### Lab immersion III

#### Summary

The student will engage in a laboratory-based project in the field of molecular medicine, neuroscience or bioengineering. Student projects will emphasize acquisition of practical skills in experimentation and data analysis.

#### Content

A typical project will involve "hands-on" wetlab experimentation and data analysis, although theoretical and computationally-oriented projects are also possible. The projects are available on the web sites of SV laboratories or discussed directly with a potential head of lab. The students are confronted with the realization of a laboratory-based project integrating specific aspects of molecular medicine or neuroscience. This project will allow them to apply, to concrete problems, skills of domain and transversal skills acquired during their studies.

#### Learning Prerequisites

- **Required courses**
  - Bachelor in Life Sciences and Technology

#### Expected student activities

Students will focus on hands-on experimentation, which may be wetlab-based or computer-based, depending on the project. Students will read and discuss assigned papers from the original scientific literature. As part of the evaluation process, students may be required to submit a written report or to give an oral presentation that summarizes and interprets their results.

25H/semaine de travail (y compris rédaction du rapport) pendant 14 semaines ou 8 semaines à 100% (42h/semaine).

Peut être pris durant les vacances d’été ou au semestre d’automne

#### Assessment methods

Continuous control

The mode of evaluation must be clearly defined and agreed between the student and the project mentor in advance. Typically the mode of evaluation will include a written report and/or an oral presentation prepared and delivered by the student.

#### Supervision
Others

Typically, the student will be matched with a secondary mentor (this will usually be a senior PhD student or a Postdoctoral Fellow) who will take responsibility for the day-to-day supervision and training of the student.

Resources

Bibliography

Appropriate reading materials will be assigned by the student's mentor depending on the nature of the research project. The assigned reading material will usually comprise original research papers, review articles, and secondary sources (e.g., books).