

Anna PROUST, French, Born March 1967, Divorced, 2 children, Full Professor (PRCE 2)

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<https://ipcm.fr/index.php/en/en-research/en-presentation-e-pom-group/en-e-pom-group-members/en-anna-proust/>

Sorbonne Université, Institut Parisien de Chimie Moléculaire, UMR CNRS 8232 - Equipe Edifices

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Education

- Dec 1992 **PhD thesis** “A novel example of functionalization of polyoxometalates: oxo-nitrosyl complexes”
(Supervisor Prof. P. Gouzerh) UPMC, Paris, France
- 1990 Agrégation de Sciences Physiques, option Chimie (rank 2) French national highest competitive selection
of chemistry teachers
- 1987 - 1991 **Fellow of the Ecole Normale Supérieure (Paris)** the most competitive French “Grandes Ecoles”,
undergraduate studies

Professional Experience

- 2000 - **Full Professor at the Université Pierre et Marie Curie then Sorbonne University (SU)**
- March 1999 **Habilitation** on “*Functionalized polyoxometalates: new soluble oxides for the development of
interactive bipolar systems*”, UPMC
- 1993 - 2000 Assistant and Associate Professor at UPMC
- Feb - Aug 1993 **Post-doctoral fellow** in Prof. Dr. A. Müller group at Bielefeld University, Germany

Memberships and distinctions

- 2025-** **Elected member of the European Academy of Sciences**
- 2022** Distinguished member of the French Chemical Society
- 2020** **Prize of the French Academy of Sciences (State Prize)**
- 2019- 2021 Member of the Editorial Advisory Board of Inorganic Chemistry
- 2011- 2019 Member of the International Advisory Board of the European Journal of Inorganic Chemistry
- 1997-** **Research and doctoral supervision bonus**
- 2007-2012** **Junior Member of the Institut Universitaire de France (IUF).**
- 1999** **Prize of the Division of Coordination Chemistry of the French Chemical Society**

Main Institutional responsibilities – Teaching and Research management

- 2023 and 2024** **Director of the Institut Parisien de Chimie Moléculaire** (about 100 permanent staff members)
- Oct 2017 – 2022** **Vice-Director of the Institut Parisien de Chimie Moléculaire** (Director Pr L. Fensterbank)
- May 2011- June 2018** **Director of the Doctoral School of Molecular Chemistry**

- 2005-2011 Elected member of various Councils of the Faculty of Chemistry
- 2005-08 Head of the Department of Inorganic Chemistry
- 2005-06 Chair of the Teaching Council of the Faculty of Chemistry
- 2001-04 Chair of the Committee for the recruitment of academic staff (section 32)
- 2000-05 Chair of the Teaching Department of Inorganic Chemistry

Commissions of trust

- 2016- 2021** **Vice-Chair then Chair (elected) of the Coordination Chemistry Division of the French Chemical
Society**
- 2008-2015** Elected member of the **National Council of the Universities** (CNU 32nd section) which manages the careers
of academic teachers.

I have regularly been invited as an external panel member for staff recruitment by various French universities. I have also been an expert to the Ministry of Higher Education and Research (evaluation of research bonus applications, PEDR then PES), and to the Agency/Council for Evaluation of Research and Higher Education (AERES then HCERES, six evaluations of laboratories, one as chair of the committee). At the international level, I have reviewed proposals for the Research Foundation Flanders, the Swiss NSF, the Leverhulme Trust (UK) and the ERC (starting and consolidator), and have acted as an external referee for promotion to associate professors abroad. I very regularly serve as a reviewer for ACS, RSC, Wiley, Nature

Publishing group (Inorg. Chem., J. Am. Chem. Soc., Appl Mat. and Interfaces, ACS Catalysis, Organometallics, Angew. Chem. Int. Ed., Chemistry a Eur. J., EurJIC, Chem. Commun., Chemical Science, Nature ...)

