

FINAL RESUME ON THE RESEARCH UNIT:
Institute of Molecular and
Supramolecular Chemistry and
Biochemistry – ICBMS

UNDER THE SUPERVISION OF THE
FOLLOWING INSTITUTIONS AND
RESEARCH BODIES:

Université Claude Bernard Lyon 1 – UCBL
Institut national des sciences appliquées
de Lyon

École supérieure de chimie physique
électronique de Lyon

Centre national de la recherche
scientifique – CNRS

EVALUATION CAMPAIGN 2019-2020
GROUP A



In the name of Hcéres¹:

Nelly Dupin, Acting
President

In the name of the experts committee²:

David Aitken, 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 submitted by the supervising body on behalf the unit.

UNIT PRESENTATION

Unit name:	Institute of Molecular and Supramolecular Chemistry and Biochemistry
Unit acronym:	ICBMS
Current label and N°:	UMR 5246
ID RNSR:	200711911W
Application type:	Renewal
Head of the unit (2019-2020):	Mr Olivier Piva
Project leader (2021-2025):	Mr Olivier Piva
Number of teams and/or themes:	11 teams

EXPERTS COMMITTEE MEMBERS

Chair:	Mr David Aitken, Université Paris-Sud
Experts:	Ms Tatiana Besset, CNRS Mont Saint-Aignan Mr Mickael Capron, Université de Lille Ms Mirjam Czejek, CNRS Roscoff Ms Laurence Grimaud, École Normale Supérieure Paris (représentante du CoNRS) Mr Samir Messaoudi, CNRS Châtenay-Malabry Mr Guillaume Prestat, Université de Paris (représentant du CNU) Mr Jean-Louis Schmitt, CNRS Strasbourg Ms Anne Varenne, Chimie ParisTech

HCÉRES REPRESENTATIVE

Mr Éric Defrancq

REPRESENTATIVES OF SUPERVISING BODIES

Ms Marie-Christine Baietto, Institut national des sciences appliquées de Lyon
Mr Claude de Bellefon, École supérieure de chimie physique électronique de Lyon
Mr Erick Dufourc, CNRS, Institut de Chimie
Mr Frédéric Faure, CNRS Délégation régionale
Ms Marie-France Joubert, Université Claude Bernard Lyon 1

INTRODUCTION

HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

The "Institut de Chimie et de Biochimie Moléculaires et Supramoléculaires" (Institute of Molecular and Supramolecular Chemistry and Biochemistry) (ICBMS) was created in 2007 through the merger of two CNRS-labelled university research laboratories: UMR 5181 "Méthodologie de Synthèse et Molécules Bioactives" and UMR 5013 "Enzymes, Membranes Biologiques et Biomimétiques". ICBMS has two main supervisory bodies: the University of Lyon 1 and the CNRS (label UMR 5246), and two secondary supervisory bodies: INSA-Lyon and CPE Lyon. The unit reports to both the INC (National Institute of Chemistry) and the INSB (National Institute of Biological Sciences) of the CNRS and hosts researchers from sections 12 (INC), 20 and 28 (INSB). University teacher-researchers report to sections 32 and 64 of the CNU (National Council of Universities).

The unit is located on the LyonTech-La Doua campus in Villeurbanne. In the last five years, major reorganization of this site has been carried out. Since 2018, six of the ten ICBMS teams occupy the new purpose-built Lederer Building, while the other four teams occupy the nearby Raulin Building which has undergone a long-term refurbishment program, completed in 2019.

MANAGEMENT TEAM

Director: Mr Olivier Piva
Deputy Director: Mr Christophe Marquette
Administrative and Financial Director: Ms Sybil Caraboeuf

HCÉRES NOMENCLATURE

ST4: Chemistry.

THEMATICS

The scientific research of the ICBMS unit covers several areas of chemistry and biochemistry. The activities are mainly of an experimental nature but are completed by theoretical studies. The areas of activity include the development of synthetic methodologies, notably in the context of sustainable development, for the preparation and transformation of organic molecules and biomolecules; studies of self-assembly phenomena and the supramolecular chemistry of biomolecules; enzyme function, the biochemistry of membranes and mimicry thereof; medicinal chemistry.

UNIT WORKFORCE

Institute of Molecular and Supramolecular Chemistry and Biochemistry (ICBMS)		
Active staff	Number 06/30/2019	Number 01/01/2021
Full professors and similar positions	17	16
Assistant professors and similar positions	30	28
Full time research directors (Directeurs de recherche) and similar positions	6	6
Full time research associates (Chargés de recherche) and similar positions	8	7
Other scientists ("Conservateurs, cadres scientifiques des EPIC, fondations, industries, etc.")	0	
High school teachers	0	
Supporting personnel (ITAs, BIATSSs and others, notably of EPICs)	22	18

Permanent staff	83	75
Non-permanent professors and associate professors, including emeritus	1	NA
Non-permanent full time scientists, including emeritus, post-docs (except PhD students)	7	NA
PhD Students	43	NA
Non-permanent supporting personnel	65	NA
Non-permanent staff	116	NA
Total	199	75

GLOBAL ASSESSMENT OF THE UNIT

The ICBMS unit's scientific production is of a very high quality in all the areas covered by its research activities. The unit's governing bodies are fully supportive and its appeal has resulted in the recruitment and successful integration of early-stage researchers and confirmed PIs. Academic research benefits from an extensive portfolio of local and national grants, while industrial collaborations are heterogeneously distributed between the unit's teams and generate less resources than public funding. Doctoral training is of a very high quality in all areas; the publication track record from doctoral research is very good and the professional integration of PhD graduates is excellent. The relocation of the unit's teams to new or renovated buildings has been successful. The prospects for the next contract are excellent, with a strong management team, numerous and pertinent research projects, and the integration of a new research group. The proposed coordination of research activities around four cross-team axes is attractive and should facilitate inter-disciplinary collaborations within the unit, strengthen relations between chemists and biochemists and foster new ambitious research projects.

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