

Grégory Nocton, Ph.D

Laboratoire de Chimie Moléculaire (UMR 9168)
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French, 35 years old, married, two children

Present Position

- 2011 - **CNRS Researcher (CRCN) – Institut of Chemistry**
Laboratoire de Chimie Moléculaire (UMR 9168) - Ecole polytechnique, France
- 2017 - **Associate Professor of Inorganic Chemistry** at Ecole polytechnique
Chemistry and magnetism (M1), group theory (M1), supramolecular chemistry (M2) ; head of the molecular chemistry Master I program (2018), elected member of the department of chemistry executive office (2018)

Education

- 2016 **Habilitation (HDR)**, Université Paris-Sud, Université Paris-Saclay, France
- 2009-2011 **Postdoctoral fellowship at UC Berkeley / Lawrence Berkeley National Laboratory**
Prof. Richard A. Andersen (UC Berkeley)
- 2006-2009 **Ph.D. in Inorganic Chemistry**, University of Grenoble, France.
CEA Grenoble / Laboratoire de Chimie Inorganique et Biologique
Dr. Marinella Mazzanti
- 2004-2006 **Master of Science (Inorganic Chemistry)**
University of Grenoble, France (Dr. Marinella Mazzanti)
Technische Universität München, Germany (Prof. Dr. F. H. Köhler)
University of Reims-Champagne, France (Prof. Françoise Chuburu)
- 2001-2004 **Bachelor of Science**, University of Reims-Champagne, France.

Teaching Experience

- 2017- **Ecole polytechnique – Paris Saclay**: Associate Professor of Inorganic Chemistry (64 h/year)
- 2012-2017 **Ecole polytechnique – Paris Saclay**: Lecturer, Organometallic/Inorganic Chemistry Lab training (80 h/year)
- 2006-2009 **University of Grenoble**: Teaching Assistant (Solution Chemistry, 76h/year)

Distinctions and Grants

- PEDR **2017-2021**: Management and Research bonus from the CNRS
- ERC Starting Grant (**2017-2022**): 1.5 M€, Principal Investigator
- Bronze medal of the CNRS (Young Investigator Award, CNRS) - **2016**
- ANR ReDivaLan (**2015-2018**): 220 k€, coordination of the consortium
- ANR PsalenOx (**2013-2017**): 30 k€; member of the consortium
- Best Talk Award (French Chemical Society, Coordination Chemistry Division, Lyon, February-**2013**)
- Best Talk Award (French Chemical Society, Coordination Chemistry Division, Reims, January-**2009**)
- Best Poster Award from the Graduate School in chemistry (June-2008)
- Master studies Scholarship from the French Office for the Higher Education and Research (2005-2006)
- Student Research Scholarship from the German-French Youth Office (May 2005- August 2005)

Academic Summary

- 43 publications in peers reviewed international journals (6 *J. Am. Chem. Soc.*, 5 *Angew. Chem. Int. Ed.*, 1 *Chem. Sci.*)
- 36 Oral presentations (5 invited and 6 oral talks in international conferences, 19 invited seminars and workshops)
- 11 Poster presentations (6 international conferences, 4 Gordon Research Conferences)
- Science popularization actions (5), and conferences organization (2, one as leader)
- Supervision of 6 PhD students, 2 post-docs, 9 master students and 6 undergraduate students
- Web of science Researcher ID: D-4435-2009, H-index: 17, average of 21.7 citations / article

