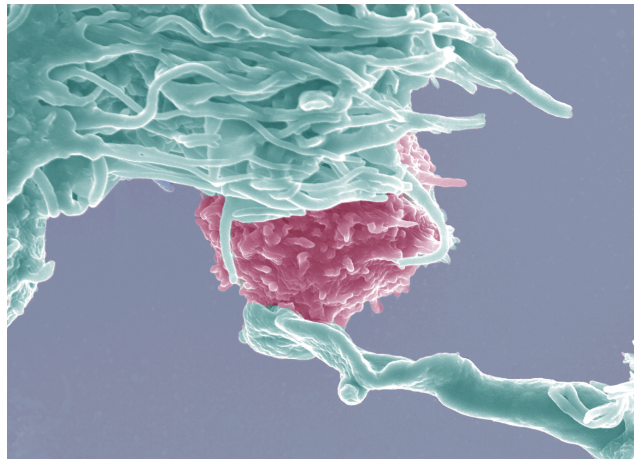




ADVANCED IMMUNOLOGY COURSE 2023 - 2024

MASTERS (M2) UNIVERSITE DE PARIS ET SORBONNE UNIVERSITE



PROGRAM

FROM NOVEMBER 20TH 2023 TO JANUARY 12TH 2024

ADVANCED IMMUNOLOGY COURSE

2023 - 2024

MASTERS (M2) des UNIVERSITE DE PARIS ET SORBONNE UNIVERSITE

THEMES

- Development of the immune system.
- Molecular basis for antigen recognition by B and T lymphocytes.
- Repertoire selection and auto-immunity.
- Lymphocyte interactions
- Immune responses and immunotherapy
- Innate immune system

The course will take place at

PRACTICAL COURSES (NOVEMBER 20 - DECEMBER 8, 2023):

LECTURES (DECEMBER 11-22, 2023) :

SEMINARS (JANUARY 10-12, 2024): Pavillon Emile Roux (10), classroom 2 & 3

Exam (January 9, 2024): Pavillon Emile Roux (10), classroom 2 & 3

25-28, rue du Docteur Roux, 75015 Paris

DIRECTORS OF THE COURSE

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MONDAY 20 NOVEMBER – «VISIO CONFÉRENCES»

8:30 - 10:00 Presentation

Ana CUMANO, Milena HASAN, Andrés ALCOVER,
(Institut Pasteur - Paris)

NOVEMBER 20 TO DECEMBER 8, 2023

WEEKS 1-3

PRACTICAL COURSES 1ST -

DECEMBER 11 TO DECEMBER 20, 2023

WEEKS 4 - 5

CONFERENCES

JANUARY 9, 2024

EXAM – CLASSROOM 2 & 3 OR ZOOM LINK TO BE COMMUNICATED

JANUARY 10 TO JANUARY 12, 2024

BIBLIOGRAPHY SEMINARS – CLASSROOM 2 & 3 OR ZOOM LINK TO BE COMMUNICATED

Week 1-3 - NOVEMBER 20 - DECEMBER 8, 2023

ADVANCED IMMUNOLOGY PRACTICAL COURSES

**Application of cutting edge technologies in the characterization
of age-dependent differences in the immune response of healthy individuals**
(supported in part by “Milieu Intérieur” LabEx project)

Director: Milena Hasan

See specific book for the program of practicals

Conferences associated to the Practical Courses :

FRIDAY 1 DECEMBER

9:00 - 10:00 Genetic determinants of the Immune response

Lluís QUINTANA-MURCI
(Institut Pasteur - Paris)

THURSDAY 7 DECEMBER

9:00 - 10:00 Translational research

Bruno HOEN
(Institut Pasteur-Paris)

Designed and organized by

**Marie Binvignat, Bruno Charbit, Milena Hasan, Bernd Jagla, Esma Karkeni,
Isabelle Lequeutre, Valentina Libri, Sebastien Mella, Céline Mulet, Sophie Novault,
Sandrine Schmutz, Valerie Seffer, Tharshana Stephen**

Module d'Ecole Doctorale - Advanced Immunology - 1

MONDAY 11 DECEMBER

- 9:00 - 12:00 Phylogeny of the Immune System **Louis du PASQUIER**
(University of Basel, Switzerland)
- 13:30 - 16:30 Stem cells, hematopoiesis and lymphopoiesis **Ana CUMANO**
(Institut Pasteur - Paris)

TUESDAY 12 DECEMBER

- 9:00 - 12:00 Origin of antigen receptor diversity and recombination **Ludovic DERIANO**
(Institut Pasteur – Paris)
- 13:30 - 16:30 Lymphocyte activation and Immunological synapses **Andrés ALCOVER**
(Institut Pasteur - Paris)

