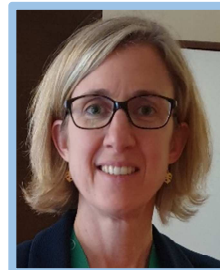


# Sophie HERMANS



## POSITIONS

- Since 1/10/2020 **Directrice de Recherches F.N.R.S and Professeur Extraordinaire** at UCLouvain, IMCN Institute, Belgium.
- 1/10/2015 – 30/09/2020 **Maître de Recherches F.N.R.S and Full Professor** at UCL / IMCN.
- 1/10/2005 – 30/09/2015 **Chercheur Qualifié F.N.R.S. and Full Professor since 2014** at Catholic University of Louvain (UCL), Chemistry Department/ IMCN Institute.
- 1/10/2002 – 30/09/2005 **Chargée de recherches F.N.R.S., UCL, Chemistry Department.**
- 1/10/2000 – 30/09/2002 **Rosalind Franklin Research Fellow**, Newnham College, Cambridge University, UK.
- 1997-2001 **Ph.D. in Chemistry, University of Cambridge, United Kingdom:** “Mixed-metal clusters as precursors for bimetallic supported nanoparticle catalysts” - Supervisor: Prof. B. F. G. Johnson.

## PRIZES AND AWARDS

- 2004 **Young Scientist Prize** of the *International Association of Catalysis Societies (IACS)*.
- 2001 **Best Presentation Award** at the *Nanotechnology in Catalysis Symposium*, 221<sup>st</sup> ACS National Meeting, San Diego, USA.
- 2000 **Prize for “outstanding work in precious metal research”**, delivered by the International Precious Metals Institute.
- 1997 Ph.D. Funding: **Marie Curie Fellowship** (European Commission TMR Programme).

## KEY RESEARCH PROJECTS

- Fonds de la Recherche Fondamentale Collective (FRFC)** (2010-2014) : « Catalyseurs hétérogènes supportés sur formes nanoscopiques de carbone ou oxydes inorganiques : applications catalytiques en hydrogénation et oxydation sélectives », n°2.4.574.10 ; 194 400 €
- Action de Recherches Concertées (ARC)**, 2012-2017: Project title: “A simple route to smart hierarchical nanocomposites for nanosecond signal control - NANO4WAVES”, 700 000 €
- M-ERA.NET European Project** (2017-2020) – “Nanovectors engineered for plasma enhanced theranostics in regenerative medicine - PNANO4BONE” with partners from Luxembourg (coord.), Spain and Poland; 1.126.822 € total funding for consortium.
- Région Bruxelloise (RB) - Projet BRIDGE - Innoviris** (01/07/2019 → 30/06/2021) « Color Responsive Platform technology (COLORES) » with partners from VUB: 1.411.066 €
- EOS – The Excellence of Science** (2022-2025) “Mastering metal-PHOSphonate properties in PORE-size engineered catalysts for bio-refinery processes” EOS ID 40007504 - 3 652 996 €

## SCIENTIFIC IMPACT

- 138** publications in peer-reviewed international journals (**h-index = 28**); **2** book chapters; **5** book volumes as scientific editor; **Bibliography in Institutional Repository (DIAL):**  
[https://dial.uclouvain.be/pr/boreal/en/search/site/hermans%2C%20sophie?f%5B0%5D=sm\\_creator%3AHermans%2C%20Sophie](https://dial.uclouvain.be/pr/boreal/en/search/site/hermans%2C%20sophie?f%5B0%5D=sm_creator%3AHermans%2C%20Sophie)
- URL Google Scholar:** <http://scholar.google.be/citations?user=inQ2UQAAAAJ>
- 45** presentations at conferences and symposia (**21 orals**) and **9 invited seminars**; **80** presentations at conferences and symposia by Ph.D students/co-authors (**33 orals (2 prize-winner)**, **1 invited plenary lecture**, **1 keynote lecture**)
- (Co-)supervisor of **24 Ph.D thesis (18 finished)**, **7 postdocs**, **42 Master2 theses (at UCL)**, **12 trainees from Institut Paul Lambin**, **5 Erasmus intern students (mobility ‘in’)**, **3 (foreign) visiting researchers**.
- PhD Jury Member at UCL, ULB, ULIEGE and abroad; Member of organizing committee for « PREPA » conferences in LLN; Scientific Committee Member for 6WCOC in 2009 in Lille and EuropaCat 2019 at Aachen; External reviewer for the NWO (Dutch Research Council); Expert for National Science Center (Poland); Member of FWO Scientific Commission (2019-2021); Elected VPR (Vice-Présidente Recherche) for IMCN Institute, UCLouvain (2015-2021); Member of the Solvay Local Scientific Committee for Chemistry, International Solvay Institutes, Brussels (appointed by Board of Directors, 2016-now).