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PRIZES/DISTINCTIONS

- 2017 Secrétaire du Groupe Français de Photochimie, Photophysique et Photosciences, Division Chimie Physique, Société Chimique de France
2008 Bronze medal CNRS (Physical chemistry); early stage researcher award
2008 Finalist- researcher of the year "Nouvel Economiste" magazine.
2007 European young researcher award (ERC StG)
2005 CERC3 award

RESEARCH INTERESTS:- Current research interests focus upon design and synthesis of inorganic and organic photoactive supramolecular systems involving:- photoinduced electron transfer, electronic energy transfer, molecular recognition/switches/sensors, hydrogen-bonding, photochemical transformations. Systems under investigation include: nanoparticles, lanthanide chelates, transition metal complexes, fullerenes, photochromes, NIR fluorophores. Characterisation of photophysical properties typically reposes on steady-state and dynamic fluorescence spectroscopy, laser flash photolysis and time-correlated single-photon-counting spectrometry.

RESEARCH PROJECTS:- Coordinator of projets with a financement totalling circa. 3 megaEuros (ERC, ANR, Region Aquitaine, C'Nano GSO, GALILEE; PESSOA; CNRS, Idex PEPS; Université Bordeaux I- 2 Bonus Qualité Recherche projects a) Infrastructure; b) Bourse de Thèse, Cap Sciences, Marie-Curie Global IF). Participation in financed projects: Vinci, LabEx, TMR, PICASSO, ANR (FOSET, PET CAT, NO-SynthCell), COST Action (CM1304), Communauté Trans-Pyrénéenne (Aquitaine, Taragonne, Pays-Basque, Midi-Pyrénées), Marsden (New Zealand), France in Australia: 2016 Scientific Mobility programme.

COLLABORATIONS:- Several collaborative projects include partners in Ireland (Dublin), England (Birmingham, Southampton), Spain (Murcia), Italy (Bologna), France (Bordeaux, Grenoble), Portugal (Lisbon), New Zealand (Christchurch), Australia (Sydney), USA (Florida).

EDITORIAL & CONFERENCE ORGANISATION:-

- Editorial Board Member for "Scientific Reports", a multidisciplinary, online-only, open access publication covering all areas of the natural sciences from Nature Publishing Group, the publishers of Nature (IF=5.04).
- Guest editor special issue "Pure & applied chemistry"
- XXVth IUPAC Symposium on Photochemistry, co-chair local organizing committee
- International Conference on Phosphorus, Boron and Silicon 2017 (PBSI2017), Scientific Committee
- Membre du Conseil d'Institut, Institut des Sciences Moléculaires

POSITIONS HELD

- Oct 2013-present Directeur de Recherche au CNRS (UMR 5255)
- 2007-2013 Chargé de Recherche 1^{ère} classe au CNRS, (UMR5255)
- 2003-2007 Chargé de Recherche 2^{ème} classe au CNRS (UMR 5802 ; now UMR 5255)
- Jan 2003-Oct 2003 Chargé de Recherche Associée au CNRS (UMR 5802); working in the framework of a European project entitled "Fulltech: Fullerene Based Self-Assembled Nanotechnology"
- Nov 2001- Dec 2002 Post-doctoral fellowship at the Laboratoire de Chimie Organique et Organométallique, Université de Bordeaux I, developing supramolecular systems incorporating fullerenes and hydrogen-bonding units
- Feb 2000 – Nov 2001 European post-doctoral fellowship in TMR framework "Nanometre-sized metal complexes with predetermined configurations and functions for light-energy conversion"
Università di Messina, Dipartimento di Chimica Inorganica, Chimica Analitica e Chimica Fisica, Laboratorio di Fotochimica, via Sperone 31, I-98166, Messina, Italy. Network coordinator: Professor S. Campagna

EDUCATION/DIPLOMAS

- 2007 *Habilitation à Diriger des Recherches*
Université Bordeaux I, France
- 1996-99 Ph.D. thesis entitled "*Molecular Logic Systems*"
School of chemistry, The Queen's University of Belfast
N. Ireland.
Supervisor: Professor A.P. de Silva.
- 1992-95 B.Sc. Hons. Degree in Chemistry (First Class Honours)
School of Chemistry, The Queen's University of Belfast,
N. Ireland.
Research project: "*Ring-opening olefin metathesis polymerisation reactions*" (supervisor: Prof. J.J. Rooney).

