Génétique du diabète

Rapport Hcéres

Research evaluation

REPORT ON THE RESEARCH UNIT:

DIAbetes GEnetics, Monogenic and Multifactorial (DIAGEMM)

UNDER THE SUPERVISION OF THE FOLLOWING INSTITUTIONS AND RESEARCH BODIES:

Université Paris Diderot

Institut national de la santé et de la recherche médicale - Inserm

EVALUATION CAMPAIGN 2017-2018

GROUP D

In the name of Hcéres[1]:

Michel Cosnard, President

In the name of the expert committee[2]:

Romeo Ricci, 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:	DIAbetes GEnetics, Monogenic and Multifactorial
Unit acronym:	DIAGEMM
Requested label:	UMR
Application type:	Renewal
Current number:	UMR-S 958
Head of the unit (2017-2018):	Ms Cécile JULIER
Project leader (2019-2023):	Ms Cécile JULIER
Number of teams:	1

COMMITTEE MEMBERS

Chair:	Mr Romeo RICCI, Université de Strasbourg
Experts:	Mr Christian DINA, Université de Nantes (supporting personnel)
	Ms Anne-Marie PRET, Université Paris-Saclay (representative of CNU)
	Mr Gaetan PREVOST, Hôpital Charles Nicolle CHU Rouen
	Ms Christel THAUVIN, Hôpital d'enfants, CHU Dijon Bourgogne (representative of Inserm CSS)
Hcéres scientific officer:	
	Mr Carsten JANKE
Representatives of supervising institutions and bodies:	
	Ms Laurence LOMME, Inserm
	Mr Max RADJKUMAR, Inserm
	Mr Jean-Damien RICARD, Université Paris 7
	Ms Sylvie ROUSSET, Université Paris 7
	Ms Catherine NGUYEN, Inserm

INTRODUCTION

HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

The single team unit "Genetics of Diabetes" (UMR-S958) originates from the former Inserm and Pasteur Institute unit "Genetics of autoimmune and infectious diseases" (U730, director C Julier) within the Pasteur Institute. In 2007, the director of the unit left the Pasteur Institute with the aim of focusing her research entirely on the genetics of diabetes. Her unit was initially hosted at the Centre National de Génotypage (CNG)/Institut de Génomique/CEA in Evry (director Mark Lathrop then Jean-François Deleuze). In 2009, the new unit, UMR-S958, was created following an AERES evaluation. The unit was entirely reconstructed at the Medical School of University Paris Diderot at the Lariboisière/Villemin site in Paris in 2011 and was renewed in 2014. Discussions about integration of the unit into a new diabetes unit in Paris are ongoing.

MANAGEMENT TEAM

Ms Cécile JULIER (director).

HCÉRES NOMENCLATURE

SVE2_2; SVE5_1.

SCIENTIFIC DOMAIN

The current unit focuses on links between clinical and genetic aspects of diabetes, in particular in the context of juvenile onset diabetes (JOD) including type 1 and monogenic forms of diabetes.

UNIT WORKFORCE

Unit workforce	Number 30/06/2017	Number 01/01/2019
Permanent staff		
Full professors and similar positions	1	1
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	0	0
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)	6	5
TOTAL permanent staff	**9**	**8**

Non-permanent staff		
Non-permanent professors and associate professors, including emeritus	0	
Non-permanent full time scientists, including emeritus, post-docs	1	
Non-permanent supporting personnel	1	
PhD Students	1	
TOTAL non-permanent staff	**3**	
TOTAL unit	**12**	

GLOBAL ASSESSMENT OF THE UNIT

The main scientific interest of the unit "Genetics of Diabetes" (UMR-S958) is to understand the genetic basis of juvenile onset diabetes (JOD) including type 1 diabetes (T1D) and rare forms of monogenic diabetes. Focusing on more defined subpopulations enriched in monogenic diabetes and implementing data from larger cohorts from international consortia, the team has been able to identify new genes associated with beta cell failure in the context of JOD. In the future, the team mainly aims at understanding mechanisms as to how these genes impact on beta cell health and to apply innovative methods based on their own software tools with the goal to extend discovery of new genes in this context.

The unit constitutes a small but well-organized research team with clearly defined scientific tasks for each member clearly allowing for interdisciplinary research efforts. Moreover, several national and international collaborations have been successfully implemented in the past. The unit is also a founding member of the International T1D genetics consortium (T1DGC) aiming at uncovering a comprehensive genetic basis of T1D. The unit was productive in terms of publications especially in light of the size of the unit, while the technology transfer of their findings was not yet sufficiently explored. The participation of unit members to undergraduate training and University teaching is exemplary, while the supervision of PhD students requires consolidation in the future. The unit made some basic investments in public outreach of their research activity, to be improved in the future.

Overall, the unit has established an internationally competitive research programme with much potential that will, however, require further consolidation in terms of its visibility and integration.

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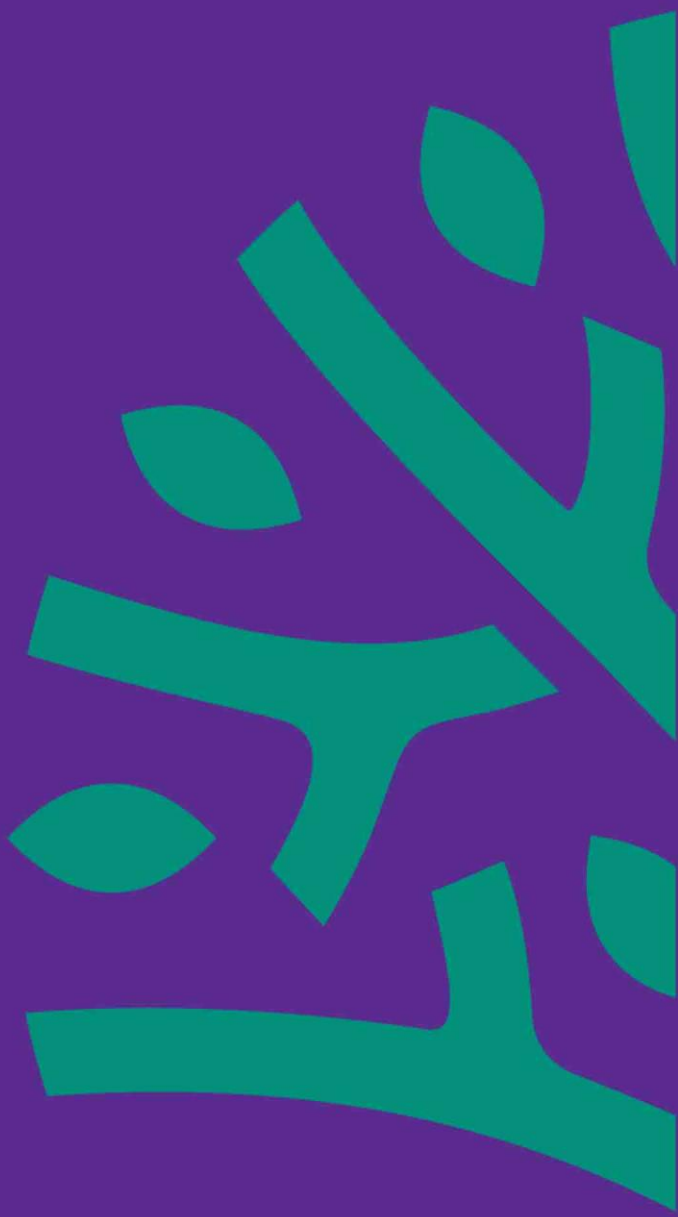

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