

FIRST YEAR STUDENT INTERNSHIP: GUIDELINES FOR M1 PROJECTS

The **Integrative Biology and Physiology (BIP)** master program at Sorbonne University encourages the students to go abroad for their 2-4-month internship to discover the world of research in different international settings. *Please note that for several students, this will be their first professional laboratory experience.*

The master program “Integrative Biology and Physiology” aims to educate high-level specialists in integrative biology. The program trains students to understand the mechanisms that underlie physiological and pathological phenomena in cells, tissues and organs in both animals and humans. Beyond scientific knowledge, the program promotes the acquisition of transversal skills, conceptual and methodological, essential for professional development. The master program has 6 specialties: Physiology-Pathophysiology, Neurosciences, Biology of Aging, Marine Biology and Bioresources, Nutrition and Systems Biology. The program is organized in a way that favors gradual orientation of the students towards a specialty. Practical laboratory training includes classical biochemistry and cellular biology methods (western-blot, real-time PCR, immunofluorescence, etc...) as well as specific experimental approaches for neurosciences and the study of inflammation.

These guidelines describe obligations of the student and the host laboratory:

- **The student commits to:**
 - Perform bibliographic research
 - Establish and follow experimental protocols
 - Accomplish all necessary tasks in relation to his project seriously and rigorously
 - Respect the rules of the laboratory including local working hours
 - Participate in lab meetings and present his work/results to his supervisor and team members.

- **Expectations for the student:**
 - Gain scientific experience and improve their technical skills
 - Autonomy in establishing and following experimental protocols
 - Critical thinking when analyzing and presenting scientific results
 - Proposing backup solutions when faced with difficulties
 - Adapt to the host lab and demonstrate that he/she can be a team worker.

- **Host lab responsibilities:**
 - The host lab provides the necessary equipment and work space.
 - The supervisor provides technical and theoretical assistance to the student (a PhD, or a Post-Doc can be the direct supervisor for a first-year master student).

- **Internship Evaluation upon return:**
- Poster presentation in front of a master committee.

This assessment **will be scored** based on the capacity of the students to explain:

- the **aims** of the project in the context of what is known in the field and in relation to the orientation of the host laboratory.
- their **results**, potential technical problems faced and the proposed solutions.

Date:

The student: (Name, signature)

The supervisor: (Name, signature)

The team leader: (Name, signature)

In the event of any problem or conflict between the laboratory and the student, please do not hesitate to contact Pr Sonia Karabina who is the mobility coordinator for the program.

Contacts

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