

Dr. Sophie Carencó

Researcher at CNRS | Nano-chemistry in Paris, France



Personal Information

Nationality: French
sophie.carencó[at]sorbonne-universite.fr

Sorbonne Université – CNRS,
4 Place Jussieu, 75252 Paris Cedex 05, FRANCE
Website <https://sophiecarencó.cnrs.fr>

Research Experience

- 2014 – Researcher at CNRS, working at Sorbonne Université / Collège de France in the *Laboratoire de Chimie de la Matière Condensée de Paris* (LCMCP), Paris, FR.
- 2014 (jan-sep) Temporary position of Maître de conférence associée at Collège de France, Paris, FR.
- 2012 – 2013 Post-doc. at Lawrence Berkeley National Lab, California, USA. Group of Pr. Salmeron.

Education

- 2019 (feb.) HDR (habilitation) from Sorbonne Université, Paris.
- 2011 PhD in Chemistry of Materials at Sorbonne Université and Ecole Polytechnique, Palaiseau, FR. Topic: Metal phosphide nanoparticles from white phosphorus: catalysts & Li-battery. Supervisors: Pr. C. Sanchez, Dr. N. Mézailles.
- 2008 Master of Sciences and Technology – Molecular Chemistry. Ecole Polytechnique, Palaiseau.
- 2007 Bachelor of Science, Ecole Polytechnique, Palaiseau, FR.

Awards and Fellowships

- 2020 Junior Distinguished Member of *Société Chimique de France*
- 2020 *Clara Immerwahr Award* from Unisyscat, consortium of labs in Berlin area, Germany.
- 2019 Member of the *Global Young Academy*, selective multidisciplinary&international network.
- 2018 Bronze Medal from CNRS (highest CNRS award at my level of career)
- 2018 *Jean Rist Medal* from SF2M (the French Society of Materials and Metallurgy).
- 2018 *Young Researcher Award* in Phys. Chem. from French Societies of Chemistry & Physics
- 2017 ERC Starting Grant for project NanoFLP, starting in January 2018.
- 2014 Fellowship of L'Oreal-UNESCO Foundation as a post-doc.
- 2012 National PhD thesis award from C'Nano research network
- 2010 European Young Chemist Award – Gold Medal as PhD student

Publications and Conferences

Since 2008, I published 1 book chapter and 49 peer-reviewed articles and reviews in major international journals. Corresponding author of 21 articles. Topics: Metal phosphides, oxysulfides, carbides, alloy and core-shell nanoparticles; operando spectroscopies; core and surface reactivity of nanoparticles.

Invited lectures: SUM2020, EuCheMS 2018 (keynote), CIMTEC 2018, SOLEIL@UPMC User meeting 2015, SCF'15 2015 (keynote), Sol-gel Meeting 2014. +7 additional lectures at Chemistry Departments in FR and USA.

Institutional Responsibilities

- 2018 – Member of the French Council for Scientific Integrity (12 nominated members).
- 2018 – 2019 Elected member at the Academic Council of Sorbonne Université.
- 2017 – 2019 Member of the organizing committee of IUPAC19, held in Paris in July 2019.
- 2017 – 2018 Member of the organizing committee of SCF'18, national chemistry conference.
- 2017 – 2019 Founding member&Board Member of the *International Younger Chemists Network* (IYCN).
- 2017 – 2019 Board Member of RJ-SCF at national level.
- 2015 – 2019 Founding member and Vice-president of the Île de France section of RJ-SCF.
- 2014 – 2019 Organizer of the Invited Chemistry Seminar Series at Collège de France.