

## Dr. Grégory NOCTON

### Researcher, associate professor

French, 38 years old, married, two children

Laboratoire de Chimie Moléculaire  
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## PRESENT POSITION

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- 2011 - CNRS Researcher (CRCN) – Institut of Chemistry**  
Laboratoire de Chimie Moléculaire (UMR 9168) - Ecole polytechnique, France  
*Member of the executive office (2021-)*
- 2017 - Associate professor** at Ecole polytechnique  
*Vice-President of the Chemistry department (2022-), Co-chair of the Chemistry and interface programm (M1/3A) (2018-)*

## EDUCATION

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- 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

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- 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

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- 2017-2022 ERC Consolidator Grant**, *PhiBond*, 2 M€
- 2022-2024 Coordination**, *Emerging International Action*, CNRS / University of Arizona; 14 k€
- 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

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- 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

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- Supervision of **8 Ph.D. students, 4 post-doc fellows** (80 months); 16 master students (6 M2, 10 M1), and 9 undergraduate students
- **53 articles** in international reviews (6 *J. Am. Chem. Soc.*, 6 *Angew. Chem. Int. Ed.*, 8 *Inorg. Chem.*, 8 *Organometallics*, 6 *Chem. Eur. J.*, 4 *Chem. Commun.*, 2 *Chem. Sci.*, 1 *Inorg. Chem. Front.*) (23% first author, 62 % corresponding author, 47 % last author)
- **3 published book chapters**, 1 chapter in production.
- **3 outreach articles** and 5 outreach presentations
- **12 invited oral presentations** in conferences (**10 international conferences**)
- **31 invited seminars** and workshops (**12 international**)
- **13 oral presentations** in international conferences
- **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: 22**, average of 29.8 citations / article

## INSTITUTIONAL RESPONSABILITIES

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- 2022- Vice-President** of the Chemistry department – Ecole polytechnique
- 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 research 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

## ORGANIZATION OF SCIENTIFIC MEETINGS

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- 2023 Coordination** of the organization of the GECOM-CONCORD conference, May 2023
- 2023 Member** of the organization committee of the International Conference on f-Elements chemistry ICfE11 – August 2023
- 2022 Coordination** of the kick-off meeting of the Center for Rare Earth and Actinides Research – Ecole polytechnique, May 2022
- 2021-2022 Member** of the organization committee of the International Chemistry Summer School on f-elements CS<sup>2</sup>fE – September 2021, June 2022
- 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

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### REVIEWING ACTIVITIES

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- 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 16 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.*

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### MEMBERSHIP OF SCIENTIFIC SOCIETIES

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- 2021-**      **Founder and president of the Center for Rare Earth and Actinides Research (*felements.fr*)**, French scientific association
- 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)

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### MAJOR ON-GOING COLLABORATIONS

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- 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*