PUBLICATIONS:

- 85 C. Li, S. Novak, S. A. Denisov, N. D. McClenaghan, N. Patel, A. Agarwal, K. Richardson, W. Deng, "Electrospray deposition of quantum dot-doped Ge₂₃Sb₇S₇₀ chalcogenide glass films" *Thin Solid Films*, **2017**, *626*, 194–199.
- 84 A. Tron, I. Pianet, A. Martinez-Cuezva, J. H. R. Tucker, L. Pisciotanni, M. Alajarín, J. Berná, N. D. McClenaghan, "Remote Photoregulated Ring Gliding in a [2]Rotaxane via a Molecular Effector" *Org. Lett.*, **2017**, *19*, 154 –157.
- 83 A. Peyret, E. Ibarboure, A. Tron, L. Beauté, R. Rust, O. Sandre, N. D. McClenaghan, S. Lecommandoux "Polymersome rupture by light-induced osmotic shock under temporal, spatial and spectral control", *Angew. Chem. Int. Ed.*, **2017**, *56*, 1566–1570. (*Hot paper, Inside Back Cover*)
- 82 X. Li, N. Markandeya, G. Jonusauskas, N. D. McClenaghan, V. Maurizot, S. A. Denisov, I. Huc, "Photoinduced electron transfer and hole migration in nanosized helical aromatic oligoamide foldamers" *J. Am. Chem. Soc.* **2016**, *138*, 13568 – 13578.

