

REPORT ON THE RESEARCH UNIT:  
Prévention et Traitement de la Résistance à  
l'Anabolisme Musculaire (PRETRAM)

UNDER THE SUPERVISION OF THE  
FOLLOWING INSTITUTIONS AND  
RESEARCH BODIES:

Université Paris Descartes

**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>:

Moïse Coëffier, 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>	Prévention et Traitement de la Résistance à l'Anabolisme Musculaire
<b>Unit acronym:</b>	PRETRAM
<b>Requested label:</b>	EA
<b>Application type:</b>	Renewal
<b>Current number:</b>	EA 4466
<b>Head of the unit (2017-2018):</b>	Mr Jean-Pascal DE BANDT
<b>Project leader (2019-2023):</b>	Mr Jean-Pascal DE BANDT
<b>Number of themes:</b>	3

## COMMITTEE MEMBERS

<b>Chair:</b>	Mr Moïse COEFFIER, Université de Rouen Normandie
<b>Experts:</b>	Mr Jean-Marie BARD, Université de Nantes (representative of CNU) Ms Estelle RATHAHO-PARIS, Inra (supporting personnel)
<b>HCERES scientific officer:</b>	Mr Jean-Paul LALLÈS
<b>Representative of supervising institutions and bodies:</b>	Mr Stefano MARULLO, Université Paris Descartes

## INTRODUCTION

### HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

The PRETRAM unit is located at the Faculty of Pharmacy of Paris, Paris Descartes University in the Paris Pharmaceutical Research Center; 720 m<sup>2</sup> are devoted to the unit that has also access to platforms of the faculty or the university. The unit is applying for renewal as a single team with only a part of participants of the EA 4466 unit starting the next contract.

### MANAGEMENT TEAM

The unit is headed by Mr Jean-Pascal DE BANDT and Mr LUC CYNOBER as deputy director.

### HCERES NOMENCLATURE

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### SCIENTIFIC DOMAIN

The main scientific domain is in the nutrition-metabolism field. Briefly, the unit EA 4466 aims to evaluate strategies to prevent skeleton muscle protein loss, which is of importance for the prognosis of individuals and for long-term health in three associated conditions: aging, insulin resistance and cancer. The EA members particularly focused their activities on the effects of citrulline. Main research aims of the unit during the period 2012-2017 were to obtain new data on the effects of nutritional interventions, especially of citrulline, to prevent hypercatabolism and protein loss during aging, acute injury and insulin-resistance.

### UNIT WORKFORCE

Unit workforce	Number 30/06/2017	Number 01/01/2019
<b>Permanent staff</b>		
Full professors and similar positions	4 (FTE 1.16)	4 (FTE 1.24)
Assistant professors and similar positions	2 (FTE 1)	0
Full time research directors (Directeurs de recherche) and similar positions	0	0
Full time research associates (Chargés de recherche) and similar positions	7 (FTE 2.3)	7 (FTE 2.8)
Other scientists ("Conservateurs, cadres scientifiques des EPIC, fondations, industries, etc.")	2	2
High school teachers	0	0
Supporting personnel (ITAs, BIATSSs and others, notably of EPICs)	7 (5.3)	3 (1.2)
<b>TOTAL permanent staff</b>	<b>22</b>	<b>16</b>
<b>Non-permanent staff</b>		

Non-permanent professors and associate professors, including emeritus	0	
Non-permanent full time scientists, including emeritus, post-docs	0	
Non-permanent supporting personnel	0	
PhD Students	1	
<b>TOTAL non-permanent staff</b>	<b>1</b>	
<b>TOTAL unit</b>	<b>23</b>	

## GLOBAL ASSESSMENT OF THE UNIT

The unit has published several original articles and reviews in journals with a broad readership as well as in leading Journals in the field during the last five years. In addition, technology transfer has been sustained with several patents. The high number of invitations to meetings reflects international recognition of the unit.

The unit members have the skills to address the issue of protein loss. Cancer has emerged in the last years and will benefit from the arrival of new member in the unit. The unit has national and international collaborations, which will facilitate the development of their translational research activities with *in vitro*, animal and human studies, and will benefit from access to academic technological facilities. However, the number of experimental projects appears high with regard to the human resources of the unit.

The last evaluation report mentioned the lack of full-time permanent researchers and recommended external recruitment, which remains a concern.

Finally, the unit is involved in the creation of a future research centre of the faculty of Pharmacy that would be a great opportunity for developing their integrated projects.

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