Peer reviewed articles

43. Xémard, M., Cordier, M., Molton, F., Duboc, C., Le Guennic, B., Maury, O., Cador, O., and **Nocton G.*** *Inorg. Chem.*, **2019**, *58*, 2872-2880.
Divalent Thulium Crown-ether Complexes with Field-Induced Slow Magnetic Relaxation
42. Xémard, M., Zimmer, S., Cordier, M., Goudy, V., Ricard, L., Clavaguéra, C., and **Nocton G.*** *J. Am. Chem. Soc.*, **2018**, *140*, 14443-14449.
Lanthanidocenes: Synthesis, Structure and Bonding of Linear Sandwich Complexes of Lanthanides
41. El Moll, H., Cordier, M., **Nocton G.**, Massuyeau, F., Latouche, C., Martineau-Corcós, C., Perruchas, S* *Inorg. Chem.*, **2018**, *57*, 11761-11769.
A Copper Iodide Nanocluster
40. Goudy, V., Xémard, M., Karleskind, S., Codier, M., Alvarez Lamsfus, C., Maron L, **Nocton, G.*** *Inorganics*, **2018**, *6*, 82.
Phenylacetylene and Carbon Dioxide Activation by an Organometallic Samarium Complex.
39. Cheisson, T., Ricard, L., Heinemann, F. W., Meyer, K.,* Auffrant, A.,* **Nocton, G.*** *Inorg. Chem.*, **2018**, *57*, 9230-9240.
Synthesis and Reactivity of Low-Valent f-Element Iodide Complexes with Neutral Iminophosphorane Ligands.
38. Xémard, M, Cordier, M., , Louyriac, E., Maron, L., Clavaguéra,* C., **Nocton, G.*** *Dalton Trans.*, **2018**, *47*, 9226-9229.
Small molecules activation with divalent samarium triflate: a synergistic effort to cleave O₂.
37. Halbach, R. L., **Nocton, G.*** Booth, C. H., Maron L. and Andersen, R. A.* *Inorg. Chem.*, **2018**, *57*, 7290-7298
Cerium Tetra(tropolonate) and Cerium Tetra(acetylacetonate) are Not Diamagnetic but Temperature-Independent Paramagnets
36. **Nocton G.*** *L'Act. Chim.*, **2017**, 484-490
Degrés d'oxydation métalliques et ligands redox non-innocents: de Charybde en Scylla (Metallic oxidation states and redox non-innocent ligands: between Scylla and Charybdis)
35. Xemard, M.; Goudy, V., Braun, A., Tricoire, M., Cordier, M., Ricard, L., Castro, L., Louyriac, E., Kefalidis, C. E.; Clavaguera, C., Maron, L., **Nocton, G.*** *Organometallics*, **2017**, *36*, 4660-4669
"Reductive Disproportionation of CO₂ with Bulky Divalent Samarium Complexes"
34. Mustieles Marin, I., Cheisson, T., Chauhan, R. S., Herrero, C., Cordier, M., Clavaguéra, C.,* **Nocton G.***, Auffrant A.*, *Chem. Eur. J.*, **2017**, *23*, 17240-17255
"Electronic structure of mono-oxidized copper and nickel phosphasalen complexes"
33. Goudy, V., Jaoul A., Cordier M., Clavaguéra, C., **Nocton G.***, *J. Am. Chem. Soc.*, **2017**, *139*, 10633-10636
"Tuning the stability of Pd(IV) intermediates using a redox non-innocent ligand combined with an organolanthanide fragment"
32. Jaoul A., **Nocton G.***, Clavaguéra C.*, *Chem. Phys. Chem.*, **2017**, *18*, 2688-2696
"Assessment of density functionals for computing thermodynamic properties of lanthanide complexes"
31. Salomon, W., Paille, G., Gomez-Mingot, M., Mialane, P., Marrot, J., **Nocton, G.**, Mellot-Draznieks, C., Fontecave, M., Dolbecq A., *Cryst. Growth Des.*, **2017**, *17*, 1600-1609
"Effect of Cations on the Structure and Electrochemical Response of Polyoxometalate-Based Coordination Polymers"
30. Xémard, M., Jaoul, A., Cordier, M., Molton, F., Cador, O., Le Guennic, B., Duboc, C., Maury, O., Clavaguéra, C., Nocton, G.*, *Angew. Chem. Int. Ed.*, **2017**, *56*, 4266-4271 (back cover)
"Divalent thulium triflate: a structural and spectroscopic study"