- 81 R. Beniazza, R. Atkinson, C. Absalon, F. Castet, S. A. Denisov, N. D. McClenaghan, D. Lastécouères, J.-M. Vincent
“Benzophenone vs Copper/Benzophenone in Light-Promoted ATRAs: Highly Effective Iodoperfluoroalkylation of Alkenes/Alkynes and Mechanistic Studies”
Adv. Synth. & Catalysis, **2016**, *358*, 2949 – 2961.
- 80 A. D. Johnson, K. A. Paterson, J. C. Spiteri, S. A. Denisov, G. Jonusauskas, A. Tron, N. D. McClenaghan, D. C. Magri
“Water-soluble naphthalimide-based ‘Pourbaix Sensors’: pH and redox-activated fluorescent AND logic gates based on photoinduced electron transfer”
New J. Chem., **2016**, *40*, 9917 – 9922. (Front Cover Story).
- 79 J. Pérez-Miqueo, A. Altube, E. García-Lecina, A. Tron, N. D. McClenaghan, Z. Freixa
“Photoswitchable azobenzene-appended iridium(III) complexes”
Dalton Trans., **2016**, *45*, 13726 – 13741.
- 78 A. Tron, A. Peyret, J. Thevenot, R. Bofinger, S. Lecommandoux, N. D. McClenaghan
“A Prototype Reversible Polymersome-Stabilized H₂S Photoejector Operating Under Pseudophysiological Conditions”
Org. & Biomol. Chem. **2016**, *14*, 6394 – 6397.
- 77 S. A. Denisov, F. Pinaud, M. Chambaud, V. Lapeyre, B. Catargi, N. Sojic, N. D. McClenaghan, V. Ravaine
“Saccharide-induced modulation of photoluminescence lifetime in microgels”
Phys. Chem. Chem. Phys. **2016**, *18*, 16812 – 16821.
- 76 S. Medina-Rodriguez, S. A. Denisov, Y. Cudré, L. Male, M. Marin-Suarez, A. Fernández-Gutiérrez, J. Fernando Fernández-Sánchez, A. Tron, G. Jonusauskas, N. D. McClenaghan, E. Baranoff
“High performance optical oxygen sensors based on nanostructured films incorporating bichromophoric iridium complexes exhibiting interchromophore energy shuttling”
Analyst, **2016**, *141*, 3090 – 3097.
- 75 S. Denisov, S. Yu, G. Jonusauskas, J.-L. Pozzo, N. D. McClenaghan
“Harnessing Reversible Electronic Energy Transfer : From Molecular Dyads to Molecular Machines”
ChemPhysChem, **2016**, *17*, 1794 – 1804.
- 74 A. Tron, S. Gago, N. D. McClenaghan, A. J. Parola, F. Pina
“A Blue 4',7-Diaminoflavylum Cation Showing an Extended pH Range Stability”
Phys. Chem. Chem. Phys., **2016**, *18*, 8920 – 8925
- 73 S. A. Denisov, Q. Gan, X. Wang, L. Scarpantonio, Y. Ferrand, B. Kauffmann, G. Jonusauskas, I. Huc, N. D. McClenaghan
“Electronic Energy Transfer Modulation in a Dynamic Foldaxane: Proof-of-Principle of a Lifetime-Based Conformation Probe”
Angew. Chem. Int. Ed., **2016**, *55*, 1328 – 1333.
- 72 A. Tron, P. Thornton, B. Kauffmann, J.H.R. Tucker, N. D. McClenaghan
“[2]Rotaxanes comprising a macrocyclic Hamilton receptor obtained using active template synthesis: Synthesis and guest complexation”
Supramol. Chem., **2016**, *28*, 733 – 741.
- 71 M. Isaac, S. A. Denisov, A. Roux, D. Imbert, G. Jonusauskas, N. D. McClenaghan, O. Sènèque
“Lanthanide Luminescence Modulation via Cation-p Interaction in a Bioinspired Scaffold: Selective Detection of Copper(I)”
Angew. Chem. Int. Ed. **2015**, *54*, 11453 – 11456.
- 70 J.-M. Vincent, R. Beniazza, N. Bayo, F. Molton, C. Duboc, S. Massip, N. McClenaghan, D. Lastécouères
“Effective ascorbate-free and photolabile “click” reactions in water using a photoreducible copper(II) ethylenediamine precatalyst”
Beilstein J. Org. Chem., **2015**, *11*, 1950 – 1959.
- 69 V. Lebrun, A. Tron, C. Lebrun, J.-M. Latour, N. D. McClenaghan, O. Sènèque
“Reactivity of a Zn(Cys)₂(His)₂ Zinc Finger with Singlet Oxygen: Oxidation is Directed toward Cysteines but not Histidines”

