

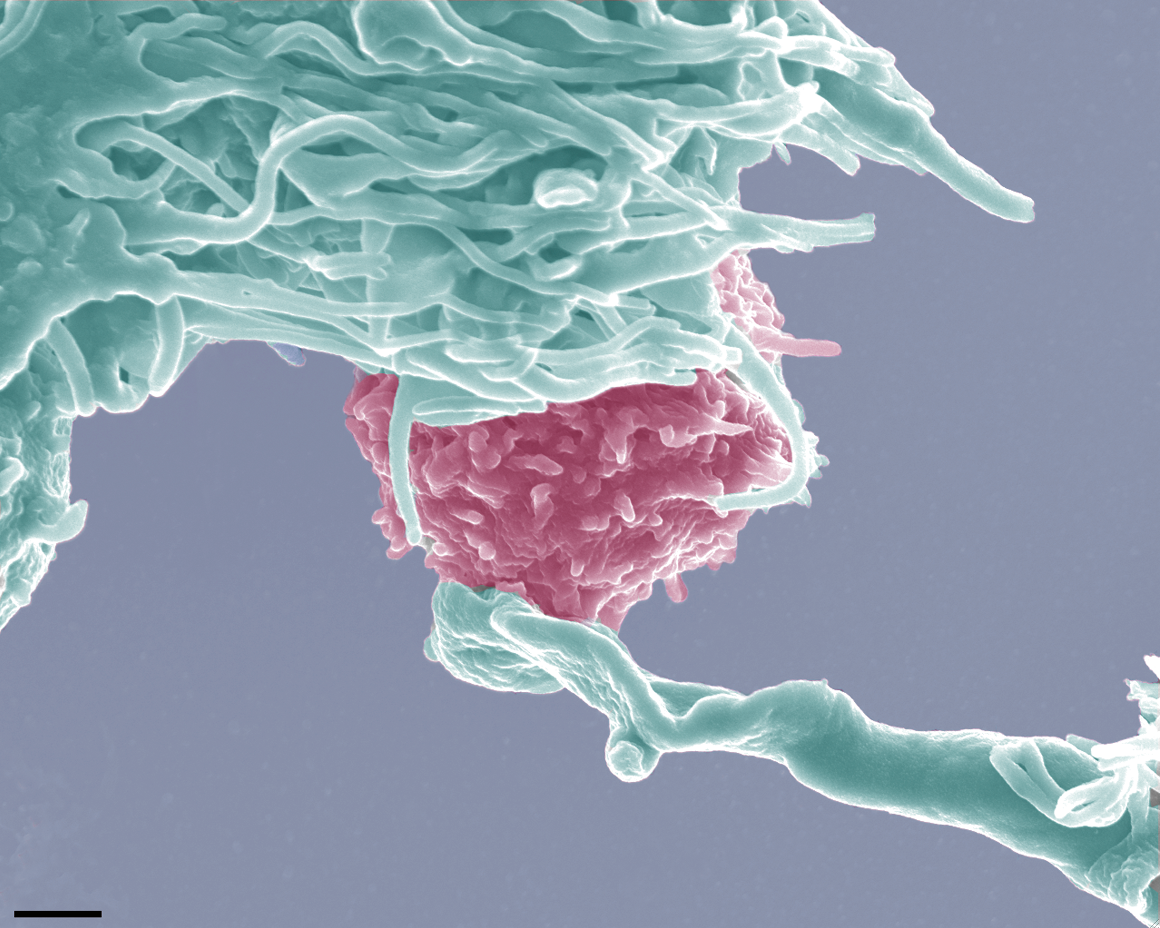


**CB UTechS**

**Advanced Immunology Course**

**2020 - 2021**

**Masters (M2) Université de Paris< et Sorbonne Université**

****

**PROGRAM**

**From November 16th 2020 to January 8th 2021**

**Advanced Immunology Course**

**2020 - 2021**

**Masters (M2) des Universite de Paris et Sorbonne Université**

**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 16 - December 6, 2020): PLM (09): 2nd floor**

**and classrooms 4 and 5 (06)**

**Lectures (December 7-18, 2020) : Social building (06), classroom 4**

**Seminars (January 6-8, 2021): classroom 6, 23 rue du dr Roux**

**Exam (January 5, 2021): classroom 6, 23 rue du dr Roux**

28, rue du Docteur Roux, 75015 Paris

**DIRECTORS OF THE COURSE**

|  |  |
| --- | --- |
| **Andrés ALCOVER**  Unité de Biologie Cellulaire des Lymphocytes  Institut Pasteur - Paris  Tel +33(0)1 40 61 30 64  **Mobile** : +33 (0)6 84 47 22 30  **E.mail** : andres.alcover@pasteur.fr | Ana CUMANO Unité de Lymphopoiese  Institut Pasteur - Paris  Tel +33(0)1 45 68 82 55  **Mobile** : +33 (0)6 07 65 02 08  **E.mail** : ana.cumano@pasteur.fr |

Head of Studies

**Milena HASAN**

Cytométrie et Biomarkeurs UTechS

Institut Pasteur - Paris

Tel +33(0)1 40 61 30 27

**Portable** : +33(0)6 84 39 43 52

**E.mail** : milena.hasan@pasteur.fr

### Monday 16November – Classroom 5

**8:30 - 10:00 Presentation Ana CUMANO, Milena HASAN, Andrés ALCOVER,**

(Institut Pasteur - Paris)

**November 16to December 6,2020**

**Weeks 1-3**

**Practical courses**

***\*\*\*\*\*\*\*\*\*\*\*\*\****

**December 7 to December 18, 2020**

**Weeks 4 - 5**

**Conferences – Classroom 4**

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**January 5, 2021**

**Exam – Classroom 6**

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**January 6 to January 8,2021**