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29. Kriegel, B. M., Naested, L. C. E., **Nocton, G.**, Lakshmi, K. V., Lohrey, T. D., Bergman R. G., Arnold J., *Inorg. Chem.*, **2017**, *56*, 1626-1627
“Redox Initiated Reactivity of Dinuclear Niobium Imido Complexes”
28. Jaroschik, F., Momin, A., Martinez, A., Harakat, D., Ricard, L., Le Goff, X.-F., **Nocton, G.***, *Organometallics*, **2016**, *35*, 2032-2038.
“Synthesis and Characterization of 1,1'-diphosphaplumbocenes: oxidative ligand transfer with divalent thulium complexes,
27. Jaoul, A., Clavaguéra C., **Nocton G.***, *New J. Chem.*, **2016**, *8*, 6643-6649.
“Tetramethylbiphosphinine Complexes of Cp*₂Yb and Cp*₂Sm: Solid-State Structure, Solution NMR Spectroscopy and Theoretical Calculations”
26. Cheisson, T., Auffrant, A., **Nocton G.***, *Organometallics*, **2015**, *34*, 5470-5478.
“ η^5 – η^1 Iminophosphoranyl Pincer Ligands: Solid State Structures and Solution NMR $^1J_{Yb-P}$ Coupling Constants”
25. Andrez J., Bozoklu, G., **Nocton, G.**, Pécaut, J., Scopelliti R., Dubois, L., Mazzanti, M., *Chem. Eur. J.*, **2015**, *21*, 15188-15200.
“Lanthanide(II) Complexes Supported by N,O-Donor Tripodal Ligands: Synthesis, Structure and Ligand-Dependent Redox Behavior”,
24. Benito, Q., Le Goff, X., **Nocton, G.**, Fargues, A., Garcia, A., Berhault, A., Kahlal, S., Saillard, J. Y., Martineau, C., Gacoin, T., Boilot, J.-P., Perruchas, S., *Inorg. Chem.*, **2015**, *54*, 4483-4494.
“Geometry Flexibility of Copper Iodide Clusters: Variability in Luminescence Thermochromism”
23. Benito Q., Maurin I., Cheisson T., **Nocton G.**, Fargues A., Garcia A., Martineau C., Gacoin T., Boilot, J.-P., Perruchas S., *Chem. A Eur. J.*, **2015**, *21*, 5892-5897.
“Mechanochromic luminescence of Copper Iodide Clusters”
22. **Nocton G.***, Ricard L., *Chem. Commun.*, **2015**, *51*, 3578-3581.
“Reversible C-C coupling in phenanthroline complexes of divalent samarium and thulium”
21. Gianetti, T.L, **Nocton G.***, Minasian S.G., Kaltsoyannis N., Kilcoyne A.L.D., Kozimor, S.A., Shuh, D.K., Tyliszczak, T., Bergman R.G., Arnold, J., *Chem. Sci.*, **2015**, *6*, 993-1003.
“Electron Localization in a Mixed-valent Dinioabium Benzene Complex”
20. **Nocton G.*** Booth C. H., Maron L., Ricard A., Andersen R. A., *Organometallics*, **2014**, *33*, 6819-6829.
“Carbon-Hydrogen Bond Breaking and Making in the Open-Shell Singlet Molecule, Cp*₂Yb(4,7-Me₂phen)”,
19. Jacquot L., Xémard M., Clavaguéra C., **Nocton G.***, *Organometallics*, **2014**, *33*, 4100-4016.
“Multiple One-electron Transfers in Bipyridine Complexes of Bisphospholyl Thulium”
18. **Nocton G.***, Lukens W. W., Booth C. H., Rozenel S. S., Medling S. A., Maron L. and Andersen R. A., *J. Am. Chem. Soc.*, **2014**, *136*, 8626-8641.
“Reversible Sigma C-C Bond Formation Between Phenanthroline Ligands Activated by (C₅Me₅)₂Yb”
17. Cao T-P-A., **Nocton G.**, Ricard L., Le Goff X. F., Auffrant A., *Angew. Chem. Int. Ed.*, **2014**, *53*, 1368-1372.
“A Phosphasalen Nickel(III) Complex”
16. **Nocton G.*** Ricard L., *Dalton Trans.*, **2014**, *43* (11), 4380-4387.
“N-Aromatic heterocycles adducts of bulky [1,2,4-(Me₃C)C₅H₂]₂Sm: synthesis, structure and solution analysis”
15. **Nocton G.*** Booth C. H., Maron L., Andersen R. A., **2013**, *Organometallics*, *32*, 5305-5312.
“The influence of the Torsion Angle in 3,3'-Dimethyl,2,2'-bipyridine on the Intermediate Valence in (C₅Me₅)₂Yb(3,3'-Me₂-bipy)”,
14. Nicolas E., **Nocton G.***, Mézailles N., *Eur. J. Inorg. Chem.*, **2013**, *22-23*, 4000-4007.
“CO Activation by Diphosphine-Pt(0): Carbonate and Acetone Formation. Experimental and Mechanistic Study”

