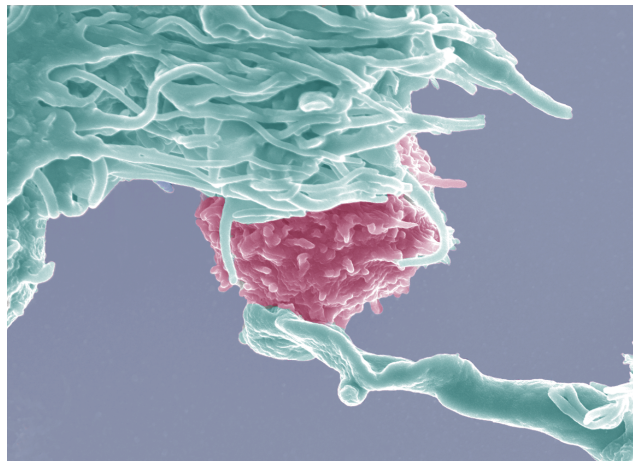


ADVANCED IMMUNOLOGY COURSE 2021 - 2022

MASTERS (M2) UNIVERSITE DE PARIS ET SORBONNE UNIVERSITE



PROGRAM

FROM NOVEMBER 15TH 2021 TO JANUARY 7TH 2022

ADVANCED IMMUNOLOGY COURSE

2021 - 2022

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 15 - DECEMBER 3, 2021):

LECTURES (DECEMBER 6-17, 2021) :

SEMINARS (JANUARY 5-7, 2022): Pavillon Emile Roux (10), classroom 2 & 3

Exam (January 4, 2022): Pavillon Emile Roux (10), classroom 2 & 3

25-28, rue du Docteur Roux, 75015 Paris

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MONDAY 15 NOVEMBER – «VISIO CONFÉRENCES»

8:30 - 10:00 Presentation

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

NOVEMBER 15 TO DECEMBER 3, 2021

WEEKS 1-3

PRACTICAL COURSES 1ST - ~~“ZOOM LINK TO BE COMMUNICATED”~~

DECEMBER 6 TO DECEMBER 17, 2021

WEEKS 4 - 5

CONFERENCES

JANUARY 5, 2021

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

JANUARY 5 TO JANUARY 7, 2021

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

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 27 NOVEMBER

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

Lluís QUINTANA-MURCI
(Institut Pasteur - Paris)

THURSDAY 3 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 6 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 7 DECEMBER

9:00 - 12:00 Origin of antigen receptor diversity and recombination

Ludovic DERIANO
(Institut Pasteur - Paris)

13:30 - 16:30 Thymus development

Graham ANDERSON
(University of Birmingham, UK)

WEDNESDAY 8 DECEMBER

9:00 - 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 9 DECEMBER

9:00 - 12:00 Lymphoid tissue development.

Tom CUPEDO
(Erasmus University, Rotterdam, The Netherlands)

13:30 - 16:30 Peripheral tolerance and autoimmunity.

Burkhard BECHER
(University of Zurich - Switzerland)

FRIDAY 10 DECEMBER

9:00 - 12:00 Heterogeneity of T helper cell subsets

Marc VELDHOEN
(Institute of Molecular Medicine, Lisbon, Portugal)

13:30 - 12:00 Innate lymphoid cells

James DI SANTO
(Institut Pasteur - Paris)

Module d'Ecole Doctorale - Advanced Immunology - 2

MONDAY 13 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 14 DECEMBER

- 9:00 - 12:00** Lymphocyte activation and Immunological Synapses **Andrés ALCOVER**
(Institut Pasteur-Paris)
- 13:30 - 16:30** Dendritic cells **Pierre Guernonprez**
(Hopital Bichat, Université de Paris)

WEDNESDAY 15 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 16 DECEMBER

- 9:00 – 12:00** Genetic bases of immune pathologies
Monogenic susceptibility to autoimmunity **Frédéric Rieux Laucat**
(Institut Imagine - Paris)
- Monogenic susceptibility to EBV viral
infection **Sylvain Latour**
(Institut Imagine - Paris)
- 13:30 - 16:30** Fc receptors and allergy **Marc DAERON**
(Centre d'Immunologie Marseille-Luminy)

FRIDAY 17 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 4 - 8, 2022

TUESDAY 4 JANUARY 2022 - CLASSROOM 2 &3 OR ZOOM LINK TO BE COMMUNICATED

9:00 - 13:00 EXAM

14:30 - 17:30 Answers to the exam's questions. Interactive feed back session

ADVANCED IMMUNOLOGY BIBLIOGRAPHY SEMINARS – Classroom 6

WEDNESDAY 5 JANUARY, 2022

9:30 - 12:30

SEMINAR 1

Molecular basis of B cell differentiation.

Organizers:

Paulo VIEIRA (Institut Pasteur - Paris)

Isabelle ANDRÉ-SCHMUTZ (Institut Imagine - Paris)

14:00 - 17:00

SEMINAR 2

Lymphocyte Trafficking

Organizers:

Loïc Dupré (Toulouse University)

Emmanuel DONNADIEU (Institut Cochin - Paris)

THURSDAY 6 JANUARY

9:30 - 12:30

SEMINAR 3

Lymphocyte activation and transcriptional regulation

Organizers:

Elisabetta BIANCHI (Institut Pasteur - Paris)

Jérôme DELON (Institut Cochin - Paris)

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 7 JANUARY

9:30 - 12:30

SEMINAR 5

Innate immunity

Organizers:

Florence NIEDERGANG (Institut Cochin - Paris)

Molly INGERSOLL (Institut Pasteur - Paris)

14:00 - 17:00

SEMINAR 6

Antibodies in health and disease

Organizers :

Friederique JÖNSSON (Institut Pasteur - Paris)

Hugo MOUQUET (Institut Pasteur - Paris)

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