ADVANCED IMMUNOLOGY COURSE
2019 - 2020

Masters (M2) Universites de Paris et Sorbonne Universite

PROGRAM
FROM NOVEMBER 18TH 2019 TO JANUARY 10TH 2020
ADVANCED IMMUNOLOGY COURSE
2019 - 2020
MASTERS (M2) des UNIVERSITES 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

Education Center - Pavillon Louis MARTIN (09 PLM) and Social Building (06)
CBUTechS – Metchnikoff building and François Jacob Building

PRACTICAL COURSES (NOVEMBER 19- DECEMBER 7, 2019):
PLM (09): 2nd floor and social building (06) classrooms 4 and 5
LECTURES (DECEMBER 9-20, 2019): classroom 4
SEMINARS (JANUARY 8-10, 2020): classroom 5
Exam (January 7, 2019): classroom 5

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DIRECTORS OF THE COURSE

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HEAD OF STUDIES

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M ONDAY 18 NOVEMBER – CLASSROOM 5

8:30 - 10:00  Presentation  Ana CUMANO, Milena HASAN, Andrés ALCOVER,
(Institut Pasteur - Paris)

NOVEMBER 18 TO DECEMBER 6, 2019

WEEKS 1-3

PRACTICAL COURSES

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DECEMBER 9 TO DECEMBER 20, 2019

WEEKS 4 - 5

CONFERENCES – CLASSROOM 4

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JANUARY 7, 2020

EXAM – CLASSROOM 5

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JANUARY 8 TO JANUARY 10, 2020

BIBLIOGRAPHY SEMINARS – CLASSROOM 5

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**ADVANCED IMMUNOLOGY PRACTICAL COURSES**

**PROGRAM**

**NOVEMBER 18 - DECEMBER 6, 2019**

**Weeks 1-3**

**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

Conferences associated to the Practical Courses:

**WEDNESDAY 27 NOVEMBER (CLASSROOM 5)**

9:00 - 10:00  From Translational Research to Personalized Medicine  **Stanislas POL**
(Institut Pasteur/Hôpital Cochin - Paris)

**TUESDAY 3 DECEMBER (CLASSROOM 5)**

9:00 - 10:00  Genetic determinants of the Immune response  **Lluis QUINTANA-MURCI**
(Institut Pasteur - Paris)

Designed and organized by

Murielle ALMOUSSA, Bernd JAGLA, Bruno CHARBIT Milena HASAN,
Isabelle LEQUEUTRE, Valentina LIBRI, Sophie NOVAULT, Céline POSSEME, Sandrine SCHMUTZ,
Tharshana STEPHEN
# Advanced Immunology Conferences

## Program

**Weeks 4-5**

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<th>Module d'Ecole Doctorale</th>
<th>Advanced Immunology - 1</th>
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### Monday 9 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 10 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 11 December

9:00 - 12:00 | Innate lymphoid cells  
James DI SANTO  
(Institut Pasteur - Paris)  
|  
13:30 - 16:30 | α/β T cell development and selection  
Ludger KLEIN  
(Institute for Immunology – Munich, Germany)  

### Thursday 12 December

9:00 - 12:00 | Lymphocyte dynamics  
Philippe BOUSSO  
(Institut Pasteur - Paris)  
|  
13:30 - 16:30 | Peripheral tolerance and autoimmunity.  
Burkhard BECHER  
(University of Zurich - Switzerland)  

### Friday 13 December

9:00 - 12:00 | Heterogeneity of T helper cell subsets  
Marc VELDHOEN  
(Institute of Molecular Medicine, Lisbon, Portugal)  
|  
13:30 - 16:30 | Lymphocyte activation and Immunological Synapses  
Andrés ALCOVER  
(Institut Pasteur-Paris)  


ADVANCED IMMUNOLOGY CONFERENCES

Module d’Ecole Doctorale - Advanced Immunology - 2

MONDAY 16 DECEMBER

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

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

TUESDAY 17 DECEMBER

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

13:30 - 16:30 Dendritic cells
Philippe PIERRE
(Centre d’Immunologie Marseille-Luminy)

WEDNESDAY 18 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 19 DECEMBER

9:00 - 12:00 Molecular Basis of Immune-deficient diseases
Alain FISCHER
(Institut Imagine - Paris)

13:30 - 16:30 Fc receptors and allergy
Marc DAERON
(Centre d’Immunologie Marseille-Luminy)

FRIDAY 20 DECEMBER

9:00 - 12:00 Control of Disease Susceptibility
Miguel SOARES
(Gulbenkian Institute, Oeiras, Portugal)

13:30 - 16:30 B cell memory
Thierry DEFRANCE
(CIRI, Lyon)
**TUESDAY 7 JANUARY 2020 - CLASSROOM 5**

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<tr>
<td>9:00 - 13:00</td>
<td>EXAM</td>
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<td>14:30 - 17:30</td>
<td>Answers to the exam’s questions. Interactive feed back session</td>
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ADVANCED IMMUNOLOGY BIBLIOGRAPHY SEMINARS – Classroom 5

WEDNESDAY 8 JANUARY

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:
Idan MILO (Institut Curie - Paris)
Emmanuel DONNADIEU (Institut Cochin - Paris)

THURSDAY 9 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 10 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)

17:30 PARTY
Contacts
Institut Pasteur Administration

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