- Chem. Eur. J.* 2015, 21, 14002 – 14010.
- 68 R. Beniazza, F. Molton, C. Duboc, A. Tron, N. D. McClenaghan, D. Lastécouères, J.-M. Vincent
"Copper(I)-photocatalyzed trifluoromethylation of alkenes"
Chem. Commun., 2015, 51, 9571 – 9574.
- 67 A. Tron, H.-P. Jacquot de Rouville, A. Ducrot, J. H. R. Tucker, M. Baroncini, A. Credi, N. D. McClenaghan
"Photodriven [2]Rotaxane-[2]Catenane Interconversion"
Chem. Commun., 2015, 51, 2810 – 2813. (Special issue)
- 66 B. Doistau, C. Rossi-Gendron, A. Tron, N. D. McClenaghan, L.-M. Chamoreau, V. Marvaud, B. Hasenknopf, G. Vives
"Switchable Platinum-based Tweezers with Pt-Pt Bonding and Selective Luminescence Quenching"
Dalton Trans., 2015, 44, 8543 – 8551. (Special issue)
- 65 A. Tron, M. Rocher, P.J. Thornton, J.H.R. Tucker, N. D. McClenaghan
"Supramolecular architectures incorporating hydrogen-bonding barbiturate receptors"
Asian J. Org. Chem., 2015, 4, 192 – 202. (Special issue: Molecular Devices and Machines. "Featured article").
- 64 A. Tron, P. J. Thornton, C. Lincheneau, J.-P. Desvergne, N. Spencer, J. H. R. Tucker, N. D. McClenaghan
"Reversible Photocapture of a [2]Rotaxane Harnessing a Barbiturate Template"
J. Org. Chem. 2015, 80, 988 – 996.
- 63 B. Doistau, A. Tron, S. A. Denisov, G. Jonusauskas, N. D. McClenaghan, G. Gontard, V. Marvaud, B. Hasenknopf, G. Vives
"Terpy(Pt-salphen)₂ Switchable Luminescent Molecular Tweezers"
Chem. Eur. J. 2014, 20, 15799 – 15807.
- 62 R. Beniazza, R. Lambert, L. Harmand, F. Molton, C. Duboc, S. Denisov, G. Jonusauskas, N. D. McClenaghan, D. Lastécouères, J.-M. Vincent
"Sunlight Driven Photoreduction of a Copper(II)-DMEDA Complex: In situ Formation of a Highly Reactive and Switchable Copper(I) Click Catalyst"
Chem. Eur. J. 2014, 20, 13181 – 13187. ("Hot paper")
- 61 V. Lebrun, A. Tron, L. Scarpantonio, C. Lebrun, J.-L. Ravanat, J.-M. Latour, N. D. McClenaghan, O. Sénèque
"Efficient Oxidation and Destabilization of Zn(Cys)₄ Zinc Fingers by Singlet Oxygen"
Angew. Chem. Int. Ed. 2014, 53, 9365 – 9368.
- 60 P. Batat, C. Grauby-Heywang, S. Selektor, D. Silantyeva, V. Arslanov, N. McClenaghan, G. Jonusauskas
"Artificial ionic- and photosensitive membranes based on an amphiphilic aza-crown substituted hemicyanine"
ChemPhysChem, 2014, 15, 2823 – 2833.
- 59 A. Tron, P. Thornton, M. Rocher, H.-P. Jacquot de Rouville, J.-P. Desvergne, B. Kauffmann, T. Buffeteau, D. Cavagnat, J. H. R. Tucker, N. D. McClenaghan
"Formation of a Hydrogen-bonded Barbiturate [2]-Rotaxane"
Org. Lett. 2014, 16, 1358 – 1361.
- 58 S. Denisov, Y. Cudré, P. Verwilt, G. Jonusauskas, M. Marin-Suárez, J. Fernandez-Sanchez, E. Baranoff, N. D. McClenaghan
"Direct observation of reversible electronic energy transfer involving an iridium centre"
Inorg. Chem. 2014, 53, 2677 – 2682.
- 57 L. Harmand, R. Lambert, L. Scarpantonio, N. D. McClenaghan, D. Lastécouères, J.-M. Vincent
"A Photoreducible Copper(II)-tren Complex of Practical Value: Generation of a Highly Reactive Click Catalyst "
Chem. Eur. J. 2013, 19, 16231 – 16239.
- 56 G. Ragazzon, P. Verwilt, S. A. Denisov, A. Credi, G. Jonusauskas, N. D. McClenaghan
"Ruthenium(II) Complexes Based on Tridentate Polypyridine Ligands that Feature Longlived Room-Temperature Luminescence"

