

## Master of Science in Biology

### Molecular Biosciences, Genetics, Development & Evolution (MBGDE)

#### Academic contacts :

Emi Nagoshi (pas) – Emi.Nagoshi@unige.ch - Dpt of Genetics & Evolution

Ramesh Pillai (po) – ramesh.pillai@unige.ch - Dpt of Molecular & Cellular Biology

Code	Course	ECTS	Semesters 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

#### Core courses (6-17 ECTS)

14B672 *	Computer Skills for Biological Research	4	February
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			

#### MBGDE Mandatory courses (17 ECTS)

14B010	Principles of Cellular and Molecular Biology	8	AN
14B017	Master course in Genetics, Development and Evolution	9	AN

#### MBGDE Elective courses (6-17 ECTS)

13B013 *	Le système immunitaire	6	AN
14B024 *	Understanding Biological Complexity and Diversity	6	P
14B038 *	Molecular Genetics in Development and Evolution « <b>Selected Chapters</b> »	4	AN
14B044*	Electron Microscopy (9 days of March)	4	P
14B640 *	Histology and Tissue Imaging (40h début juillet)	3	P
14C001	Biochemistry and Biophysics of Membranes	8	P
14C003A/03P*	Eléments d'endocrinologie moléculaire	6	AN
14CB01	Current Topics in Chemical Biology and Biochemistry	8	A
2230305 *	La génétique dans la pratique médicale au quotidien : du laboratoire au chevet du patient	3	A
24N01	Principles of Neurobiology I	6	A

60

\*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