**Bibliography Seminars – Classroom 6**

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**Advanced Immunology Practical Courses**

**Program**

**November 16 - December 6, 2020**

**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 determinantsof 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**

Week 4

**Advanced Immunology Conferences**

**PROGRAM**

**December 7 - 18, 2020**

**Weeks 4-5**

Module d’Ecole Doctorale - Advanced Immunology - 1

### Monday 7 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 8 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 9 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 10 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 11 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 andImmunological Synapses **Andrés ALCOVER**

(Institut Pasteur-Paris)

Week 5

**Advanced Immunology Conferences**

Module d’Ecole Doctorale - Advanced Immunology - 2

#### Monday 14 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 15 December

**9:00 - 12:00** Lymphoid tissue development. **Tom CUPEDO**

(Erasmus University, Rotterdam, The Netherlands)

**13:30 - 16:30** Dendritic cells **Philippe PIERRE**

(Centre d’Immunologie Marseille-Luminy)

**Wednesday 16 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 17 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 18 December**

**9:00** - **12:00** Neuroimmunometabolic Disorders  **Ana I. Domingos**

(University of Oxford, Oxford, UK)

**13:30 - 16:30** B cell memory **Dinis Calado**

(Francis Crick Institute- London, UK)

Week 6

**Tuesday 5 January 2021 - Classroom 6**

**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 6 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 7 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 8 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**

