

# M Sc Molecular Life Sciences

## Special qualification **Plant Physiology**

### Program for spring semester

Please always check CTS (KSL) for details and actual dates!

<b>KSL Nr.</b>	<b>Eligible for special qualification module PP (or for general module)</b>	<b>ECTS</b>
2228	Plant metabolism, lectures: Thu 10-12, practicals: Thu 13-17 (every two weeks). * Every second year (even years), IPS Prof. D. Rentsch, C. Robert	5
11400	Block course C: Molecular Plant Physiology. Inscription required * Prof. D. Rentsch	5
452662	Solving Current Challenges in Plant-Herbivore Interactions, module 2b, Tue 10-12 and block, IPS Prof. C. Robert	5
487321	Plant-microbe interactions, Tue 13-15 (week 1-8), IPS Prof. C. Robert	2
487322	Anatomy and Biophysics of Plant-Atmosphere Gas Exchange, see KSL for details, IPS Prof. M. Raissig	5
487323	Gene regulation in plant biology, Mon 14-16 (week 1-6), IPS Dr. R. Reis	2
<b>KSL Nr.</b>	<b>Eligible for general module only</b>	<b>ECTS</b>
2221	Colloquium on host-pathogen interactions, Fri 16.30-18.30, monthly (year course, begin either in fall or spring), ICB Prof. C. Faso et al.	4
2226	Membrane biochemistry, Wed 16-18, IBMM PD Dr. M. Lochner et al.	3
2806	Molecular Parasitology, Fri 11-13, ICB Prof. C. Faso et al.	3
2803	Clinical microbiology of animal and zoonotic infectious agents. B. Viruses, Mon 13-15, Vetsuisse Prof. M. Schweizer et al.	3
3051	Molecular virology, Tue 16-18, DCBP PD Dr. C. Ros	1.5
3456	Advanced medicinal chemistry - from target to drug, Fri 10-12, DCBP PD Dr. J. Hunziker	1.5
3457	Nucleic acid analogues, DCBP, see CTS for schedule PD Dr. M. Hollenstein	1.5
10451	Colloquium in Plant Transport Physiology, Mon 11-12.30, IPS Prof. D. Rentsch	1.5
10598	Seminar in molecular plant physiology, Tue 14-16, IPS Prof. D. Rentsch	2
415819	Cell and gene therapy, Wed 14-16, ICB PD Dr. A. Marti	1.5
464918	Numerical Analysis of High Dimensional Data: From Simple Statistics to Multifactorial Data Integration, Mon 15-17, IFIK PD Dr. Alban Ramette	3
468463	Enzymes in Catalysis, various weekdays, DCBP Prof. F. Paradisi	1.5
468464	Drug Delivery and Drug Targeting, Thu 15-17, week 1-7, DCBP Prof. P. Luciani, Dr. S. Aleandri	1.5
476763	Pasteur to today: managing biorisks and the broad spectrum of biosafety and biosecurity, Wed 16-18, IPS Dr. K. Summermatter, Prof. D. Rentsch et al.	3

The special qualification module (**SPQ-PP**) must comprise 15 ECTS points from the learning units shown in boldface.

For the general module (**GEN**), additional credits can be accumulated from master courses of all five specialisations. This module may also contain up to 10 ECTS points in learning units from the BSc programs in Biology, Biochemistry and Molecular Biology, or Chemistry and Molecular Sciences. If a learning unit is not already programmed in KSL, students should ask the head of studies for approval. On request, learning units from outside institutions and other programs (e.g., UniFR or the Swiss Institute for Bioinformatics) may also be included.

The total number of credits of both modules must be at least 30 ECTS points.

Additionally, while the students are enrolled in the program, they must follow two hours per week of **seminar series of the respective institute** according to recommendations made by the prospective MSc supervisor.

\* Please note that space restrictions may apply to lab courses.