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## **i-CLeHS - Institute of chemistry for life and health sciences**

Rapport Hcéres

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Research evaluation

REPORT ON THE RESEARCH UNIT:  
Institute of Chemistry for Life and Health  
Sciences (i-CLHeS)

UNDER THE SUPERVISION OF THE  
FOLLOWING INSTITUTIONS AND  
RESEARCH BODIES:

Chimie Paristech

Centre National de la Recherche Scientifique -  
CNRS

**EVALUATION 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>:

Vincenzo Barone, 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>	Institute of Chemistry for Life and Health Sciences
<b>Unit acronym:</b>	i-CLHeS
<b>Requested label:</b>	UMR
<b>Application type:</b>	Restructuration
<b>Current number:</b>	8247
<b>Head of the unit (2017-2018):</b>	Mr Michel MORTIER
<b>Project leader (2019-2023):</b>	Mr Carlo ADAMO
<b>Number of teams or themes:</b>	4

## COMMITTEE MEMBERS

<b>Chair:</b>	Mr Vincenzo BARONE, SNS, Italy
<b>Experts:</b>	Mr Valentine ANANIKOV, Russian Academy of Sciences, Russia Mr Jean-François HALET, CNRS, université de Rennes 1 Mr Emmanuel MAGNIER, CNRS, université de Versailles Saint-Quentin (representative of CoNRS) Mr Michel PERDICAKIS, CNRS, université de Lorraine (supporting personnel) Ms Sabine SZUNERITS, université de Lille (representative of CNU)
<b>HCERES scientific officer:</b>	Mr Georges MASSIOT
<b>Representatives of supervising institutions and bodies:</b>	Mr Erick DUFOURC, Mr Bruno Bujoli, CNRS Mr Christian LERMINIAUX, Chimie ParisTech Mr Michel TATOULIAN, Chimie ParisTech

## INTRODUCTION

### HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

The institute, located at Chimie ParisTech, will be constituted by 4 teams geographically close to each other (same building), namely the "Catalysis, Synthesis of Biomolecules and Sustainable Development team" (hereafter CSB2D), the "Theoretical Chemistry and Modeling team" (hereafter TCM), the "Inorganic Chemical Biology team" (hereafter ICB) and the "Synthesis, Electrochemistry, Imaging & Analytical Systems for Diagnosis team" (hereafter SEISAD).

From 2012 to 2014, the CSB2D team was part of the "Charles Friedel Laboratory" (UMR CNRS/ENSCP) created in 2008 and led by Mr A. VESSIERES and V. VIDAL as deputy director. In 2014, the CSB2D team joined a new laboratory led by Mr M. MORTIER called "Institut de Recherche de Chimie Paris" (IRCP) that included 9 others teams.

The TCM team was involved, from 2012 to 2014, in the "Laboratoire d'Électrochimie, Chimie des Interfaces et Modélisation pour l'Énergie" (LECIME, UMR CNRS/ENSCP) led by Mr M. CASSIR. Then the team joined the "Institut de Recherche de Chimie Paris" (UMR 8749) at its creation in 2014.

The IBC team is a newly-created team founded as "équipe d'accueil" upon the arrival of Mr Gilles GASSER at Chimie ParisTech in october 2016 from the university of Zurich.

The SEISAD team was created in 2006 within the unit called "Unité de Pharmacologie Chimique et Génétique et d'Imagerie" (UPCGI, CNRS/INSERM/Chimie ParisTech/université Paris Descartes) directed by Mr Daniel SCHERMAN. This team was located at Chimie ParisTech from that time until now. The present configuration of the team raised in 2011 when Mr Fethi BEDIoui became the leader and when Ms Anne VARENNE joined the team. In 2014 the unit became "Unité de Technologies Chimiques et Biologiques pour la Santé" (UTCBS), consolidating its present configuration.

### MANAGEMENT TEAM

The team will be directed by Mr Carlo ADAMO and assisted by Mr Gilles GASSER.

### HCERES NOMENCLATURE

ST4: chemistry.

### SCIENTIFIC DOMAIN

The research topics of the future unit will be centred on chemistry for life sciences and health with competences in organic synthesis, computational, analytical and physical chemistry and chemical biology.

### UNIT WORKFORCE

Unit workforce	Number 30/06/2017	Number 01/01/2019
<b>Permanent staff</b>		
Full professors and similar positions	4	3
Assistant professors and similar positions	10	9
Full time research directors (Directeurs de recherche) and similar positions	4	3
Full time research associates (Chargés de recherche) and similar positions	6	4

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)	4	3
<b>TOTAL permanent staff</b>	<b>28</b>	<b>22</b>
<b>Non-permanent staff</b>		
Non-permanent professors and associate professors, including emeritus	2	
Non-permanent full time scientists, including emeritus, post-docs	0	
Non-permanent supporting personnel	0	
PhD Students	30	
<b>TOTAL non-permanent staff</b>	<b>32</b>	
<b>TOTAL unit</b>		
	<b>60</b>	

## GLOBAL ASSESSMENT OF THE UNIT

The proposed unit, named Institute of Chemistry for Life and Health Sciences (i-CLHeS), aims to become a high-performing research institute with high national and international visibility at the interface between Chemistry and Life and Health Sciences. If successful, it will surely widen the visibility and the role of Chimie ParisTech from the already established field of energy and material sciences to life and health sciences. The four teams involved in the project are complementary and of high scientific level and discussions with several team members indicate a convinced sharing of the new ambitious project. As a consequence, all the premises seem to be set for a successful establishment of a competitive unit. It is, of course, impossible at this stage to judge results, but only state that the first objectives are well defined and, provided that the new director, has the possibility to incentive by different means collaborative projects and integration. The previous expertise and high scientific level of the director are strongly reassuring in this connection. The success will rely on specific human (especially administrative and technical) and financial resources which must be gradually devoted to this project.

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