## Names And Addresses of the Lecturers

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Mr ALCOVER Andrés** | | | **Email:** | | |  | | andres.alcover@pasteur.fr | | | |
|  | | Département d’Immunologie | | |  | | |  | |  | | | | |
|  | | Institut Pasteur  Paris, France  **Mr AMINO Rogerio** | | | **Email :** | | |  | | rogerio.amino@pasteur.fr | | | | |
|  | | Département Parasites & Insectes Vecteurs  Institut Pasteur  Paris, France | | |  | | |  | |  | | | | |
|  | | **Ms ANDRE-SCHMUTZ Isabelle** | | | **Email:** | | |  | | isabelle.andre-schmutz@inserm.fr | | | | |
|  | | Institut Imagine | | |  | | |  | |  | | | | |
|  | | Paris, France | | |  | | |  | |  | | | | |
|  | |  | | |  | | |  | |  | | | | |
|  | | **Mr Burkhard BECHER**  Institute of Experimental Immunology  University of Zurich | | | **Email:** | | |  | | becher@immunology.uzh.ch | | | | |  | | | | | | | becher@immunology.uzh.ch | | | |
|  | | Zurich, Switzerland | | |  | | |  | |  | | | | |  | | | | | |
|  | | **Elisabetta BIANCHI**  Département d’Immunologie | | | **Email:** | | |  | | elisabetta.bianchi@pasteur.fr | | | | |  | | | | | |
|  | | Institut Pasteur  Paris, France | | |  | | |  | |  | | | | |  | | | | | |
|  | |  | | |  | | |  | |  | | | | |  | | | | | |
|  | | **Ms BOURGEOIS Christine** | | | **Email :** | | |  | | christine.bourgeois@u-psud.fr | | | | |
|  | | INSERM 1012  Faculté de Médecine. Université Paris Sud | | |  | | |  | |  | | | | |
|  | | Kremlin Bicêtre, France | | |  | | |  | |  | | | | |
|  | |  | | |  | | |  | |  | | | | |
|  | | **Mr BOUSSO Philippe** | | | **Email :** | | |  | | philippe.bousso@pasteur.fr | | | | |
|  | | Département d’Immunologie, | | |  | | |  | |  | | | | |
|  | | Institut Pasteur  Paris, France | | |  | | |  | |  | | | | |
|  | |  | | |  | | |  | |  | | | | |
|  | | **Ms CUMANO Ana** | | | **Email :** | | |  | | ana.cumano@pasteur.fr | | | | |
|  | | Département d’Immunologie, | | |  | | |  | |  | | | | |
|  | | Institut Pasteur  Paris, France | | |  | | |  | |  | | | | |
|  | |  | | |  | | |  | |  | | | | |
|  | | **Mr CUPEDO Tom** | | | **Email :** | | |  | | t.cupedo@erasmusmc.nl | | | | |
|  | | Department of Hematology  Erasmus University Medical Center | | |  | | |  | |  | | | | |
|  | | Rotterdam, The Netherlands | | |  | | |  | |  | | | | |
|  | |  | | |  | | |  | |  | | | | |
|  | | **Mr Marc DAERON** | | |  | | |  | |  | | | | |
|  | | Chercheur Invité | | | **Email :** | | |  | | marc.daeron@pasteur.fr | | | | |
|  | | Institut Pasteur, Paris  Centre d’Immunologie Marseille-Luminy, France | | |  | | |  | |  | | | | |
|  | | |  | |  | | |  | |  | | | | |
|  | | | **Mr Dinis Calado** | | **Email :** | | |  | | Dinis.Calado@crick.ac.uk | | | | |
|  | | | Frances Crick Institute | |  | | |  | |  | | | | |
|  | | | London, UK | |  | | |  | |  | | | | |
|  | | |  | |  | | |  | |  | | | | |
|  | | | **Mr DELON Jérôme** | | **Email :** | | |  | | jerome.delon@inserm.fr | | | | |
|  | | | Département Infection-Immunité-Inflammation  Institut Cochin  Paris, France | |  | | |  | |  | | | | |
|  | | |  | |  | | |  | |  | | | | |
|  | | | **Mr DERIANO Ludovic** | | **Email:** | | |  | | ludovic.deriano@pasteur.fr | | | | |
|  | | | Département d’Immunologie | |  | | |  | |  | | | | |
|  | | | Institut Pasteur  Paris, France | |  | | |  | |  | | | | |
|  | | |  | |  | | |  | |  | | | | |
|  | | | **Mr DI SANTO James** | | **Email:** | | |  | | james.di-santo@pasteur.fr | | | | |  | | | |
|  | | | Départemnet d’Immunologie | |  | | |  | |  | | | | |  | | | |
|  | | | Institut Pasteur  Paris, France | |  | | |  | |  | | | | |  | | | |
|  | | |  | |  | | |  | |  | | | | |  | | | |
|  | | | **Mr DONNADIEU Emmanuel** | | **Email:** | | |  | | emmanuel.donnadieu@inserm.fr | | | | |  | | | |  | | | | |
|  | | | Département Infection-Immunité-Inflammation | |  | | |  | |  | | | | |  | | | |  | | | | |
|  | | | Institut Cochin  Paris, France | |  | | |  | |  | | | | |
|  | | |  | |  | | |  | |  | | | | |
|  | | | **Mr du PASQUIER Louis** | | **Email:** | | |  | | louis.dupasquier@unibas.ch | | | | |
|  | | | Department of Zoology and Evolutionary Biology  University of Basel | |  | | |  | |  | | | | |
