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CDC - Cell biology and cancer

Rapport Hcéres

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REPORT ON THE RESEARCH UNIT:

Compartimentation et dynamique cellulaires
(CDC)

UNDER THE SUPERVISION OF THE FOLLOWING INSTITUTIONS AND RESEARCH BODIES:

Institut Curie

Centre National de la Recherche Scientifique -
CNRS

Université Pierre et Marie Curie

EVALUATION CAMPAIGN 2017-2018
GROUP D



In the name of Hcéres¹:

Michel Cosnard, President

In the name of the expert committee²:

Bernard Ducommun, 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 expert committees and signed by their chairman." (Article 8, paragraph 5);

² 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

Unit name:	Compartmentation et dynamique cellulaires
Unit acronym:	CDC
Requested label:	UMR
Application type:	Renewal
Current number:	UMR 144
Head of the unit (2017-2018):	Mr Bruno GOUD
Project leader (2019-2023):	Mr Franck PEREZ
Number of teams:	13 teams

COMMITTEE MEMBERS

Chair:	Mr Bernard DUCOMMUN, Université de Toulouse
Experts:	Ms Corinne ALBIGES-ROZO, Institut Albert Bonniot (representative of CoNRS)
	Mr Philippe BASTIENS, Max Planck Institute, Germany
	Mr Jean-Paul BORG, Centre de Recherche en Cancérologie, Marseille
	Mr Julien CAU, Institut de Génétique Humaine, Montpellier (supporting personnel)
	Ms Cécile GAUTHIER-ROUVIERE, Centre de Recherche en Biologie Cellulaire, Montpellier
	Ms Gillian GRIFFITHS, Cambridge Institute for Medical Research, United Kingdom
	Mr Roland LEBORGNE, Institut de Génétique et de Développement, Rennes
	Mr Jonathon PINES, The Gurdon Institute, United Kingdom
	Mr Éric SOLARY, Institut Gustave Roussy, Villejuif
	Mr Michel STEINMETZ, Paul Scherrer Institute, Switzerland
	Mr Thomas SURREY, The Francis Crick Institute, United Kingdom
HCERES scientific officer:	Ms Urszula HIBNER

Representatives of supervising institutions and bodies:

Ms Geneviève ALMOUZNI, Institut Curie

Mr Hervé MOREAU, CNRS

Ms Frédérique PERRONNET, Université Pierre et Marie Curie

INTRODUCTION

HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

The UMR 144 "Subcellular structure and cellular dynamics" was created in 1995 as a joint research unit with Institut Curie, CNRS and University Pierre et Marie Curie (UPMC U Paris 6). It was renewed on January 1st, 1999, 2003, 2007, and 2011. It is located 12 rue Lhomond in Bâtiment Lhomond, which is one of the Institut Curie research buildings on the montagne Ste Geneviève in the close vicinity of the Curie Hospital.

MANAGEMENT TEAM

The current director is Bruno GOUD (DRCE, CNRS). From January 2019 Franck PEREZ (DR1, CNRS) will head the unit assisted by a deputy director Renata BASTO (DR2, CNRS).

HCERES NOMENCLATURE

SVE_1, SVE2_2, SVE2_3.

SCIENTIFIC DOMAIN

The 14 teams currently hosted at the UMR 144 are conducting research that covers various aspects of cell biology and cancer cell biology, including intracellular transport, cytoskeletal dynamics, cell division and migration, cell differentiation, morphogenesis, and cell signaling. The general scientific objective of these teams is to understand the biogenesis of cell compartments, the molecular mechanisms that control normal cell functions and their dysregulation, in particular in cancerogenesis.

The unit is part of the scientific domain entitled "Multiscale physics-biology-chemistry and cancer" of the Curie Institute, together with two other units: UMR 168 (Maxime Dahan) and UMR 366 (Ludger Johannes), that has been organized to facilitate and strenghten robust scientific interactions between the teams. The UMR 144 is also part of the Laboratory d'Excellence (LABEX) CellTisPhyBio coordinated by B. Goud and M. Dahan.

With the aim to clarify the scientific identity, the management proposes to rename the research unit as: Cell Biology and Cancer".

UNIT WORKFORCE

Unit workforce	Number 30/06/2017	Number 01/01/2019
Permanent staff		
Full professors and similar positions	2	2
Assistant professors and similar positions	1	1
Full time research directors (Directeurs de recherche) and similar positions	14	14
Full time research associates (Chargés de recherche) and similar positions	15	15
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)	27	33

TOTAL permanent staff	59	65
Non-permanent staff		
Non-permanent professors and associate professors, including emeritus	0	
Non-permanent full time scientists, including emeritus, post-docs	38	
Non-permanent supporting personnel	22	
PhD Students	39	
TOTAL non-permanent staff	99	
TOTAL unit	158	

GLOBAL ASSESSMENT OF THE UNIT

The UMR 144 is an outstanding unit where modern cutting-edge cell biology is conducted with brio. With a remarkable interdisciplinary panel of specialists, the unit carries out highly original research at the forefront of their fields.

The excellence of the recent recruits and the internationally recognized outstanding quality of the established groups, together with a remarkable technological environment (imaging and antibody core facilities) make the UMR 144 a very attractive and unique place with high national and international visibility.

The unit is very successful in attracting grants from major French and international funding agencies, and funding from industrial bodies. Two groups received an ERC starting grant, one an ERC consolidator and one an ERC advanced grant.

UMR 144 has an exceptional scientific production with 370 publications, one third in journals with impact factors above 9 (*Nature Cell Biol.*, *Science*, *Cell rep.*, *Nature Commun*, *Curr Biol.*, *PNAS*, *Sci. Transl. Med.*). The Unit has a major international reputation and is attractive for students and post-docs.

The future research plan and strategy are outstanding, with all the ingredients to succeed in producing results and publications of major impact.

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Evaluation of clusters of higher education and research institutions
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