13. Gianetti, T.L, **Nocton G.**, Minasian S.G., Tomson, N.C., Kilcoyne A.L.D., Kozimor, S.A., Shuh, D.K., Tyliszczak, T., Bergman R.G., Arnold, J., *J. Am. Chem. Soc.* **2013**, *135*, 3224-3236.
“Diniobium Inverted Sandwich Complexes with μ - η^6 : η^6 -arene Ligands: Synthesis, Kinetic of Formation, and Electronic Structure”
12. **Nocton G.**, Booth C. H., Maron L., Andersen R. A., *Organometallics*, **2013**, *32*, 1150-1158.
“Thermal Dihydrogen Elimination from Cp*₂Yb(4,5-Diazafluorene)”
11. Halbach, R. L, **Nocton G.**, Andersen R. A., *Dalton Trans.* **2012**, *41*, 8809-8812.
“Synthesis and X-Ray Structure of Ruthenium bis(acetylacetonate)(N,N,N',N'-tetramethylethylenediamine)”
10. Vitova T., Kvashnina K., **Nocton G.**, Sukharina G., Denecke M. A., Butorin S. M., Mazzanti M., Cacciuffo R., Soldatov A., Behrends T., and Geckeis H., *Phys. Rev. B*, **2010**, *82*.
“High energy resolution X-ray absorption spectroscopy study of uranium in varying valence states”
9. Mougél V., Horeglad P., **Nocton G.**, Pécaut J., Mazzanti M., *Chem. Eur. J.*, **2010**, *16*, 48, 14365-14377.
“Cation-cation Complexes of Pentavalent Uranyl: From Disproportionation Intermediates to Stable Clusters”
8. **Nocton G.**, Pécaut J., Filinchuk Y., Mazzanti M., *Chem. Commun.* **2010**, *46*, 2757-2759.
“Ligand Assisted Cleavage of Uranium Oxo-Clusters”
7. **Nocton G.**, Horeglad P., Vetere V., Pécaut J., Dubois L., Maldivi P., Edelstein N.M., Mazzanti M., *J. Am. Chem. Soc.* **2010**, *132*, 495-508.
“Synthesis, Structure and Bonding of Stable Complexes of Pentavalent Uranyl”
6. Mougél V., Horeglad P., **Nocton G.**, Pécaut J., Mazzanti M., *Angew. Chem. Int. Ed.* **2009**, *48*, 8477-8480. (Inside Cover).
“Stable Pentavalent Uranyl Species and Selective Assembly of a Polymetallic Mixed-Valent Uranyl Complex by Cation-Cation Interactions”
5. **Nocton G.**, Nonat A., Gateau C. and Mazzanti M., *Helvetica Chimica Acta* **2009**, *92*, 2257 (invited issue).
“Water Stability and Luminescence of Lanthanide Complexes of Tripodal Ligands Derived from 1,4,7-triazacyclononane: pyridine carboxamide *versus* picolinate donors”
4. Horeglad P., **Nocton G.**, Filinchuk Y., Pécaut J., Mazzanti M., *Chem. Commun.* **2009**, 1843-1845.
“Pentavalent Uranyl Stabilized by a Dianionic Bulky Tetradentate Ligand”
3. **Nocton G.**, Horeglad P., Pécaut J., Mazzanti M., *J. Am. Chem. Soc.* **2008**, *130*, 16633-16645.
“Polynuclear Cation-Cation Complexes of Pentavalent Uranyl: Relating Stability and Magnetic Properties to Structure”
2. **Nocton G.**, Pécaut J., Mazzanti M., *Angew. Chem. Int. Ed.* **2008**, *47*, 3040-3042 (Inside cover).
“A New Nitrido-Centred Uranium Azido Cluster obtained from a Uranium Azide.”
1. **Nocton G.**, Burdet F., Pécaut J., Mazzanti M., *Angew. Chem. Int. Ed.* **2007**, *43*, 7584.
“Self-Assembly of Polyoxo Clusters and Extended Frameworks by Controlled Hydrolysis of Low Valent Uranium”

Book Chapters

1. Coordination chemistry of actinides, **G. Nocton**, M. Mazzanti; in *The Lanthanides and Actinides: Synthesis, Reactivity, Properties and Applications*, Imperial College Press, London, *in production*.

