



## Présentation

[Consulter la page du master 2 sur le site de l'Université Paris-Saclay](#)

## Programme

### Semestre 3

#### Elective Modules 12.5 ECTS

- Choix 4	
5 option(s) au choix parmi 11	
- Network Systems : Modeling and Analysis	2.5 ECTS
- Statistical Analysis of Large Scale Gene Expression Data	2.5 ECTS
- Cell Factory Design	2.5 ECTS
- Environmental Biotech and Upstream Processing	2.5 ECTS
- Computational Inference and Modeling of Biological Networks	2.5 ECTS
- Industrial Biotech and Downstream	2.5 ECTS
- Chips for Molecular Evolution	2.5 ECTS
- Computational Protein Design	2.5 ECTS
- Design of Experiments and Machine Learning in Synthetic	2.5 ECTS
- Nanobiology	2.5 ECTS
- Rational Protein Engineering	2.5 ECTS
- Choix 1	
5 option(s) au choix parmi 11	
- Network Systems : Modeling and Analysis	2.5 ECTS
- Statistical Analysis of Large Scale Gene Expression Data	2.5 ECTS
- Cell Factory Design	2.5 ECTS
- Environmental Biotech and Upstream Processing	2.5 ECTS
- Computational Inference and Modeling of Biological Networks	2.5 ECTS
- Industrial Biotech and Downstream	2.5 ECTS
- Chips for Molecular Evolution	2.5 ECTS
- Computational Protein Design	2.5 ECTS
- Design of Experiments and Machine Learning in Synthetic	2.5 ECTS
- Nanobiology	2.5 ECTS
- Rational Protein Engineering	2.5 ECTS
- Choix 3	
5 option(s) au choix parmi 11	
- Network Systems : Modeling and Analysis	2.5 ECTS
- Statistical Analysis of Large Scale Gene Expression Data	2.5 ECTS
- Cell Factory Design	2.5 ECTS

- Environmental Biotech and Upstream Processing	2.5 ECTS
- Computational Inference and Modeling of Biological Networks	2.5 ECTS
- Industrial Biotech and Downstream	2.5 ECTS
- Chips for Molecular Evolution	2.5 ECTS
- Computational Protein Design	2.5 ECTS
- Design of Experiments and Machine Learning in Synthetic	2.5 ECTS
- Nanobiology	2.5 ECTS
- Rational Protein Engineering	2.5 ECTS
- Choix 5	

5 option(s) au choix parmi 11	
- Network Systems : Modeling and Analysis	2.5 ECTS
- Statistical Analysis of Large Scale Gene Expression Data	2.5 ECTS
- Cell Factory Design	2.5 ECTS
- Environmental Biotech and Upstream Processing	2.5 ECTS
- Computational Inference and Modeling of Biological Networks	2.5 ECTS
- Industrial Biotech and Downstream	2.5 ECTS
- Chips for Molecular Evolution	2.5 ECTS
- Computational Protein Design	2.5 ECTS
- Design of Experiments and Machine Learning in Synthetic	2.5 ECTS
- Nanobiology	2.5 ECTS
- Rational Protein Engineering	2.5 ECTS
- Choix 2	

5 option(s) au choix parmi 11	
- Network Systems : Modeling and Analysis	2.5 ECTS
- Statistical Analysis of Large Scale Gene Expression Data	2.5 ECTS
- Cell Factory Design	2.5 ECTS
- Environmental Biotech and Upstream Processing	2.5 ECTS
- Computational Inference and Modeling of Biological Networks	2.5 ECTS
- Industrial Biotech and Downstream	2.5 ECTS
- Chips for Molecular Evolution	2.5 ECTS
- Computational Protein Design	2.5 ECTS
- Design of Experiments and Machine Learning in Synthetic	2.5 ECTS
- Nanobiology	2.5 ECTS
- Rational Protein Engineering	2.5 ECTS

<b>Core Modules</b>	17.5 ECTS
- Metabolic Engineering	3.5 ECTS
- Biosafety.Sociological Questions on Synthetic Biology	2 ECTS
- Synthetic Biology Practical Course	5 ECTS
- Biological Parts and Devices	3.5 ECTS
- Genome Engineering	3.5 ECTS

<b>Refresher Courses</b>	
- Introduction to Biology	

## Semestre 4

---

<b>Research Internship</b>	30 ECTS
- Research Internship	30 ECTS

## Contacts

**Responsable** : Ioana Popescu ✉ [ioana.popescu@univ-evry.fr](mailto:ioana.popescu@univ-evry.fr)

**Scolarité** : Aurélie Dekoninck  
✉ [aurelie.dekoninck@univ-evry.fr](mailto:aurelie.dekoninck@univ-evry.fr) 01 64 85 34 13

Vous relevez de la FC si vous avez plus de 2 ans d'interruption d'études après votre parcours initial.

✉ [fc@univ-evry.fr](mailto:fc@univ-evry.fr) 01 69 47 71 01