

SUMMER COURSE IN IMMUNOLOGY AUGUST 30 – SEPTEMBER 2, 2021

Monday, August 30 Lectures		Tuesday, August 31 Lectures, Thematic discussion		Wednesday, September 1 Thematic discussion		Thursday, September 2 Thematic discussion	
08:15-09:00	Introduction and overview Fabienne Tacchini-Cottier Werner Held	08:15-09:00	Preparation time	08:15-09:00	Preparation time	08:15-09:00	Preparation time
09:00-09:45	Innate Immunity Petr Broz	09:00-09:45	Immune regulation Nicole Joller	09:00-09:45	Commenasalims S. Leibundgut, FTC	09:00-09:45	Tumor Immune response Mikaël Pittet
	Myeloid cells Etienne Meylan	10:00-10:45	T cell development Carolyn King	10:00-10:45	Group 3	10:00-10:45	Group 7
11:00-11:15	Coffee break	11:00-11:15	Coffee break	11:00-11:15	Coffee break	11:00-11:15	Coffee break
11:15-12:00	Dendritic cells Roxane Tussiwand	11:15-12:00	B cell responses Antonio Lanzavecchia	11:15-12:00	Group 4	11:15-12:00	Group 8
12:15-13:00	Research seminar Roxane Tussiwand	12:15-13:00	Research seminar Antonio Lanzavecchia	12:15-13:00	Research seminar Salomé Leibundgut	12:15-13:00	Research seminar Anette Oxenius
13:00-14:00	Lunch break	13:00-14:00	Lunch break	13:00-14:00	Lunch break	13:00-14:00	Lunch break
14:00-14:45	Antigen processing/presentation Stephanie Hughes	14:00-14:45	Vaccines Daniel Pinschewer	14:00-14:45	Immunometabolomics Ping-Chih Ho	14:00-14:45	Viral infection Anette Oxenius
15:00-15:45	CD4/CD8 T cells responses Grégory Verdeil	15:00-15:45	Group 1	15:00-15:45	Group 5	15:00-15:45	Group 9
15:45-16:00	Coffee break	15:45-16:00	Coffee break	15:45-16:00	Coffee break	15:45-16:00	Coffee break
16:00-18:00	Preparation time FTC, WH	16:00-18:00	Group 2	16:00-18:00	Group 6	16:00-18:00	Group 10

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Affiliations of the Organisers and Lecturers (and abbreviations)

Organisers

Fabienne Tacchini-Cottier (abbreviated to FTC), Department of Biochemistry, UNIL, and WHO-IRTC

Werner Held (abbreviated to WH), Department of Fundamental Oncology, UNIL

Lecturers (in order as listed in the programme)

Petr Broz, Department of Biochemistry, UNIL

Etienne Meylan, Lung Cancer Research Laboratory, EPFL

Roxane Tussiwand, Immune Regulation, NIDCR/NIH

Stéphanie Hugues, Department of Pathology and Immunology, UNIGE

Gregory Verdeil, Department of Fundamental Oncology, UNIL

Nicole Joller, Institute of Experimental Immunology, University of Zürich

Carolyn King, Department of Biomedicine, UNIBAS

Antonio Lanzavecchia, Institute of Microbiology, ETH Zürich

Daniel Pinschewer, Department of Biomedicine, UNIBAS

Salomé Leibundgut-Landmann, Institute of Virology, University of Zürich

Ping Chih-Ho, Department of Fundamental Oncology, UNIL

Mikaël Pittet, Department of Pathology and Immunology, UNIGE

Annette Oxenius, Institute of Microbiology, ETH Zürich

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Course description

This is an intensive, **4 day course in immunology** intended for PhD and MD/PhD and advanced MD students, who wish to expand and update their understanding of the immune system and its role in health and disease. Attendees require to have a basic understanding of immunology. To improve this, attendees will have access to a web based immunology online course (the link will be given once registration to the course is confirmed) and are strongly encouraged to use it prior the beginning of the course. We also expect students to take the associated immunology quiz before the beginning to the course (mandatory).

The course includes lectures in basic immunology, 3 research seminars and 5 specialised themes which form part of the practical work. The format of the practical part (Tuesday, Wednesday and Thursday) is as follows: Each half-day practical course will start with a 30-45 minute general introduction into the field by the invited speaker. This will be followed by a detailed discussion of 2 research papers proposed by the invited speaker. Each student will be part of a group of 3 students that presents one research (20 min power point presentation), whereby each student has to present a part of the paper. This will be followed by a thorough discussion. All students have to be familiar with all research papers and are expected to actively participate in the discussion. To ensure a well-informed discussion each student has to submit at least one written question for each research paper. These questions will be collected prior to the course and issues raised will be addressed.

→ Attendance of all lectures and the practicals are mandatory. A sign-up sheet will be circulated each day; it is the student's responsibility to ensure that they sign it as proof of attendance. In case of absence, students have to notify the organizers in advance.

→ Lectures and discussions are in English and are held at the Center for Immunity and Infection Lausanne (CIIL), Epalinges in Room B301 (at the main entrance of the Centre de Laboratoires de Epalinges, see map on page 4 of this document)

Number of credits: 2.5 ECTS (among these 2 are tutorials) and 2 days of continuous education credits for animal experimentation. A maximum of 30 participants will be accepted, on a first come basis, with priority to UNIL, EPFL and UNIGE students. **Please check the number of ECTS with your specific PhD programme if you are not a PhD student at the FBM, UNIL!**



Reception and room B301 are found at the entrance of building B (circled in red).

Building B is a 3 minute walk from the Metro stop “Croisettes” (circled in black).

Take the metro “M2” from Lausanne train station, (entry next to the McDonalds) direction “Croisettes” (last stop). This journey takes 15 minutes.