

SUMMER COURSE IN IMMUNOLOGY AUGUST 26-29 2019

Monday August 26 Lectures		Tuesday August 27 Lectures		Wednesday August 28 Thematic discussion and Group presentations		Thursday August 29 Thematic discussion and Group presentations	
09:00-09:15	Introduction and overview Fabienne Tacchini-Cottier Werner Held	09:00-09:45	Vaccine trial design and basics in vaccinology Ivana Knezevic	09:00-10:00	Microbiota in the immune response Andrew MacPherson	09:00-10:00	Vaccine Delivery Martin Bachmann
09:15-10:00	Immune recognition by TLR receptors Thierry Roger	10:00-10:45	Immune engineering Li Tang	10:00-10:45	Group 1 participants Andrew MacPherson FTC, WH	10:00-11:00	Group 6 participants Martin Bachmann FTC, WH
10:00-10:15	Coffee break	10:45-11:00	Coffee break	10:45-11:00	Coffee break	11:00-11:15	Coffee break
10:15-11:00	Innate lymphoid cells Camilla Jandus-Marone	11:00-12:00	The virus-host-interface in influenza A virus biology Mirco Schmolke	11:00-11:45	Group 2 participants Andrew MacPherson FTC, WH	11:15-12:00	Group 7 participants Martin Bachmann FTC, WH
11:15-12:00	Fungal immunity Salomé LeibundGut-Landmann	12:15-13:00	Public research seminar: Daniel Pinschewer	12:15-13:00	Public research seminar: Andrew MacPherson	12:15-13:00	Public research seminar: Martin Bachmann
12:00-14:00	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 against cancer Pedro Romero	14:00-15:00	T-B cell interactions during viral infection Daniel Pinschewer	14:00-15:00	Innate immune response Petr Broz	14:00-15:00	Immune cells and metabolism Ping-Chih Ho
15:00-15:45	Visualizing the immune response Jens Stein	15:15-16:00	Autoimmunity Caroline Pot-Kreis	15:00-15:45	Group 3 participants Petr Broz FTC, WH	15:00-15:45	Group 8 participants Ping-Chih Ho FTC, WH
15:45-16:00	Coffee break	16:00-16:15	Coffee break	15:45-16:00	Coffee break	15:45-16:00	Coffee break
16:00-18:00	Introduction to group work FTC, WH	16:15-18:00	Workshop preparation follow-up. Group projects Group participants	16:00-16:45	Group 4 participants Petr Broz FTC, WH	16:15-17:00	Group 9 participants Ping-Chih Ho FTC, WH
				16:45-17:30	Group 5 participants Petr Broz FTC, WH	17:00-17:45	Group 10 participants Ping-Chih Ho 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)

Thierry Roger, Service of Infectious Diseases, CHUV, UNIL

Camilla Jandus-Marone , Department of Fundamental Oncology, UNIL

Salomé LeibundGut-Landmann, Institute of Virology, UZH

Pedro Romero, Department of Fundamental Oncology, UNIL

Jens Stein, Department of Medicine, UNIFR

Ivana Knezevic , WHO and Department of Biochemistry, UNIL

Li Tang, Laboratory of Biomaterials for Immunoengineering, EPFL

Mirco Schmolke, Microbiology and Molecular Medicine, UNIGE

Daniel Pinschewer, Department of Biomedicine, UNIBAS

Caroline Pot-Kreis, Service of Immunology and Allergy, CHUV, UNIL

Andrew MacPherson, Department for Biomedical Research, UNIBE

Petr Broz, Department of Biochemistry, UNIL

Martin Bachmann, Department of Immunology, UNIBE

Ping Chih-Ho, Department of Fundamental Oncology, UNIL

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Course description

This is an intensive, **4 day course in immunology** intended for PhD and MD students, who wish to expand and update their understanding of the immune system and its role in health and disease. Attendees need to have a basic understanding of immunology. To improve that, 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 2 days of lectures and 4 half-day practical courses. The format of the practical part (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 or 3 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.

→ 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)

→ 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.

Number of credits: 4 ECTS (among these 4 credits, 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



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.