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# BIOSCAR - Biologie de l'os et du cartilage : régulations et ciblage thérapeutique

Rapport Hcéres

► **To cite this version:**

Rapport d'évaluation d'une entité de recherche. BIOSCAR - Biologie de l'os et du cartilage : régulations et ciblage thérapeutique. 2018, Université Paris Diderot - Paris 7, Institut national de la santé et de la recherche médicale - INSERM. hceres-02031322

**HAL Id: hceres-02031322**

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Submitted on 20 Feb 2019

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## REPORT ON THE RESEARCH UNIT:

Bone and Cartilage Biology: regulations and  
therapeutical targeting (BIOSCAR)

## 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>:

Franz Jakob, 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>	Bone and Cartilage Biology: regulations and therapeutical targeting
<b>Unit acronym:</b>	BIOSCAR
<b>Requested label:</b>	
<b>Application type:</b>	Renewal
<b>Current number:</b>	U1132
<b>Head of the unit (2017-2018):</b>	Ms Martine COHEN-SOLAL
<b>Project leader (2019-2023):</b>	Ms Martine COHEN-SOLAL
<b>Number of themes:</b>	2

## COMMITTEE MEMBERS

**Chair:** Mr Franz JAKOB, University of Wuerzburg, Germany

**Experts:** Mr Seiamak BAHRAM, CHRU Strasbourg (representative of Inserm CSS)  
Ms Véronique BREUIL, CHU Nice (representative of CNU)  
Mr Matthieu REFREGIERS, Synchrotron Soleil (supporting personnel)

**HCERES scientific officer:**

Mr Jean-Paul LALLÈS

**Representatives of supervising institutions and bodies:**

Mr Raymond BAZIN, Inserm

Ms Laurence LOMME, Inserm

Mr Matthieu RESCHE-RIGON, Université Paris Diderot

## INTRODUCTION

### HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

BIOSCAR is a young unit created in 2014 by INSERM (U1132) and Paris-Diderot University. It is situated directly in the hospital Lariboisière, close to the rheumatology department.

### MANAGEMENT TEAM

BIOSCAR unit is led by Ms Martine COHEN-SOLAL.

### HCERES NOMENCLATURE

SVE5-1.

### SCIENTIFIC DOMAIN

The unit develops cutting-edge translational and fundamental research in severe bone and joint diseases. Its main interests are: i) bone fragility in osteoporosis and bone tumours, and ii) joint related diseases and notably osteoarthritis and microcrystals diseases.

### UNIT WORKFORCE

Unit workforce	Number 30/06/2017	Number 01/01/2019
<b>Permanent staff</b>		
Full professors and similar positions	7	9
Assistant professors and similar positions	1	1
Full time research directors (Directeurs de recherche) and similar positions	1	1
Full time research associates (Chargés de recherche) and similar positions	2	2
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)	8	9
<b>TOTAL permanent staff</b>	<b>20</b>	<b>22</b>
<b>Non-permanent staff</b>		
Non-permanent professors and associate professors, including emeritus	2	
Non-permanent full time scientists, including emeritus, post-docs	12	
Non-permanent supporting personnel	1	

PhD Students	9	
<b>TOTAL non-permanent staff</b>	<b>21</b>	
<b>TOTAL unit</b>	<b>41</b>	

## GLOBAL ASSESSMENT OF THE UNIT

Based in the hospital, BIOSCAR main strategy is to link basic science and translational clinical research. Both the interest in the mutual interaction between bone and joints and between clinical needs and basic science renders this unit somehow unique in the European scenery of musculoskeletal research, and also worldwide. The Unit has been completely restructured since its last evaluation without any loss in scientific strength and publication output, which are both rated excellent. Not only has it published in highest ranked journals of bone and joint research, but also in highly ranked journals beyond this field. Its translational activity yielded highly ranked clinical papers as well as publication of guidelines and *ad-hoc* clinical recommendations for patient care. Scientists of the unit serve in editorial boards of esteemed journals and in advisory and program boards of national and international scientific societies. The unit is strongly involved in international research networks and also very active in teaching and education programs. The visibility of the unit is excellent both at the national and international levels, and it is steadily increasing. The future potential of this Unit is rated very high.

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