

FINAL RESUME ON THE RESEARCH UNIT:
Diseases and Hormones of the Nervous System

UNDER THE SUPERVISION OF THE
FOLLOWING INSTITUTIONS AND
RESEARCH BODIES:

Université Paris-Sud

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

EVALUATION CAMPAIGN 2018-2019
GROUP E



In the name of Hcéres¹:

Michel Cosnard, President

In the name of the experts committee²:

Luis Miguel Garcia Segura, 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).

Tables in this document were filled with data provided by laboratories and supervising bodies in the unit's application and in the Excel files "Données du contrat en cours" and "Données du prochain contrat".

UNIT PRESENTATION

Unit name:	Diseases and Hormones of the Nervous System
Unit acronym:	
Requested label:	UMR
Application type:	Renewal
Current number:	1195
Head of the unit (2018-2019):	Mr Michael SCHUMACHER
Project leader (2020-2024):	Mr Michael SCHUMACHER
Number of teams and/or themes:	4

EXPERTS COMMITTEE MEMBERS

Chair:	Mr Luis Miguel GARCIA SEGURA, Cajal Institute, Spain
Experts:	Ms Isabelle BRUNET, Collège de France (representative of Inserm CSS) Ms Gilliane CHADEF, Institut du thorax (supporting personnel) Mr Alberto FERRUS, Cajal Institute, Spain Mr Ayikoe Guy MENSAH-NYAGAN, Université de Strasbourg (representative of CNU)

HCÉRES REPRESENTATIVE

Mr Joël EYER

REPRESENTATIVES OF SUPERVISING INSTITUTIONS AND BODIES

Mr Étienne AUGE, Université Paris-Sud
Mr Étienne HIRSCH, Inserm
Ms Laurence PARMENTIER, Inserm
Mr Didier SAMUEL, Université Paris-Sud

INTRODUCTION

HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

The Research Unit U1195 "Diseases and hormones of the nervous system" results of the merging in April 2018 of the previous Inserm Units, U1195 "Neuroprotective, neuroregenerative and remyelinating small molecules" and U1169 "Gene therapies, epigenetics in neurology, endocrinology, cardiology and child development". The current U1195 is located, at the "Gregory Pincus" building of the Bicêtre Hospital campus.

MANAGEMENT TEAM

Unit head: Mr Michael Schumacher

HCÉRES NOMENCLATURE

SV4-1 Neurology/ Neurobiology

SCIENTIFIC DOMAIN

Neuroprotection, neuroregeneration and physiopathological mechanisms in the nervous system.

UNIT WORKFORCE

	Unit workforce	
	Diseases and hormones of the nervous system	
Active staff	Number 30/06/2018	Number 01/01/2020
Full professors and similar positions	11	10
Assistant professors and similar positions	5	5
Full time research directors (Directeurs de recherche) and similar positions	3	3
Full time research associates (Chargés de recherche) and similar positions	5	5
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)	15	14
Permanent staff	43*	40*
Non-permanent professors and associate professors, including emeritus	3	

Non-permanent full time scientists, including emeritus, post-docs	8	
<i>PhD Students</i>	15	
Non-permanent supporting personnel	4	
Non-permanent staff	30	
Total	73**	40

*By adding 4 (2018) or 3 (2020) common service technical personnel (secretaries + dish cleaning)

** By subtracting 2 because 2 permanent IE are doing a thesis at the same time

GLOBAL ASSESSMENT OF THE UNIT

The Research Unit U1195 is aimed to develop new therapeutic strategies for the treatment of brain pathologies and the regeneration of peripheral nerves. The unit focuses, and has made relevant contributions, on the mechanisms of neuroprotective and pro-myelination actions of neurosteroids and the Sonic hedgehog (Shh) signalling pathway; the use of AAV-mediate gene therapy for the treatment of nervous system pathologies; the use of siRNA and small molecules for the treatment of peripheral neuropathies and the genetic bases of human diseases of the nervous system. The unit's scientific approach is sustained by innovative questions and by current state-of-the-art technology supported by well-equipped laboratories. The scientific quality, in terms of publications, attractiveness and appeal, is very good. The unit has also a prominent training activity through the key participation in the Doctoral school "Biosigne" of University Paris-Saclay and has contributed to the creation and management of a degree at University Paris-Sud (Diplôme Universitaire) entitled "Translational Research and Therapeutic Innovation for Diseases of the Nervous System". The unit provides their PhD students with training through research of excellent quality, maintains excellent interactions with the non-academic world and shows a successful integration of basic and clinical research personnel.

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