|  | | | Basel, Switzerland | |  | | |  | |  | | | | |
|  | | |  | |  | | |  | |  | | | | |
|  | | | **Mr EBERL Gérard** | | **Email:** | | |  | | gerard.eberl@pasteur.fr | | | | |
|  | | | Département d'Immunologie  Institut Pasteur  Paris, France | |  | | |  | |  | | | | |
|  | | |  | |  | | |  | |  | | | | |  | | | |
|  | | | **Mr FISCHER Alain** | | **Email:** | | |  | | alain.fischer@nck.ap-hop-paris.fr | | | | |  | | | |
|  | | | Institut Imagine  Paris, France | |  | | |  | |  | | | | |
|  | | |  | |  | | |  | |  | | | | | |  | | | |
|  | | | **Mr HAYDAY Adrian** | |  | | |  | |  | | | | | |  | | | |  | | | | |
|  | | | Francis Crick Institute | | **Email:** | | |  | | adrian.hayday@kcl.ac.uk | | | | | |
|  | | | London, UK | |  | | |  | |  | | | | | |
|  | | |  | |  | | |  | |  | | | | | |
|  | | | **Ms INGERSOLL Molly** | | **Email** | | |  | | [molly.ingersoll@pasteur.fr](mailto:molly.ingersoll@pasteur.fr) | | | | | |
|  | | | Département d’Immunologie | |  | | |  | |  | | | | | |
|  | | | Institut Pasteur | |  | | |  | |  | | | | | |
|  | | | Paris, France | |  | | |  | |  | | | | | |
|  | | |  | |  | | |  | |  | | | | | |
|  | | | **Ms JÖNSSON Friederique** | | **Email** | | |  | | friederike.jonsson@pasteur.fr | | | | | |
|  | | | Département d’Immunologie | |  | | |  | |  | | | | | |
|  | | | Institut Pasteur | |  | | |  | |  | | | | | |
|  | | | Paris, France | |  | | |  | |  | | | | | |
|  | | |  | |  | | |  | |  | | | | | |
|  | | | **Mr KLEIN Ludger** | | **Email:** | | |  | | ludger.klein@med.lmu.de | | | | | |
|  | | | Institute for Immunology | |  | | |  | |  | | | | | |
|  | | Munich, Germany | | |  | | |  | |  | | | | |
|  | | **Mr KÜPPERS Ralf** | | | **Email:** | | |  | | Ralf.Kueppers@uk-essen.de | | | | |
|  | | University of Duisburg  Essen, Germany | | |  | | |  | |  | | | | |
|  | |  | | |  | | |  | |  | | | | |
|  | | **Mr MILO Idan** | | | **Email:** | | |  | | idan.milo@pasteur.fr | | | | |  | | |
|  | | Département d’Immunologie | | |  | | |  | |  | | | | |  | | |
|  | | Institut Pasteur  Paris, France | | |  | | |  | |  | | | |
|  | |  | | |  | | |  | |  | | | |  | | |
|  | | **Mr MOUQUET Hugo** | | | **Email:** | | |  | | hugo.mouquet@pasteur.fr | | | |  | | |  | | | | | |
|  | | Département d’Immunologie  Institut Pasteur | | |  | | |  | |  | | | |
|  | | Paris, France | | |  | | |  | |  | | | |
|  |  | | |  | | |  | |  | | | |
|  | **Ms NIEDERGANG Florence** | | | **Email:** | | |  | | florence.niedergang@inserm.fr | | | |
|  | Département Infection-Immunité-Inflammation | | |  | | |  | |  | | | |
|  | Institut Cochin,  Paris, France | | |  | | |  | |  | | | |
|  |  | | |  | | |  | |  | | | |
|  | **Mr PIERRE Philippe** | | | **Email:** | | |  | | pierre@ciml.univ-mrs.fr | | | |
|  | Centre d'Immunologie de Marseille - Luminy | | |  | | |  | |  | | | |
|  | Marseille, France | | |  | | |  | |  | | | |
|  |  | | |  | | |  | |  | | | |
|  | **Mr POL Stanislas** | | | **Email :** | | |  | | stanislas.pol@pasteur.fr | | | |
|  | Centre de Recherche Translationnelle  Institut Pasteur  Paris, france | | |  | | |  | |  | | | |
|  |  | |  | |  |  | | | | |
|  | **Mr QUINTANA-MURCI Lluis** | | | **Email :** | | | |  | | lluis.quintana-murci@pasteur.fr | |
|  | Département Genome et Génétique  Institut Pasteur | | |  | | | |  | |  | |
|  |  | | |  | | | |  | |  | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | |
|  | **Ms Domingos Ana** | **Email:** |  | ana.domingos@dpag.ox.ac.uk | |
|  | University of Oxford |  |  |  | |
|  | Oxford, UK |  |  |  | |
|  |  |  |  |  | |
|  | **Ms TANCHOT Corinne** | **Email:** |  | corinne.tanchot@inserm.fr | |
|  | INSERM U970 Hôpital Georges Pompidou |  |  |  | |
|  | Paris, France |  |  |  | |
|  |  |  |  |  | |
|  | **Mr VELDHOEN Marc** | **Email:** |  | marc.veldhoen@medicina.ulisboa.pt | |
|  | Institute of Molecular Medicine |  |  |  | |
|  | Lisbon, Portugal |  |  |  | |
|  |  |  |  |  | |
|  | **Mr VIEIRA Paulo** | **Email *:*** |  | paulo.vieira@pasteur.fr | |
|  | Département d’Immunologie |  |  |  | |
|  | Institut Pasteur  Paris, France |  |  |  | |
|  |  |  |  |  |