- Chem. Commun.* **2013**, *49*, 9110 – 9112.
- 55 S. Novak, L. Scarpantonio, J. Novak, M. Dai Prè, A. Martucci, J. D. Musgraves, N. D. McClenaghan, K. Richardson
"Incorporation of luminescent CdSe/ZnS core-shell quantum dots and PbS quantum dots into solution-derived chalcogenide glass films"
Opt. Mater. Express **2013**, *3*, 729 – 738.
- 54 Y. Leydet, P. Batat, G. Jonusauskas, S. Denisov, J.C. Lima, J. A. Parola, N. D. McClenaghan, F. Pina
"Impact of Water on the Cis-Trans Photoisomerization of Hydroxychalcones"
J. Phys Chem. A. **2013**, *117*, 4167 – 4173.
- 53 A.-L. Wirotius, E. Ibarboure, L. Scarpantonio, M. Schappacher, N. D. McClenaghan, A. Deffieux
"Hydrosoluble Dendritic Poly(ethylene oxide)s with Zinc Tetraphenylporphyrin Branching Points as Photosensitizers"
Polym. Chem. **2013**, *4*, 1903 – 1912.
- 52 P. Batat, G. Vives, R. Bofinger, R.-W. Chang, B. Kauffmann, R. Oda, G. Jonusauskas, N. D. McClenaghan
"Dynamics of ion-regulated photoinduced electron transfer in BODIPY-BAPTA conjugates"
Photochem. Photobiol. Sci. **2012**, *11*, 1666 – 1674.
- 51 L. Harmand, S. Cadet, B. Kauffmann, L. Scarpantonio, P. Batat, G. Jonusauskas, N. D. McClenaghan, D. Lastécouères, J.-M. Vincent
"Copper Catalyst Activation Driven by Photoinduced Electron Transfer: A Prototype Photolabile Click Catalyst"
Angew. Chem., Int. Ed. **2012**, *51*, 7137 – 7141.
- 50 A. Ducrot, P. Verwilt, L. Scarpantonio, S. Goudet, B. Kauffmann, S. Denisov, G. Jonusauskas, N. D. McClenaghan
"Photolarians: Synthesis, metal ion complexation and photochromism"
Supramol. Chem., **2012**, *24*, 462 – 472.
- 49 L. Scarpantonio, A. Tron, C. Destribats, P. Godard, N. D. McClenaghan
"Concatenation of reversible electronic energy transfer and photoinduced electron transfer to control a molecular piston"
Chem. Commun., **2012**, *48*, 3981 – 3983.
- 48 P. Guillo, O. Hamelin, P. Batat, G. Jonusauskas, N. D. McClenaghan, S. Ménage
"Photocatalyzed Sulfide Oxidation with Water as the Unique Oxygen Atom Source"
Inorg. Chem., **2012**, *51*, 2222 – 2230.
- 47 A. Ghodbane, S. D'Altério, N. Saffon, N. D. McClenaghan, L. Scarpantonio, P. Jolinat, S. Fery-Forgues
"Reprecipitation of 2-Phenyl-Benzoxazole Derivatives: Facile Access to Highly Fluorescent Nanofibers and Microcrystals"
Langmuir, **2012**, *28*, 855 – 863.
- 46 P. Batat, M. Cantuel, G. Jonusauskas, L. Scarpantonio, A. Palma, D. F. O'Shea, N. D. McClenaghan
"BF₂-Azadipyromethenes: Probing the Excited-state Dynamics of a NIR Fluorophore and Photodynamic Therapy Agent"
J. Phys. Chem A, **2011**, *115*, 14034 – 14039.
- 45 M. Comesaña-Hermo, R. Estivill, D. Ciuculescu, C. Amiens, P. Batat, G. Jonusauskas, N. D. McClenaghan, P. Lecante, C. Tardin, S. Mazeret
"Photomodulation of the magnetisation of Co-nanocrystals decorated with Rhodamine B"
ChemPhysChem, **2011**, *12*, 2915 – 2919.
- 44 G. Vives, C. Giansante, R. Bofinger, G. Raffy, A. Del Guerzo, B. Kauffmann, P. Batat, G. Jonusauskas, N. D. McClenaghan
"Facile functionalization of a fully fluorescent perfluorophenyl BODIPY: Photostable thiol and amine conjugates"
Chem. Commun. **2011**, *47*, 10425 – 10427.

