.fadel@ens.fr](mailto:myriam.fadel@ens.fr))
- - la Direction des études, **DRE** ([direction.etudes@ens.fr](mailto:direction.etudes@ens.fr)).