LCBPT - Laboratoire de chimie et biochimie pharmacologiques et toxicologiques

Rapport Hcéres

Research evaluation

REPORT ON THE RESEARCH UNIT:

Department of chemistry and biochemistry (LCBPT)

UNDER THE SUPERVISION OF THE FOLLOWING INSTITUTIONS AND RESEARCH BODIES:

Université Paris Descartes

Centre national de la recherche scientifique - CNRS

EVALUATION CAMPAIGN 2017-2018

GROUP D

In the name of Hcéres[1]:

Michel Cosnard, President

In the name of the experts committee[2]:

Alan Harvey, Chairman of the committee

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

[1] The president of Hcéres "countersigns the evaluation reports set up by the experts committees and signed by their chairman." (Article 8, paragraph 5);

[2] The evaluation reports "are signed by the chairman of the experts 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

Unit name:	Department of chemistry and biochemistry
Unit acronym:	LCBPT
Requested label:	UMR
Application type:	Renewal
Current number:	8601
Head of the unit (2017-2018):	Ms Marie-Agnès SARI
Project leader (2019-2023):	Mr Laurent MICOUIN
Number of teams:	Currently 10 teams and 4 in the project

COMMITTEE MEMBERS

Chair:	Mr Alan HARVEY, Strathclyde University, United Kingdom
Experts:	Ms Claire BEAUVINEAU, Institut Curie
	Mr Jean-Claude BELOEIL, CNRS
	Ms Évelyne BENOIT, CNRS
	Ms Johanna CHLUBA, université de Bourgogne (representative of CNU)
	Mr Michal HOCEK, Academy of Sciences of the Czech Republic, Czech Republic
	Mr Pierre-Yves RENARD, université de Rouen (representative of CoNRS)
	Mr Gerard ROELFES, Faculty of Science and Engineering, The Netherlands
HCERES scientific officer:	
	Mr Georges MASSIOT
Representatives of supervising institutions and bodies:	
	Mr Erick DUFOURC, INC CNRS
	Mr Stephano MARULLO, université Paris Descartes

INTRODUCTION

HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

The Laboratory of Chemistry and Biochemistry Pharmacological and Toxicological (LCBPT) was created in 1984. It is located in the university of Paris Descartes at the "Centre Universitaire des Saints Pères" (CUSP), Faculty of Biomedical Sciences, 45 rue des Saints Pères, 75006 Paris, where it extends over 2 360 m^2 (first floor: 1 750 m^2, second floor: 610 m^2). The LCBPT was directed by Mr Daniel MANSUY until 2006, then by Ms Isabelle ARTAUD from 2006 to 2014, then by Ms Francine ACHER from 2014 until February 2016,

MANAGEMENT TEAM

Since February 2016, the unit is directed by Ms Marie-Agnes SARI (Paris Descartes), with Mr Laurent MICOUIN as deputy director.

HCERES NOMENCLATURE

ST4: chemistry.

SCIENTIFIC DOMAIN

The unit conducts research in chemistry that interfaces with life sciences. Topics include the design and synthesis of chemical probes for use in studies on biochemical and molecular processes, and medicinal chemistry directed at finding leads to new medicines in several therapeutic areas including inflammation, infections and cancer.

UNIT WORKFORCE

Unit workforce	Number 30/06/2017	Number 01/01/2019
Permanent staff		
Full professors and similar positions	6	7
Assistant professors and similar positions	13	13
Full time research directors (Directeurs de recherche) and similar positions	7	7
Full time research associates (Chargés de recherche) and similar positions	7	7
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)	17	16
TOTAL permanent staff	**50**	**50**
Non-permanent staff		
Non-permanent professors and associate professors, including emeritus	2	

Non-permanent full time scientists, including emeritus, post-docs	2	
Non-permanent supporting personnel	5	
PhD Students	21	
TOTAL non-permanent staff	**30**	
TOTAL unit	**80**	

GLOBAL ASSESSMENT OF THE UNIT

The LCBPT conducts chemical research of relevance to the life sciences : synthesis of heterocyclic compounds, RNA analogues, organometallic chemistry and supramolecular chemistry. The unit's research extends into drug metabolism, drug delivery, and drug design directed at therapeutic targets relevant to infectious and immune diseases, cancer, and some neurological disorders. The unit has ten research teams, each of which has a very strong output of papers in appropriate journals, with some excellent articles in very high impact journals. The current team structure implies that too many topics are being covered by too few staff to achieve a truly competitive international position, and the unit will merge the actual teams into four teams with a more focused portfolio of projects that can benefit from the complementary expertise of the unit's scientists, engineers and technicians. By defining explicit goals for each of the new teams, focusing on important topics where the teams can expect to have high scientific and/or societal impact, and making use of existing and new national and international collaborations, the unit can expect to enhance its ability to engage with industry, secure more national and international funding, and create an even stronger scientific output in the next five years.

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2 rue Albert Einstein
75013 Paris, France
T. 33 (0)1 55 55 60 10