WEDNESDAY 13 DECEMBER

- 9:30 - 12:00 Lymphocyte dynamics **Philippe BOUSSO**
(Institut Pasteur - Paris)
- 13:30 - 16:30 α/β T cell development and selection **Ludger KLEIN**
(Institute for Immunology – Munich, Germany)

THURSDAY 14 DECEMBER

- 9:00 - 12:00 Thymus development **Graham ANDERSON**
(University of Birmingham, UK)
- 13:30 - 16:30 Peripheral tolerance and autoimmunity. **Burkhard BECHER**
University of Zurich - Switzerland)

FRIDAY 15 DECEMBER

- 9:00 - 12:00 Heterogeneity of T helper cell subsets **Marc VELDHOEN**
(Institute of Molecular Medicine, Lisbon, Portugal)
- 13:30 - 16:30 Innate lymphoid cells **James DI SANTO**
(Institut Pasteur - Paris)

Week 5 - DECEMBER 12 - 16, 2022

Module d'Ecole Doctorale - Advanced Immunology - 2

MONDAY 18 DECEMBER

9:00 - 12:00 Immune response and vaccination strategies to Plasmodium **Rogério AMINO**
(Institut Pasteur - Paris)

13:30 - 16:30 γ/δ T cells : development and function **Adrian HAYDAY**
(Francis Crick Institute- London, UK)

TUESDAY 19 DECEMBER

9:00 - 12:00 Lymphoid tissue development. **Tom CUPEDO**
(Erasmus University, Rotterdam, The Netherlands)

13:30 - 16:30 Dendritic cells **Ana Maria LENNON**
(Institut Curie - Paris)

WEDNESDAY 20 DECEMBER

9:00 - 12:00 Commensals, the Immune System and the Brain **Gerard EBERL**
(Institut Pasteur - Paris)

13:30 - 16:30 Lymphoma pathogenesis **Ralf KÜPPERS**
(University of Duisburg – Essen, Essen, Germany)

THURSDAY 21 DECEMBER

9:00 – 10.30 Genetic bases of immune pathologies
Monogenic susceptibility to autoimmunity **Frédéric Rieux Laucat**
(Institut Imagine - Paris)

10:30 – 12.00 Monogenic susceptibility to EBV
infection **Sylvain Latour**
(Institut Imagine - Paris)

13:30 - 16:30 Effector functions of antibodies **Marc DAERON**
(Centre d'Immunologie Marseille-Luminy)

FRIDAY 22 DECEMBER

9:00 - 12:00 Neuroimmunology **Michal SCHWARTZ and Aleksandra DECZKOWSKA**
The Weizmann Institute, Rehovot, Israel and Institut Pasteur-Paris

13:30 - 16:30 B cell memory **Dinis CALADO**
(Francis Crick Institute- London, UK)

Week 6 - JANUARY 9 - 11, 2024

TUESDAY 9 JANUARY 2024 - CLASSROOM 2 &3

9:00 - 13:00 EXAM

ADVANCED IMMUNOLOGY BIBLIOGRAPHY SEMINARS – Classroom 6

WEDNESDAY 10 JANUARY, 2024

9:30 - 12:30

SEMINAR 1

Lymphocyte activation and transcriptional regulation

Organizers:

Elisabetta BIANCHI (Institut Pasteur - Paris) **Accepted**

Vincenzo DI BARTOLO (Institut Pasteur - Paris) **Accepted**

14:00 - 17:00

SEMINAR 2

Lymphocyte Trafficking

Organizers:

Loïc Dupré (Toulouse University) **Accepted**

Emmanuel DONNADIEU (Institut Cochin - Paris) **Accepted**

THURSDAY 11 JANUARY

9:30 - 12:30

SEMINAR 3

Molecular basis of B cell differentiation.

Organizers:

Paulo VIEIRA (Institut Pasteur - Paris) **Accepted**

Stéphane MANCINI (Université de Rennes) **Accepted**

14:00 - 17:00

SEMINAR 4

T cell responses

Organizers:

Corinne TANCHOT (Hôpital Européen Georges Pompidou - Paris)

Christine BOURGEOIS (Faculté de Médecine - Université Paris Sud)

FRIDAY 12 JANUARY

9:30 - 12:30

SEMINAR 5

Innate immunity

Organizers:

Florence NIEDERGANG (Institut Cochin - Paris)

Molly INGERSOLL (Institut Pasteur - Paris) **Accepted**

14:00 - 17:00

SEMINAR 6

Antibodies in health and disease

Organizers :

Friederique JÖNSSON (Institut Pasteur - Paris) **Accepted**

Hugo MOUQUET (Institut Pasteur - Paris)

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