

# First year of the Master degree of Bioinformatics

## Bioinformatics, statistical modeling for Life sciences and Health (BIMS)

### Proposal for a student internship – 4 to 5 <sup>1/2</sup> months

To be send from september to december preceeding the intership

- ✓ **Mandatory Internship:** 18 ECTS (evaluation by the supervisor + report writing, + defense)
- ✓ **Duration :** 4 months minimum
- ✓ **Period:** from mi-march to mi-july, defense at the end of June. Videoconferencing can be used for the Defense from abroad.
- ✓ **Internship with a mandatory agreement** (english or french form)

**Editable version on request**

## Laboratory

Site – Location:

Affiliated institution:

Name of the laboratory and team:

**Daily main supervisor:** a bioinformatician is required, and should be the main expertise of the supervisor

- Name and Position:
- Address (e-mail, telephone number):
- Expertise in (to tick):
  - bioinformatics  biostatistics  computer science  mathematics  biology

**Supplementary supervisor(s) involved?**

- Name and Position:
- Address (e-mail, telephone number):
- Expertise in (to tick):
  - bioinformatics  biostatistics  computer science  mathematics  biology

## Internship description

Title:

Scientific context and summary of the internship project:

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## Key Words:

**Data types, methods and tools to be used during the internship:** to tick and precise if already known  
(Mandatory features are pre-ticked )

### Data

- Omics data:
- Semantics data:
- Structural data:
- Other data:

### Computer Science

- Languages for programming:
- Information system design and development (database):
- Web technologies:
- Algorithms:
- Other:

### Biostatistics and mathematics

- Statistics for data mining:
- Mathematical modeling and systems biology, network or interaction:
- Languages for biostatistics or mathematical programming:
- Other:

### Bioinformatics

- Pipelines or new tool development:
- Benchmarking of tools:
- Specific resources (databases, tools, programs, algorithms) for the project:
- Other:

### Others

- Computational Resources (personal, server, data center, cloud, etc.):
- Quality management:
-

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« Wet » experimental approaches: none

### Others

*Only for a no French laboratory*

Conditions of gratification (laboratory budget/ERASMUS / other grant):

*Only for a French laboratory*

**Ce stage est-il susceptible de faire l'objet d'un accord de confidentialité ?**

- oui (pensez à nous fournir votre modèle d'accord)
- non

**Ce stage est-il susceptible d'être prolongé en M2 par un contrat de travail en alternance de 2 ans ?**

- oui (pensez à nous contacter dès maintenant pour les démarches de financement)
- non (pourriez-vous en donner la(les) raison(s) ?) :

*To be send beetwen september and december preceeding the intership to:*

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