

Dr. Grégory NOCTON

Researcher, associate professor

French, 38 years old, married, two children

Laboratoire de Chimie Moléculaire

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PRESENT POSITION

- 2011 - CNRS Researcher (CRCN) – Institut of Chemistry**
Laboratoire de Chimie Moléculaire (UMR 9168) - Ecole polytechnique, France
Member of the executive office (2020-)
- 2017 - Associate professor** at Ecole polytechnique
Co-chair of the Chemistry and interface programm (M1/3A) (2018-), member of the department of chemistry executive office (2018-), Sustainable development referent for the department (2019-), Bio-sourced and bio-fuels referent for IP Paris (2021-)

EDUCATION

- 2016 Habilitation**, University of Paris-Sud, France.
- 2009-2011 Postdoctoral fellow** - Lawrence Berkeley National Laboratory / UC Berkeley
Prof. Richard A. Andersen (UC Berkeley)
- 2009 Ph.D. in Inorganic Chemistry**, University of Grenoble, France.
CEA Grenoble / Laboratoire de Chimie Inorganique et Biologique
Prof. Marinella Mazzanti
- 2006 Master of Science (Inorganic Chemistry)**, University of Grenoble, France
Prof. Marinella Mazzanti
- 2005** Master Visiting student, Technische Universität München, Germany
Prof. Dr. F. H. Kohler
- 2005 Maîtrise (Bachelor) of Chemistry**, University of Reims-Champagne, France.
Prof. Françoise Chuburu

FELLOWSHIP AND AWARDS

- 2021 Coordination Chemistry Division Junior Award**, French Chemical Society
- 2016 Bronze Medal of CNRS**
- 2013** Best Talk Award (French Chemical Society, Coordination Chemistry Division, Lyon)
- 2009** Best Talk Award (French Chemical Society, Coordination Chemistry Division, Reims)
- 2008** Best Poster Award from the Graduate School in chemistry
- 2006** Student Research Scholarship from the German-French Youth Office
- 2005** Travel Grant from Champagne-Ardenne County, Research Grant from DAAD

RESEARCH GRANTS

- 2021-2023** Member of the consortium, national research grant, Defense Innovation Agency; 240 k€
- 2019-2024** **Coordination** of the national research grant *RelaxMax* (3 partners; 405 k€)
- 2017-2022** **ERC Starting Grant**, *LanAsCat*, 1.5 M€
- 2015-2019** **Coordination** of the national research grant *RedivaLan* (3 partners; 450 k€)
- 2013-2017** Member of the consortium for the national research grant *PSalenOx* (200 k€)

TEACHING ACTIVITIES

- 2017 -** **Associate professor** at Ecole polytechnique (77h/year): *Nuclear Magnetic Resonance (NMR), group theory, atmospheric chemistry (M1), and supramolecular chemistry with biological and environmental applications (M2)*
- 2012-2017** **Lecturer**, Ecole polytechnique (between 50 and 90 h/year)
- 2006- 2009** **Teaching assistant**, University of Grenoble, France (64/year)

RESEARCH ACTIVITIES

- Supervision of **7 PhD students, 4 post-doc fellows** (75 months); 16 master students (6 M2, 10 M1), and 9 undergraduate students
- **51 articles** in international reviews (6 *J. Am. Chem. Soc.*, 6 *Angew. Chem. Int. Ed.*, 8 *Inorg. Chem.*, 7 *Organometallics*, 6 *Chem. Eur. J.*, 4 *Chem. Commun.*, 1 *Chem. Sci.*, 1 *Inorg. Chem. Front.*) (24% first author, 61 % corresponding author, 45 % last author)
- **1 published book chapter**, 3 chapters in production.
- **3 outreach articles** and 5 outreach presentations
- **20 oral presentations** in international conferences, including **7 invited**
- **27 invited seminars** and workshops (11 international)
- **12 poster presentations** (7 international conferences, 5 Gordon Research Conferences)
- Web of science Researcher ID: D-T-8107-2019; <https://orcid.org/0000-0003-0599-1176>
- **H-index: 21**, average of 26.8 citations / article

