

### 13. SUMMER COURSE IN IMMUNOLOGY, AUGUST 28 – 31, 2023

Monday, August 28 Lectures		Tuesday, August 29 Lectures, Thematic discussion		Wednesday, August 30 Thematic discussion		Thursday, August 31 Thematic discussion	
08:15-09:00	<b>Introduction and overview</b> Fabienne Tacchini-Cottier, Fabio Martinon, Werner Held	08:15-09:00	<b>Preparation time</b>	08:15-09:00	<b>Preparation time</b>	08:15-09:00	<b>Preparation time</b>
09:00-09:45	<b>Innate sensing</b> Petr Broz	09:00-09:45	<b>Epigenetics, Gene expression</b> Silvia Monticelli	09:00-09:45	<b>Innate Immunity</b> Etienne Meunier	09:00-09:45	<b>To be defined</b>
10:00-10:45	<b>Myeloid cells</b> Julia Esser	10:00-10:45	<b>Systems Immunology</b> Roger Geiger	10:00-10:45	<b>Group 3</b>	10:00-10:45	<b>Group 7</b>
11:00-11:15	<b>Coffee break</b>	11:00-11:15	<b>Coffee break</b>	11:00-11:15	<b>Coffee break</b>	11:00-11:15	<b>Coffee break</b>
11:15-12:00	<b>Dendritic cells</b> Stephanie Hugues	11:15-12:00	<b>Immune regulation</b> Nicole Joller	11:15-12:00	<b>Group 4</b>	11:15-12:00	<b>Group 8</b>
12:15-13:00	<b>Research seminar</b> Stephanie Hughes	12:15-13:00	<b>Research seminar</b> Roger Geiger	12:15-13:00	<b>Research seminar</b> Etienne Meunier	12:15-13:00	<b>Research seminar</b> <b>To be defined</b>
13:00-14:00	<b>Lunch break</b>	13:00-14:00	<b>Lunch break</b>	13:00-14:00	<b>Lunch break</b>	13:00-14:00	<b>Lunch break</b>
14:00-14:45	<b>Stromal cells</b> Sanjiv Luther	14:00-14:45	<b>Immunometabolomics</b> Ping-Chih Ho	14:00-14:45	<b>Vaccines</b> Daniel Pinschewer	14:00-14:45	<b>Tumor Immune response</b> Mikaël Pittet
15:00-15:45	<b>CD4/CD8 T cell responses</b> Grégory Verdeil	15:00-15:45	<b>Group 1</b>	15:00-15:45	<b>Group 5</b>	15:00-15:45	<b>Group 9</b>
15:45-16:00	<b>Coffee break</b>	15:45-16:00	<b>Coffee break</b>	15:45-16:00	<b>Coffee break</b>	15:45-16:00	<b>Coffee break</b>
16:00-	<b>Preparation time</b>	16:00-16:45	<b>Group 2</b>	16:00-16:45	<b>Group 6</b>	16:00-16:45	<b>Group 10</b>

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#### **Affiliations of the Organizers and Lecturers (and abbreviations)**

##### **Organizers**

Fabienne Tacchini-Cottier (abbreviated to FTC), Department of Immunobiology UNIL

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

Fabio Martinon (abbreviated to FM), Department of Immunobiology UNIL

##### **Lecturers (in order as listed in the programme)**

Petr Broz, Department of Immunobiology UNIL

Julia Esser-von Bieren, Department of Immunobiology UNIL

Stéphanie Huges, Department of Pathology and Immunology, UNIGE, Genève, CH

Sanjiv Luther, Department of Immunobiology UNIL

Gregory Verdeil, Department of Fundamental Oncology, UNIL

Silvia Monticelli, Institute for research in Biomedicine, Bellinzona, CH

Roger Geiger, Institute for research in Biomedicine, Bellinzona, CH

Nicole Joller, Institute of Experimental Immunology, University of Zürich

Ping Chih-Ho, Department of Fundamental Oncology, UNIL

Etienne Meunier, CNRS, Paris

Daniel Pinschewer, Department of Biomedicine, UNIBAS

Mikaël Pittet, Department of Pathology and Immunology, UNIGE

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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 3 minutes walk from the Metro stop "Croisettes"

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

