

Master 2^{ème} année
Spécialité « Immunologie »
Parcours I2P
Année universitaire 2020-2021

Université de Paris & Sorbonne université

Module « Dialogues en Immunologie »
(6 ECTS)

TECHNOLOGY CONFERENCES
(OPTIONAL)

Monday, November 2th, Location : Campus Paris Rive Gauche-Université Paris Diderot
Bâtiment Sophie Germain amphi Turing
Chairman : Eric Tartour

9h00-10h30

Christophe FERREIRA
(Anima5-University Paris Descartes facility)

"Animal models (CreRT2/LoxP, fate mapping ROSA-STOP-fluorochrome, CrisprCas9, CD45.1/CD45.2 system, ethics...)"

10h45-12h15

Philippe BOUSSO
(Institut Pasteur, Paris)

« Decoding mechanisms of tumor immunity using intravital imaging »

OPENING CONFERENCES

Monday, November 2th, Location : Campus Paris Rive Gauche-Université Paris Diderot

Bâtiment Sophie Germain amphi Turing

Chairwoman : Mireille Viguié

14h00-15h00

Adrien SIX

(Sorbonne Université)

« Introduction to Systems Biology: Principles and Methods »

15h00-16h00

Thomas PRADEU

(ImmunoConcept lab, CNRS and University of Bordeaux)

« The Importance of Theories in Immunology »

Schedule

November 3-5, 2020

Conferences "Dialogues in Immunology"

Principle:

- Each theme is divided into two consecutive sessions (one session from 9:30 am to 12:00 pm; the second from 1:30 pm to 4:00 pm) coordinated by a chairman/chairwoman.
- The chairman/chairwoman invites one (or more) speakers for each session.
- Students are divided into 2 groups (groups 1 & 2)
- Each session is attended by one of the two groups of 25 students (depending on the sanitary situation, the attendance could be either on site for everyone or hybride attendance (on site and virtually) by splitting each group into two groups)
- Students work in pairs equally divided into groups 1 & 2 (pairs of pairs will be organized in case of hybride attendance)
- Therefore, each pair, represented by one of its members, will attend each session of each theme.
- Pairs of students will be assigned to two topics from the beginning and will have to chair a panel discussion session at the end of conference for 30 minutes. This panel discussion will be part of the evaluation
- For the drafting of its report, each pair will have to synthesize the information and the product of the topics they chair and provide a general synthetic discussion on all the sessions.

Tuesday, November 3th **Location : Campus Pitié-Salpêtrière – Sorbonne Université**
rooms 501 et 503, 105 bd de l'Hôpital, 75013 Paris (M° Saint-Marcel)

9h00-9h30

Introduction to "Dialogues in Immunology"

Mireille Viguié and Encarnita Mariotti-Ferrandiz

Theme n°1 – Mediators of innate immunity

Chairman: Jean-Michel Sallenave

9h30-12h00, group 1

ROS, NOX & inflammation

Jamel El BENNA (Inserm, Paris)

13h30-16h00, group 2

Purinergic receptors, inflammasomes and inflammation

Jean KANELLOPOULOS (Université Paris Sud)

Theme n°2 – The Effectors of Natural Immunity

Chairman: Jean Pierre Couty

9h30-12h00, group 2

Dynamic interaction of myeloid cells with HIV (and tumors)

Philippe BENAROCH (Institut Curie, Paris)

13h30-16h00, group 1

*Origin and function of tumour macrophages,
an update of the paradigm*

Alexandre BOISSONNAS (CIMI, Paris)

Wednesday, November 4th, Location: Campus Pitié-Salpêtrière – Sorbonne Université
rooms 26 & 27, 105 bd de l'Hôpital, 75013 Paris (M° Saint-Marcel)

Theme n°3 – Antigenic Presentation

Chairwoman: Mireille Viguié

9h30-10h00, group 1

What do you know about antigen presentation?

10h00- 12h00

TLR, processing and presentation of antigens
Bénédicte MANOURY (Institut Necker)

13h30-14h00, group 2

What do you know about antigen presentation?

14h00-16h00

Dendritic cells and antigen presentation
Anne HOSMALIN (Institut Cochin)

Theme n°4 – Hematopoiesis

Chairwoman: Rachel Golub

9h30-12h00, group 2

Positive and negative selection of B lymphocytes
Claude-Agnès REYNAUD
(Institut Necker/INSERM)

13h30-16h00, group 1

Defining T lymphocyte identity
Ana CUMANO (Institut Pasteur)

16h00-17h00, groups 1 & 2

Instructions for writing the report in pairs

Encarnita Mariotti & Mireille Viguié

Thursday, November 5th

Location: Campus Pitié-Salpêtrière – Sorbonne Université
rooms 501 & 503, 105 bd de l'Hôpital, 75013 Paris (M° Saint-Marcel)

Theme n°5 – Evolution of the immune system

Chairwoman: Encarnita Mariotti

9h30-12h00, group 1

Diversity, Repertoire Selection and Evolution
Pierre BOUDINOT (INRA, Jouy en Josas)

13h30-16h00, group 2

Innate immunity, from invertebrates to vertebrates
Jean-Pierre LEVRAUD (Institut Pasteur, Paris)

Theme n°6 – Regulation of immune responses

Chairwoman: Lucienne Chatenoud

9h30-12h00, group 2

Regulatory T lymphocytes and Immune Tolerance
Benoit Salomon (CIMI-UPMC UMRS - Inserm U1135 –
CNRS ERL 8255- Pitié Salpêtrière)

13h30-16h00, group 1

Regulatory T Cells: from Biology to Therapy
Julien Zuber (Hôpital Necker-Enfants Malades)

16h00-16h30, groups 1 & 2

General discussion

16h30-17h00

only I2P students

Sébastien Storck

Presentation of the module “Analysis of scientific articles”

Friday, November 6th

Reports' writing by your own.

November 9 to 13 « *Les Masteriales* »

Monday 9 November to Friday 13 November morning

***Location : Campus Paris Rive Gauche, Université Paris Diderot
Bâtiment Halle aux Farines, 5ème étage***

Masteriales launch & Project preparation
Guillaume Darrasse-Jèze

Friday 13 November November afternoon

***Site : Campus Paris Rive Gauche, Université Paris Diderot
Bâtiment Buffon RDC***

Presentation of the projects by students
Guillaume Darrasse-Jèze & Peter van Endert