Oral presentations (conferences)

17. "Fine tuning of the electronic structure of organolanthanides: What influence on their reactivity and physical properties?" (International Conference of f-elements, *Invited Speaker*, Lausanne, Switzerland, September **2018**)
16. "Fine tuning of the electronic structure of organolanthanides: What influence on their reactivity and physical properties?" (International Conference of Coordination Chemistry, *Invited Speaker*, Sendai, Japan, August **2018**)
15. "Lanthanidocenes" (Organometallics Gordon Research Conference, Newport, RI, USA, July **2018**)
14. "The influence of multi-configurational electronic states on the properties and reactivity of organometallics" (Rare Earth Research Conference, *Invited Speaker*, Ames, Iowa, USA, June **2017**)
13. Reactivity of Organolanthanides complexes with redox non-innocent ligands." (International Conference of Coordination Chemistry, *Invited Speaker*, Brest, France, July **2016**)
12. Electron Transfers in Organolanthanides: new heterometallic complexes" (Coordination Chemistry days, Toulouse, France, January **2016**)
11. "Redox Non-Innocent Ligands in Organolanthanides" (International Conference of f-elements, Oxford, UK, September **2015**)
10. "Single Electron Transfer(s) in Organolanthanides" (European f-Element Network Meeting, Lisbon, Portugal, April-**2015**)
9. "Redox Reactions and Single Electron Transfer in Organolanthanides" (GeCom Concord, Vers, France, Mai-**2014**)
8. "Electron Transfer in Lanthanides Complexes: From Electronic Structure to Reactivity" (European f-Element Network Meeting, Dublin, Ireland, April-**2013**)
7. "Electron Transfer in Lanthanides Complexes: From Electronic Structure to Reactivity" (French Chemical Society "Coordination chemistry days": Lyon, France, February-**2013**, best talk award)
6. "N-heterocyclic Amine Complexes of Decamethyltetrabocene: Subtle Perturbations Cause Large Changes in Properties and Reactivity" (Rare Earth Research Conference, Santa Fe, USA, June-**2011**)
5. "Coordination Chemistry of Pentavalent Uranyl: Structure and Magnetism" (International Conference on f-Elements, Cologne, Germany, August-**2009**)
4. "Synthesis, Structure and Bonding of Stable Complexes of Pentavalent Uranyl" ("Coordination chemistry in Rhône-Alpes": Lyon, France, April-**2009**)
- 3 "Synthesis and characterization of polymetallic assemblies of uranium" (French Chemical Society "Coordination chemistry days": Reims, France, January-**2009**, best talk award)
2. "Actinides polynuclear clusters with cation-cation interactions." (ANKA facilities Users Meeting: Karlsruhe, Germany, October-**2008**, *invited speaker*)
1. "Redox and Hydrolysis Reactivity of Low-valent Uranium: Synthesis of Polymetallic Complexes of Uranium" (Rhône-Alpes French Chemical Society's "Spring Days": Grenoble, June-**2008**).

Oral presentations (invited seminars and workshops)

19. "Organolanthanides: molecules with unusual geometries and electronic structures" (University of Sussex, Brighton, UK, December **2018**)
18. "Chimie organométallique des lanthanides et degrés d'oxydation en trompe l'oeil" (*Organolanthanide chemistry and unusual oxidation states*). (Prospectives en chimie, National académie of Science, Paris, January **2018**)
17. "Luminescence of divalent and trivalent organometallic complexes of lanthanides" (Lanthanides luminescence workshop, Lyon, May **2017**)
16. "The influence of multi-configurational electronic states on the properties and reactivity of organometallics" (ETH Zurich, April 25, **2017**)

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15. "The influence of multi-configurational electronic states on the properties and reactivity of organometallics" (Georgia Institute of Technology, March 13, **2017**)
14. "The influence of multi-configurational electronic states on the properties and reactivity of organometallics" (University of Pennsylvania, March 3, **2017**)
13. "NMR at the Ecole polytechnique" (Ecole polytechnique, Palaiseau, February **2017**)
12. "Coordination chemistry of divalent lanthanides: electronic structure and guilty ligands!" (ICMMO, Orsay, January **2017**)
11. "Coordination chemistry of divalent lanthanides: electronic structure and guilty ligands!" (CPE, Lyon, November **2016**)
10. "Coordination chemistry of divalent lanthanides: electronic structure and guilty ligands!" (Laboratoire de Chimie de Coordination, Toulouse, November **2016**)
9. "Charges Transfers in Coordination Complexes of d- and f- metals" (Charge Transfer Workshop, Orsay, May **2016**)
8. "Magnetic Anisotropy in Organolanthanides" (Magnetic Anisotropy Workshop, Rennes, April **2016**)
7. "Redox Non-Innocent Ligands in Organolanthanides" (French Chemical Society Seminar, Reims, April **2016**)
6. "Redox Non-Innocent Ligands in Organolanthanides" (Institute of separation chemistry, Marcoule, April **2016**)
5. "Le diffractomètre à rayons X sur monocristal : l'X-compagnon incontournable du chimiste" (Journée de la cristallographie à l'X, Ecole polytechnique, October, 21st **2014**)
4. "Redox Reactions and Single Electron Transfer in Organolanthanides" (University of Manchester, Manchester, UK, July 22nd **2014**)
3. "Electron Transfer in Low Valent Complexes of f- and d- block: From Electronic Structure to Reactivity" (CEA Saclay, IRAMIS, July 2nd **2013**)
2. "Redox Chemistry of Lanthanides Complexes: From Electronic Structure to Reactivity" (NTU-X Workshop, Singapore, February-**2012**)
1. "Redox Reactivity and Coordination Chemistry of Uranium" (Arnold Lab seminar, UC Berkeley, USA, April-**2010**)

