

14. SUMMER COURSE IN IMMUNOLOGY, AUGUST 26 – 29, 2024

Monday, August 26 Lectures		Tuesday, August 2, Lectures, Thematic discussion		Wednesday, August 28 Thematic discussion		Thursday, August 29 Thematic discussion	
08:15-09:00	Introduction and overview Fabio Martinon, 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 sensing Petr Broz, UNIL	09:00-09:45	Single cell and spatial transcriptomics Caroline Ospelt, USZ	09:00-09:45	TLR discovery Bruno Lemaitre	09:00-09:45	Tumor Immunology Félix Bayerl, UNIGE
10:00-10:45	Myeloid cells Thierry Roger, CHUV	10:00-10:45	NK cells Thierry Walzer, CIRI, Lyon	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	TBA	11:15-12:00	Immune regulation Nicole Joller, UZH	11:15-12:00	Group 4	11:15-12:00	Group 8
12:15-13:00	Research seminar TBA	12:15-13:00	Research seminar Thierry Walzer, CIRI, Lyon	12:15-13:00	Research seminar Bruno Lemaitre, EPFL	12:15-13:00	Research seminar Mikaël Pittet, UNIGE
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	Stromal cells Sanjiv Luther, UNIL	14:00-14:45	Immunometabolomics Ping-Chih Ho, UNIL	14:00-14:45	Vaccines Daniel Pinschewer, UNIBA	14:00-14:45	Microbiota Simone Becattini, UNIGE
15:00-15:45	CD4/CD8 T cell responses Grégory Verdeil, UNIL	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-	Preparation time	16:00-16:45	Group 2	16:00-16:45	Group 6	16:00-16:45	Group 10

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Affiliations of the Organizers and Lecturers (and abbreviations)

Organizers

Werner Held, Department of Fundamental Oncology, UNIL

Fabio Martinon, Department of Immunobiology UNIL

Lecturers (in order as listed in the programme)

Petr Broz, Department of Immunobiology, UNIL

Thierry Roger, Department of Infectious Diseases, CHUV

Sanjiv Luther, Department of Immunobiology, UNIL

Gregory Verdeil, Department of Fundamental Oncology, UNIL

Caroline Ospelt, Department of Rheumatology, USZ

Thierry Walzer, International Center for Infectious Disease Research, Lyon FR

Nicole Joller, Institute of Experimental Immunology, University of Zürich

Ping Chih-Ho, Department of Fundamental Oncology, UNIL

Bruno Lemaitre, EPFL

Daniel Pinschewer, Department of Biomedicine, UNIBAS

Félix Bayerl, Departement of Pathology and Immunology, UNINGE

Mikaël Pittet, Department of Pathology and Immunology, UNIGE

Simone Becattini, Departement of Pathology and Immunology, UNINGE

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Course description

This is an intensive, **4 days 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.

The course includes lectures in basic immunology, 3 research seminars and 5 specialized 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 minutes 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 d'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 program if you are not a PhD student at the FBM, UNIL!



Reception and room B301 are found at the entrance of building B

Building B is a 5 minutes walk from the Metro stop "Croisettes"

Take the metro "M2" from Lausanne train station, direction "Croisettes" (last stop). This journey takes 20 minutes.