Scientific activity, collaborations, scientific animation

Since January 2005, I have been leading the research group "Polyoxometalates" (11 permanent people, 7 of which working on POMs). I have directly supervised **20 PhD theses and 2 are in progress** (others are under the supervision of my direct collaborators). I have also hosted 11 post-doctoral researchers. I have been member of the jury examination of 67 PhD (16 abroad, in UK, Spain, Italy, Germany and Israël) and 16 Habilitation theses (1 habilitation in Germany). My research activities are rooted in inorganic molecular chemistry, whose many facets and interfaces with other disciplines I defend across a broad spectrum ranging from organic chemistry to materials chemistry and physical chemistry, both in a personal capacity, as Vice-President and then President of the Coordination Chemistry Division of the French Chemical Society and as Chair of the International Research Network "Polyoxometalates-smart molecular oxides" funded by the CNRS to maintain the European leadership in POM chemistry and sustain the trend towards more applied domains.

Along my scientific career, I have developed a number of **national** (about 18 groups) **and international collaborations** (about 12 groups in the US, Italy, Swiss, Netherlands, Ireland, Canada, Chile, Spain and in Singapore), where I bring my expertise with POMs and POM hybrids to develop controlled functional architectures.

Keywords: molecular inorganic chemistry – polyoxometalates – molecular oxides – organic-inorganic hybrids – nitrogenous ligands – organometallic oxides – electron transfer – solar energy conversion - molecular electronics – surface modification

180 Publications (h = 45, 2025) 32/8 invited conferences at international/national congresses, 23/17 invitations in foreign/French universities, co-author of about 64 oral communications at international congresses or workshops and 36 at national congresses

At the university level, from 2010 to 2024, I have been involved in the animation of the Laboratory of Excellence (LabEx) MiChem, as a member of its executive committee (2018-2021) and then as a member of the steering committee of the initiative Molecular Sciences and Engineering (2021-2024).

At the international level, I was a founding member of the **COST action Polyoxometalate Chemistry for Molecular Nanoscience (PoCheMoN COST Action CM1203, Chair Pr J. Errington, UK 2012-2016)**, I was coordinator of the Working Group 2 "Hybrid POMs for electronics". With the end of the COST action, I, as Chair, have submitted to the **CNRS an International Research Network (IRN) project "Polyoxometalates: smart molecular oxides" (Smart POMs)**, whose goal is to further sustain the European POM research area. It has been funded for 5 years (2019-2023).



Organization of conferences and symposia

March 2014, 247th ACS National Meeting, Dallas: co-organiser of the Symposium Nanotechnology for Energy and Environmental Science; July 12-15 2014, Maffliers, France: 3rd Frontiers in Metal-Oxide Cluster Science, FMOCS 2014, Chair of the organization board and scientific board (133 participants); July 6-9 2015, Lille, France: National Congress of the French Chemical Society SCF'15, member of the scientific committee, co-chair for theme 2 (Bio-inspired chemistry for energy); July 3-8 2016, Brest, France: 42th International Conference on Coordination Chemistry, ICC 2016, member of the national advisory board; September 11-15 2016, Seville, Spain: 6thEuCheMS Chemistry Congress, Convenor Topic C1 "Synthesis and reactivity in Metal based Compounds"; September 2-3 2021, Paris, in person meeting of the CNRS IRN Smart POMs (56 participants, 6 countries); September 23-24 2021, Paris in person meeting of the Inorganic Chemistry Division of the SCF (95 participants), Chair of the organization and scientific committees; June 13-15 2022, La Rochelle, France, organizer of the **European summer school on polyoxometalates** POMbasics in the framework of the CNRS IRN Smart POMs (55 participants among which 10 trainers, from 7 countries); October 20-21 2023 Mini POM symposium Sym@Pa (in the framework of the CNRS IRN Smart POMs, 45 participants) chair of the organization committee.