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# EMily - Écotaxie, microenvironnement, et développement lymphocytaire

Rapport Hcéres

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REPORT ON THE RESEARCH UNIT:  
Microenvironment, lymphocyte development  
and homing (EMiLy)

UNDER THE SUPERVISION OF THE  
FOLLOWING INSTITUTIONS AND  
RESEARCH BODIES:

Université Paris Diderot  
Institut National de la Santé et de la Recherche  
Médicale - INSERM

**ÉVALUATION CAMPAIGN 2017-2018**  
GROUP D



In the name of Hcéres<sup>1</sup>:

Michel Cosnard, President

In the name of the expert committee<sup>2</sup>:

Adrian Liston, Chairman of the committee

Under the decree No.2014-1365 dated 14 November 2014,

<sup>1</sup> The president of Hcéres "countersigns the evaluation reports set up by the expert committees and signed by their chairman." (Article 8, paragraph 5);

<sup>2</sup> The evaluation reports "are signed by the chairman of the expert committee". (Article 11, paragraph 2).

This report is the sole result of the unit's evaluation by the expert committee, the composition of which is specified below. The assessments contained herein are the expression of an independent and collegial reviewing by the committee.

## UNIT PRESENTATION

|                                      |   |
|--------------------------------------|---|
| <b>Unit name:</b>                    | Microenvironment, lymphocyte development and homing |
| <b>Unit acronym:</b>                 | EMiLy   |
| <b>Requested label:</b>              |   |
| <b>Application type:</b>             | Restructuration                                     |
| <b>Current number:</b>               |   |
| <b>Head of the unit (2017-2018):</b> | Mr Antoine TOUBERT                                  |
| <b>Project leader (2019-2023):</b>   | Mr Antoine TOUBERT                                  |
| <b>Number of teams:</b>              | 3   |

## COMMITTEE MEMBERS

|  |   |
|--|---|
| <b>Chair:</b>  | Mr Adrian LISTON, Université de Louvain, Belgique   |
| <b>Experts:</b>  | Ms Julie DECHANET-MERVILLE, Université de Bordeaux<br>Ms Virginie LAFONT, IRCM-Montpellier (representative of INSERM CSS)<br>Ms Brigitte Le MAUFF, Université de Caen (representative of CNU)<br>Mr Cédric MONGELLAZ, IGMM-Montpellier (supporting personnel) |
| <b>HCERES scientific officer:</b>                              | Mr Théophile OHLMANN  |
| <b>Representatives of supervising institutions and bodies:</b> | Mr Herve DOMBRET, Institut Universitaire d'Hématologie<br>Mr Gilles DULUC, Hôpital Saint Louis<br>Ms Evelyne JOUVIN-MARCHE, INSERM<br>Mr Mathieu RESCHE-RIGON, Université Paris Diderot<br>Mr Jean Damien RICARD, UFR Médecine<br>Ms Sabrina SAHNOUN, INSERM  |

## INTRODUCTION

### HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

The INSERM UMR 1160 "Alloimmunity-Autoimmunity-Transplantation" was created in January 2014 and was composed of 3 teams:

Team #1: "Lymphocyte differentiation and homeostasis in allo- and autoimmunity";

Team #2: "Regulation of allogeneic immune responses in renal transplantation";

Team #3: "Hematopoietic stem cell transplantation".

The current application is a restructuration from team 1, which will be joined by another team from Clamart, resulting in three new teams that will all be located at the Institut Universitaire d'Hematologie (IUH) at the Saint Louis Hospital:

Team #1: "Homeostatic and Pathological Chemokine-Regulated Interplays between Lymphocytes and their Microenvironment";

Team #2: "Thymic function and development";

Team #3: "Intestinal Immunity in Inflammation and Cancer".

### MANAGEMENT TEAM

The team was and will be headed by Mr Antoine Toubert (PU-PH).

### HCERES NOMENCLATURE

SVE3\_4 Immunologie

### SCIENTIFIC DOMAIN

Immunology. Role of chemokines in the interaction between stroma and lymphocytes in the hematopoietic niche. Study of Hematologic disorders. Development of T lymphocytes in the thymus. Mucosal immunity in inflammation and cancer. The unit is focused on understanding the role of the microenvironment in altering the outcomes of immune development and activation in the contexts of bone marrow, thymus and gut.

### UNIT WORKFORCE

| Unit workforce   | Number<br>30/06/2017 | Number<br>01/01/2019 |
|--|----------------------|----------------------|
| <b>Permanent staff</b>   |                      |                      |
| Full professors and similar positions  | 14                   | 6                    |
| Assistant professors and similar positions                                   | 5                    | 4                    |
| Full time research directors (Directeurs de recherche) and similar positions | 4                    | 2                    |
| Full time research associates (Chargés de recherche) and similar positions   | 4                    | 5                    |

|   |           |           |
|---|-----------|-----------|
| Other scientists ("Conservateurs, cadres scientifiques des EPIC, fondations, industries, etc.") | 0         | 0         |
| High school teachers  | 0         | 0         |
| Supporting personnel (ITAs, BIATSSs and others, notably of EPICs)                               | 23        | 5         |
| <b>TOTAL permanent staff</b>  | <b>50</b> | <b>22</b> |
| <b>Non-permanent staff</b>  |           |           |
| Non-permanent professors and associate professors, including emeritus                           | 3         |           |
| Non-permanent full time scientists, including emeritus, post-docs                               | 11        |           |
| Non-permanent supporting personnel  | 1         |           |
| PhD Students  | 14        |           |
| <b>TOTAL non-permanent staff</b>  | <b>29</b> |           |
|   |           |           |
| <b>TOTAL unit</b>   | <b>81</b> |           |

## GLOBAL ASSESSMENT OF THE UNIT

INSERM UMR 1160 is a small and dynamic research unit that has a high scientific output, both in terms of publications and industrial collaboration. Building upon this already high output, the unit has taken bold and substantial reforms to achieve its research aims in the next period, including substantial investments in the next generation of scientific leadership. These changes give the unit high potential for increasing scientific publication, public outreach, clinical-translational research and increased commercial interactions.

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