

## REPORT ON THE RESEARCH UNIT:

Laboratory of Microbial Biodiversity and  
Biotechnology (LBBM)

## UNDER THE SUPERVISION OF THE FOLLOWING INSTITUTIONS AND RESEARCH BODIES:

Université Pierre et Marie Curie

Centre National de la Recherche Scientifique -  
CNRS

**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>:

Alan Dobson, 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>	Laboratory of Microbial Biodiversity and Biotechnology
<b>Unit acronym:</b>	LBBM
<b>Requested label:</b>	USR
<b>Application type:</b>	Renewal
<b>Current number:</b>	USR 3579
<b>Head of the unit (2017-2018):</b>	Mr Marcelino SUZUKI
<b>Project leader (2019-2023):</b>	Mr Marcelino SUZUKI
<b>Number of themes:</b>	3

## COMMITTEE MEMBERS

<b>Chair:</b>	Mr Alan DOBSON, University College Cork, Ireland
<b>Experts:</b>	Ms Isabelle BIHANNIC, Université de Lorraine (supporting personnel) Mr Alexis DUFRESNE, Université de Rennes Mr Ludwig JARDILLER, Université Paris-Sud (representative of CNU) Mr Téléphore SIME-NGANDO, Université de Clermont-Ferrand (representative of CoNRS)
<b>HCERES scientific officer:</b>	Mr Yvan LAGADEUC
<b>Representatives of supervising institutions and bodies:</b>	Mr Sylvain LAMARE , CNRS Ms Anne LE SEACH, UPMC

## INTRODUCTION

### HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

Founded in 2014 the LBBM is a joint University Pierre and Marie Curie (UPMC) and CNRS/ "Institut Écologie et Environnement", research and service unit, dedicated to advancing the field of environmental microbiology and biochemistry, with a particular focus on aquatic microorganisms, while responding to major societal challenges in the human and environmental health areas. It originated from the reorganisation in 2010 of the "Laboratoire d'Océanographie Biologique de Banyuls", following some strategic recruitment and in 2014 became the LBBM, following an internal restructuring and the development of a close relationship with personnel from the University of Perpignan Via Domitia (UPVD).

The unit is located in two distinct sites, one in the "Observatoire Oceanologique" in Banyuls sur Mer and the other on the UPVD campus. The Banyuls facility is currently being reconfigured with additional space being added in the second half of 2017, to house new dedicated laboratories managed by the LBBM in 2018.

### MANAGEMENT TEAM

Unit Head: Marcelion T Suzuki.

Deputy Head: Muriel Bourrain.

### HCERES NOMENCLATURE

SVE1 Agronomie, Biologie Végétale, Écologie, Environnement, Évolution.

### SCIENTIFIC DOMAIN

Marine Microbial Biodiversity, Marine Microbial Ecology, Environmental Biotechnology.

### UNIT WORKFORCE

Unit workforce	Number 30/06/2017	Number 01/01/2019
<b>Permanent staff</b>		
Full professors and similar positions	6	4
Assistant professors and similar positions	6	6
Full time research directors (Directeurs de recherche) and similar positions	0	0
Full time research associates (Chargés de recherche) and similar positions	1	1
Other scientists ("Conservateurs, cadres scientifiques des EPIC, fondations, industries, etc.")	1	1
High school teachers	0	0

Supporting personnel (ITAs, BIATSSs and others, notably of EPICs)	9	8
<b>TOTAL permanent staff</b>	<b>23</b>	<b>20</b>
<b>Non-permanent staff</b>		
Non-permanent professors and associate professors, including emeritus	0	
Non-permanent full time scientists, including emeritus, post-docs	2	
Non-permanent supporting personnel	7	
PhD Students	11	
<b>TOTAL non-permanent staff</b>	<b>20</b>	
<b>TOTAL unit</b>		
	<b>43</b>	

## GLOBAL ASSESSMENT OF THE UNIT

The LBBM is an excellent, dynamic unit that conducts multidisciplinary research with both a fundamental and an industrial focus, in a synergistic fashion. Their research focus lies at the interface of environment and health and has clear societal benefits. It is funded through local and European, public and private sources and the unit has access to very high quality technical expertise and infrastructure. The LBBM is ambitious at the international level and has a promising future in the field of environmental microbiology. While focusing on the microbial ecology of aquatic environments and the role of biotic and abiotic factors on ecosystem functioning, they also strive to exploit the biotechnological potential of their research outputs. In this respect the LBBM has an outstanding record of fruitful collaborative industrial projects. The LBBM provides students with the possibility to acquire unique competences and high quality professional profiles in areas of environmental research, preparing them for careers in both the academic and private sectors. The integration of the BAE team from Perpignan, will add further dynamism to the unit and additional complementary competencies in the development of diagnostic tools with various biotechnological applications.

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