

Courses recommended for PhD students within the NCCR AntiResist consortium

Field	Offering institution	Description	Link	Comment
Biology	University of Basel, Biozentrum BZ	Graduate Teaching Program – Cycle A The Graduate Teaching Program enables you to expand and broaden your theoretical knowledge and practical skills and is organized in collaboration with scientists from the Friedrich Miescher Institute (FMI), the Department of Biosystems Science and Engineering (D-BSSE) of the ETH Zurich, the Department of Biomedicine (DBM), and the Swiss Tropical and Public Health Institute (SwissTPH).	Graduate Teaching Program - Cycle A	Courses offered in the spring and fall semester
Biology	University of Basel, Biozentrum BZ	Graduate Teaching Program – Cycle D The Graduate Teaching Program enables you to expand and broaden your theoretical knowledge and practical skills and is organized in collaboration with scientists from the Friedrich Miescher Institute (FMI), the Department of Biosystems Science and Engineering (D-BSSE) of the ETH Zurich, the Department of Biomedicine (DBM), and the Swiss Tropical and Public Health Institute (SwissTPH).	Graduate Teaching Program - Cycle D	Courses offered in the spring and fall semester
Biology	University of Basel, Biozentrum BZ	Academic Writing and Publishing in the Life Sciences	64388-01 - Seminar: Academic Writing and Publishing in the Life Sciences 2 CP	Offered in the spring semester The number of participants is limited – please contact phd-biozentrum@unibas.ch to enquire about open places

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Biology	EPF Lausanne, School of Life Sciences	Microbiology – BIO-372 This course will provide an introduction to fundamental concepts in microbiology. Special emphasis will be given to the surprising and often counter-intuitive physical world inhabited by microorganisms.	Microbiology – BIO-372	Offered in the spring semester
Biology	ETH Zurich, Department of Biosystems Science and Engineering D-BSSE	636-0112-00L Analytical Methods and Lab-on-Chip Technology for Biology and Molecular Diagnostics Analytical methods are the key for a comprehensive understanding of biological systems. This course introduces into modern bioanalytical concepts and methods that are applied in the life sciences. The lecture includes discussions of highly topical studies.	636-0112-00L Analytical Methods and Lab-on-Chip Technology for Biology and Molecular Diagnostics	Offered in the spring semester
Biology	ETH Zurich, Department of Biology D-BIOL	551-0324-00L Systems Biology Introduction to experimental and computational methods of systems biology. By using baker's yeast as a thread through the series, we focus on global methods for analysis of and interference with biological functions. Illustrative applications to other organisms will highlight medical and biotechnological aspects.	551-0324-00L Systems Biology	Offered in the spring semester
Clinics	University of Basel, Department of Biomedicine DBM	67319-01 - Lecture: Advanced Immunology of Infection	67319-01 - Lecture: Advanced Immunology of Infection	Offered in the spring semester

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Clinics	University of Basel, Department of Biomedicine DBM	Themenblock Blut / Infektionen / Abwehr Das Ziel des Themenblockes ist es ein Grundwissen über Infektionen sowie über maligne und nicht maligne Bluterkrankungen zu vermitteln. Es werden jeweils Kenntnisse über Pathophysiologie, Klinik, Diagnostik und therapeutische Prinzipien vertieft.	Themenblock Blut / Infektionen / Abwehr https://medizinstudium.unibas.ch/de/studium/master/1-jahr/themenbloecke/	Offered in the spring semester Please check with the lecturer before registering for the course
Engineering	ETH Zurich, Department of Biosystems Science and Engineering D-BSSE	636-0114-00L Microsensors and Microsystems Students are introduced to microsensor and microsystem technology. The students will get to know the different materials (silicon, glass, plastics) and the respective micromachining and fabrication techniques. They will become acquainted with the fundamentals of the different transducers including mechanical, thermal, magnetic, chemical, optical, and biosensors. They also will get to know strategies to integrate components into microsystems.	636-0114-00L Microsensors and Microsystems	Offered in the spring semester
Engineering	ETH Zurich, Department of Biosystems Science and Engineering D-BSSE	636-0022-00L Design of Experiments Students will learn about the statistical basics of designing and analyzing experiments with multiple qualitative and/or quantitative variables. Students will be able to construct designs for efficiently identifying important influence factors in their experiments, use sequential designs for optimizing experimental conditions, and correctly handle analyses with nested sampling or involving multiple comparisons.	636-0022-00L Design of Experiments	Offered in the spring semester

There are also internal training courses available on-site and online offered by the universities, to develop your skills in a wide range of disciplines.

General	University of Basel	“On this page, you can find all the courses offered by the University of Basel for its staff, with many available for students. You can register online, if you wish. Please find the admission rules in the details of the specific course.”	Training & Development	
General	EPFL Lausanne	“The Learning & Development (L&D) team within Human Resources is pleased to offer a wide choice of training courses in line with the strategic directions of EPFL. We support you if you have training needs outside the catalog or for your language course requests.”	Internal Training	
IT Training	ETH Zurich	Compicampus - IT courses for students	Compicampus	
General	UZH	The UZH Course Catalogue offers some additional courses for students	Course Catalogue	
General	UNIL	“Develop your skills and contribute to the "savoir vivant"”	Courses for Staff and Students	