Posters presentations

11. "Divalent Organolanthanides and Their Coordination Compounds: Linear Sandwich Complexes, Single Molecules Magnets, and Pd^{IV} Stabilization" Gordon Research Conference "Organometallics": **2018**, Newport, RI, USA.
10. "Organolanthanides: synthesis, electronic structure, spectroscopy and reactivity" Journées de Chimie de Coordination, 8-9 February, 2018
9. "Unusual electronic structures and reactivity in organolanthanides" Gordon Research Conference "Inorganic Reaction Mechanism": **2017**, Galveston, TX, USA.
8. "Unusual electronic structures and reactivity in organolanthanides" French Chemical Society "Coordination chemistry days": **2017**, Grenoble, France.
7. " Bipyridine Complexes of Thulium Bisphospholyl: A Step Forward in the Sterically Induced Reduction" European f-Element Network Meeting, EufEN-3, Nüremberg, Germany, April-**2014**.
6. " Sterically Induced Reduction in Organolanthanides. Is there any electronic contribution?" French Chemical Society "Coordination chemistry days": **2014**, Rennes, France.
5. "Electron Transfer Reactions in Organolanthanides Complexes." Gordon Research Conference "Inorganic Chemistry", **2013**, Newport, RI, USA
4. "Polymetallic complexes of uranium obtained from controlled oxidation and hydrolysis of low-valent uranium." Gordon Research Conference "Inorganic Chemistry", **2008**, Newport, RI, USA
3. Graduate School Annual presentation, **2008**, Grenoble, France (Best poster award)

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2. "Structural studies of uranium complexes in relation to actinide separation chemistry" Plenary Meeting of ACTINET Network, **2008**, Avignon, France.

1. "Redox chemistry of uranium: a route unusual oxidation state, clusters and extended frameworks." International Karlsruhe Nanoscience Workshop, "Metal Rich Compounds", **2007**, Karlsruhe, Germany.

Science Popularization

5. "La catalyse à la loupe ! Un défi durable pour les chimistes." Tribune, *Le journal des grandes écoles et universités* dossier innovation, levier de développement durable pour la chimie verte (December **2015**).

4. "Maîtriser la chimie, une opportunité contre le réchauffement climatique et la pénurie des énergies fossiles" (Ecole polytechnique, General audience presentation, June, 6th **2015**)

3. "Maîtriser la chimie, une opportunité contre le réchauffement climatique" (Jeudis de l'X, Maison des polytechniciens, Paris, Presentation for scientific journalists, April, 2nd **2015**)

2. "Cristaux de Sucre ou de sel, comment savoir sans les goûter?" (Fête de la Science, november **2014**)

1. "Transformer les gaz atmosphériques polluants, un défi pour les chimistes" (Fête de la Science, scientific debate amination, november **2014**)

Conferences organization

2. Journée scientifique sur la chimie des terres rares, June, 11th **2015** (member of scientific comity and leader of the organization comity)

1. Journée de la cristallographie à l'X, Ecole polytechnique, October, 21st **2014** (member of scientific comity and organization comity)

Teaching

2018- Elected member of the department of chemistry executive council

2018- Responsible for the Master 1 (voie Frédéric Joliot-Curie, Ecole polytechnique @Paris-Saclay)

2017- Ecole polytechnique – Paris Saclay: Associate Professor of Inorganic Chemistry (64 h/year)

Teaching: NMR, Magnetism, EPR, Group theory, IR/Raman, Optical transitions, supramolecular chemistry, Graduate Level (M1 and M2)

2012-2017 Ecole polytechnique – Paris Saclay: Lecturer (44h/year).

2012-2016 Ecole polytechnique: Organometallic/Inorganic Chemistry Lab training (36 h/year)

2006-2009 University of Grenoble: Teaching Assistant (Solution Chemistry, 76h/year)