ORGANIZATION OF SCIENTIFIC MEETINGS

- 2021** Member of the organization committee of the international Chemistry Summer School on f-elements CS²fE – September 2021
- 2021** **Co-organization** of the ACS F. Albert Cotton Award 2021 symposium (ACS Meeting)
- 2020-** Member of the organization committee of the f-element regular webinar « Angular Momentum » (12 seminars) <https://twitter.com/felementangular>
- 2020** **Coordination** of the organization for the workshop “Metallic complexes and physical chemistry”, Université Paris-Saclay, France
- 2014** Member of the organization committee for the workshop “Crystallography”, Ecole polytechnique
- 2015** **Coordination** of the organization for the workshop “Rare-earth elements”, Ecole polytechnique

INSTITUTIONAL RESPONSABILITIES

- 2021-** **Bio-sourced and bio-fuels referent** for IP Paris
- 2021-** Member of the executive office – *Laboratoire de Chimie Moléculaire* - Ecole polytechnique
- 2019-** Member of the sustainable development’s working group - Ecole polytechnique
- 2018-** Member of the department of chemistry executive office – Ecole polytechnique
- 2018-** **Co-chair** of the Chemistry and Interfaces academic program (M1) – Ecole polytechnique
- 2017-2021** Member of the committee for the attribution of reserch bonuses (PEDR) *Section 14 of the CNRS (National)*
- 2016-** Member of the scientific board of the X-Ray diffraction platform, Ecole polytechnique
- 2013-2016** Internal Seminar Organizer, LCM, Ecole polytechnique.
- 2012-2021** In charge of the NMR facility (LCM, 2 Instruments)
- 2012-2016** In charge of the single crystal X-ray diffraction service, Ecole polytechnique

REVIEWING ACTIVITIES

- 2015-** Regular reviewer for ANR, DOE and DFG national grants
2014 Member of the recruiting committee, X-ray diffraction junior engineer, CNRS
2015 Member of the recruiting committee, X-ray diffraction senior engineer, Ecole polytechnique
2011- External member of 14 PhD committees and 1 habilitation committee.
2011- Regular Reviewer for *J. Am. Chem. Soc.*, *Angew. Chem.*, *Chem. Sci.*, *Inorg. Chem.*, *Inorg. Chem. Front.*, *Organometallics*, *Chem. Eur. J.*, *Chem. Commun.* *Dalton Trans.*

MEMBERSHIP OF SCIENTIFIC SOCIETIES

- 2021-** **Founder of the Center for Rare Earth and Actinides Research**
French scientific association in creation, 32 associated research teams
2015 Member of the French research network and association "Magnetism and magnetic commutation"
2012-2015 Member of the European research network "f-block chemistry" (COST-1006)
2009- Member of the American Chemical Society (ACS)
2006- Member of the French Society of Chemistry (SCF)

MAJOR ON-GOING COLLABORATIONS

- Prof. Henry La Pierre, **Georgia Tech, Atlanta, USA**, *Uranium and transuranic f-organometallics*
- Prof. Corinna Hess, **Technische Universität München, Germany**, *Heterometallic complexes for small molecules activation*
- Prof. Peter Roesky, **Karlsruhe Institute of Technology, Germany**, *The chemistry of the cyclononatetraenyl ligand with f-elements*
- Prof. Jeffrey Rinehart, **UC San Diego, USA**, *Single-Molecules Magnets with organolanthanides*
- Prof. Moreno Lelli, **University of Florencia, Italy**, *NMR analysis of paramagnetic organometallics*
- Pr. Olivier Cador, ISCR, **Université de Rennes, CNRS France**, *Single-Molecules Magnets*
- Dr. Boris Le Guennic, ISCR, **Université de Rennes, CNRS France**, *Theoretical calculations on Single-Ion Magnets*
- Dr. Olivier Maury, **ENS Lyon, CNRS, France**, *Optical spectroscopy of lanthanides complexes.*
- Prof. Laurent Maron, **INSA Toulouse, France**, *Theoretical calculations for small molecules activation*
- Dr. Carine Clavaguéra, **Université Paris-Saclay, CNRS, France**, *Theoretical calculations – dynamics of lanthanides complexes.*
- Dr. Grégory Danoun, **Ecole polytechnique, CNRS, France**: *synthesis of new photocatalysts for deshydrogenation reactions*