

SUMMER COURSE IN IMMUNOLOGY AUGUST 24-27, 2020

Monday August 24 Lectures		Tuesday August 25 Lectures, Thematic discussion and Group presentations		Wednesday August 26 Thematic discussion and Group presentations		Thursday August 27 Thematic discussion and Group presentations	
08:45-09:00	Introduction and overview Fabienne Tacchini-Cottier Werner Held	09:00-09:45	Innate Lymphocytes Camilla Jandus	09:00-09:45	Microbiota Andrew MacPherson	09:00-09:45	Parasite Immunology Andreas Muller
09:00-09:45	Innate Immunity Petr Broz	10:00-10:45	Immuometabolomics Ping-Chih Ho	10:00-10:45	Group 3 participants A.MacPherson FTC, WH	10:00-10:45	Group 7 participants A.Muller , FTC, WH
10:00-10:45	Antigen processing and presentation Stephanie Hugues	10:45-11:00	Coffee break	10:45-11:00	Coffee break	10:45-11:00	Coffee break
10:45-11:00	Coffee break	11:00-11:45	Autoimmunity Doron Merkler	11:00-11:45	Group 4 participants A.MacPherson FTC, WH	11:00-11:45	Group 8 participants A.Muller FTC, WH
11:00-11:45	T cell responses (CD4 + CD8) Carolyn King	12:15-13:00	Public research seminar Doron Merkler	12:15-13:00	Public research seminar Andrew MacPherson	12:15-13:00	Public research seminar Andreas Muller
12:15-13:00	Public research seminar Carolyn King	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	Vaccines Daniel Pinschewer	14:00-14:45	Tumour Immunology Gregory Verdeil	14:00-14:45	Clinical Immunology Matthieu Perreau
14:00-14:45	T cell development Joost van Meerwijk	15:00-15:45	Group 1 participants D.Pinschewer, FTC, WH	15:00-15:45	Group 5 participants G.Verdeil, FTC, WH	15:00-15:45	Group 9 participants M. Perreau, FTC, WH
15:00-15:45	Central and peripheral T cell tolerance Joost van Meerwijk	15:45-16:00	Coffee break	15:45-16:00	Coffee break	15:45-16:00	Coffee break
15:45-16:00	Coffee break	16:00-16:45	Group 2 participants D.Pinschewer, FTC, WH	16:00-16:45	Group 6 participants G.Verdeil, FTC, WH	16:00-16:45	Group 10 participants M. Perreau, FTC, WH
16:00-18:00	Introduction to group work FTC, WH	17:00-18:00	Group projects Group participants	17:00-18:00	Group projects Group participants	17:00-18:00	Final discussion FTC, WH

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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

Stéphanie Hugues, Department of Pathology and Immunology, UNIGE

Carolyn King, Department of Biomedicine, UNIBAS

Joost van Meerwijk, Center for Pathophysiology, University of Toulouse

Camilla Jandus-Marone, Department of Fundamental Oncology, UNIL

Ping Chih-Ho, Department of Fundamental Oncology, UNIL

Doron Merkler, Department of Pathology and Immunology, UNIGE

Daniel Pinschewer, Department of Biomedicine, UNIBAS

Andrew MacPherson, Department for Biomedical Research, UNIBE

Gregory Verdeil, Department of Fundamental Oncology, UNIL

Andreas Muller, Institute for Molecular and Clinical Immunology, University of Magdeburg

Matthieu Perreau, Immunology and Allergy Service, CHUV

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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.