

## Master of Science in Biology

### Molecular Plant Sciences (MPS)

#### Academic contacts :

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| Code  | Course   | ECTS | Semesters<br>A/P/AN |
|---|--|------|---------------------|
| <b>Mandatory</b> safety days ! Registration will take place in November for the autumn semester and in March for the spring semester. |  |      |                     |
| 14B012  | Scientific Writing and Communication ( <b>mandatory</b> )                  | 4    | A                   |
| 14B673  | <b>Pré-stage</b> equivalent to 320h (pre-internship)                       | 16   | P                   |
| <b>Core courses (6-17 ECTS)</b>   |  |      |                     |
| 14B672*   | Computer Skills for Biological Research                                    | 4    | A                   |
| 14F001  | Elements of Bioinformatics   | 5    | A                   |
| 14B063A*  | Microscopy and Imaging   | 3    | A                   |
| 14B057A (1)   | Statistics & Probability   | 3    | A                   |
| 14B951 (1)*   | Applied Statistics Practicum   | 2    | P                   |
| (1) At least one of the 2 statistics courses  |  |      |                     |
| <b>MPS Mandatory courses (16 ECTS)</b>  |  |      |                     |
| 14B023  | Milestones in plant Molecular Genetics « <i>Selected Chapters</i> »        | 4    | AN                  |
| 14B045  | Introduction à la recherche en biologie moléculaire des végétaux           | 4    | AN                  |
| 14B035  | Molecular Plant Sciences – Basic Research - ( <b>alternately 14B037</b> )  | 4    | A                   |
| 14B037  | Molecular Plant Sciences – Applied Aspects - ( <b>alternately 14B035</b> ) | 4    | A                   |
| <b>MPS Elective courses (7-18 ECTS)</b>   |  |      |                     |
| 14B005  | Biodiversity: Origins and Evolution  | 3    | A                   |
| 14B007 *  | Biogeography   | 3    | P                   |
| 14B008 *  | Flora and Vegetation: mapping, analysis and indicators                     | 2    | P                   |
| 14B009 *  | Flora and Vegetation (stage)   | 3    | P                   |
| 14B044 *  | Electron Microscopy  | 4    | P                   |
| 14B640 *  | Histology and Tissue Imaging   | 3    | P                   |

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\*Pre-registration required with the course instructor. Please check the "programme des cours" website for registration details.

A = Automne, Autumn

P = Printemps, Spring / AN = Annuel, Annual

\* Lectures given in French