**PRACTICAL WORK**

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| --- | --- | --- | --- | --- |
| **Ms ALMOUSSA Murielle** | **Email:** |  | murielle.almoussa@pasteur.fr | |
| Centre d' Enseignement  Institut Pasteur, |  |  |  | |
| Paris, France |  |  |  | |
|  |  |  |  | |
| **Mr CHARBIT Bruno** | **Email:** |  | bruno.charbit@pasteur.fr | |
| Cytométrie et Biomarkeurs UTechS  Institut Pasteur  Paris, France |  |  |  | |
| **Ms HASAN Milena** | **Email:** |  | milena.hasan@pasteur.fr | |
| Cytométrie et Biomarkeurs UTechS  Institut Pasteur  Paris, France |  |  |  | |
| **Mr JAGLA Bernd** | **Email:** |  | bernd.jagla@pasteur.fr | |
| Cytométrie et Biomarkeurs UTechS  Institut Pasteur  Paris, France |  |  |  | |
| **Ms LEQUEUTRE Isabelle** | **Email:** |  | isabelle.lequeutre@pasteur.fr | |
| Centre d' Enseignement  Institut Pasteur |  |  |  | |
| Paris, France |  |  |  | |
|  |  |  |  | |
| **Ms LIBRI Valentina** | **Email:** |  | valentina.libri@pasteur.fr | |
| Cytométrie et Biomarkeurs UTechS |  |  |  | |
| Institut Pasteur  Paris, France |  |  |  | |
| **Ms NOVAULT Sophie** | **Email:** |  | sophie.novault@pasteur.fr | |
| Cytométrie et Biomarkeurs UTechS |  |  |  | |
| Institut Pasteur  Paris, France |  |  |  | |
| **Ms POSSEME Céline** | **Email :** |  | celine.posseme@pasteur.fr | |
| Département d’Immunologie  Institut Pasteur  Paris, France |  |  |  | |
|  |  |  |  | |
| **Ms SCHMUTZ Sandrine** | **Email :** |  | sandrine.schmutz@pasteur.fr |
| Cytométrie et Biomarkeurs UTechS |  |  |  |
| Institut Pasteur  Paris, France |  |  |  |
| **Ms STEPHEN Tharshana** | **Email :** |  | tharshana.stephen@pasteur.fr |
| Cytométrie et Biomarkeurs UTechS  Institut Pasteur |  |  |  |
| Paris, France |  |  |  |

**Contacts**

**Institut Pasteur Administration**

**Education Center** (building 06, ground floor, module 4, 28 rue du Docteur Roux)

Gladys ELISABETH

Building 06

Tél : +33 (0)1 40 61 38 04

Email : [ia@pasteur.fr](mailto:ia@pasteur.fr)

**Registration Office** (building 13 – 28 rue du Dr Roux)

Céline CORBIN

Building 13

Tel : +33 (0)1 40 61 33 62

Email : [enseignement@pasteur.fr](mailto:enseignement@pasteur.fr)