- 43 R. Bofinger, A. Ducrot, L. Jonusauskaite, N. D. McClenaghan, J.-L. Pozzo, G. Sevez, G. Vives
"Ion translocation in artificial molecule-based systems induced by light, electrons or chemicals"
Aust. J. Chem. **2011**, *64*, 1301 – 1314. (Front Cover story).
- 42 D. Ray, C.-K. Liang, N. D. McClenaghan, D. M. Bassani
"Organic and Supramolecular Materials for LED and Photovoltaic Applications"
Current Physical Chemistry, **2011**, *1*, 169 – 180. (Special "Hot Topic Issue on New Trends in Photophysics").
- 41 R. Correa da Costa, T. Buffeteau, A. Del Guerzo, N. D. McClenaghan, J.-M. Vincent
"Reversible Hydrocarbon/Perfluorocarbon Phase-Switching of [Ru(bipy)₃]²⁺ Driven by Supramolecular Heteromeric Fluorous Carboxylate-Carboxylic Acid H-Bond Interactions"
Chem. Commun. **2011**, *47*, 8250 – 8252.
- 40 C. Jahier, M.-F. Coustou, M. Cantuel, N. D. McClenaghan, T. Buffeteau, M. Carraro, S. Nlate
"Optically Active Tripodal Dendritic Polyoxometalates: Synthesis, Characterization and Application in Asymmetric Sulfide Oxidation with Hydrogen Peroxide"
Eur. J. Inorg. Chem. **2011**, 727 – 738.
- 39 M. Amelia, A. Lavie-Cambot, N. D. McClenaghan, A. Credi
"A Ratiometric Luminescent Oxygen Sensor Based on a Chemically Functionalized Quantum Dot"
Chem. Commun. **2011**, *47*, 325 – 327. (Special issue on "Emerging investigators").
- 38 D. M. Bassani, L. Jonusauskaite, A. Lavie-Cambot, N. D. McClenaghan, J.-L. Pozzo, D. Ray, G. Vives
"Harnessing supramolecular interactions in organic solid-state devices: current status and future potential"
Coord. Chem. Rev. **2010**, *254*, 19-20, 2429 – 2445. (Special issue on "Supramolecular approaches to nano and molecular electronics").
- 37 M. Cantuel, C. Lincheneau, T. Buffeteau, L. Jonusauskaite, T. Gunnlaugsson, G. Jonusauskas, N. D. McClenaghan
"Enhanced photolabelling of luminescent Eu^{III} centres with a chelating antenna in a micellar nanodomain"
Chem. Commun., **2010**, *46*, 2486 – 2488.
- 36 A. Lavie-Cambot, C. Lincheneau, M. Cantuel, Y. Leydet, N. D. McClenaghan
"Reversible electronic energy transfer: A means to govern excited-state properties of supramolecular systems"
Chem. Soc. Rev. **2010**, *39*, 506 – 515. (commissioned Tutorial review)
- 35 N. D. McClenaghan
"Communication intramoléculaire photocontrôlée"
L'actualité Chimique **2010**, *337*, 23 – 27.
- 34 C. Jahier, S. Nlate, M. Cantuel, N. D. McClenaghan, T. Buffeteau, D. Cavagnat, F. Agbossou, M. Carrero, M. Bonchio
"Enantiopure Dendritic Polyoxometalates: Chirality Transfer from Dendritic Wedges to a POM Cluster for Asymmetric Sulfide Oxidation"
Chem. Eur. J. **2009**, *15*, 8703 – 8708.
- 33 V. Darcos, C.-H. Huang, N. McClenaghan, Y. Molard, J.H.R. Tucker, Y. Vida Pol, E. Perez-Inestrosa, D.M. Bassani
"Shining light on supramolecular assemblies"
Pure Appl. Chem. **2009**, *81*, 9, 1677 – 1685. (invited article)
- 32 A. Lavie-Cambot, M. Cantuel, Y. Leydet, G. Jonusauskas, D. M. Bassani, N. D. McClenaghan
"Improving the photophysical properties of copper(I) bis(phenanthroline) complexes"
Coord. Chem. Rev. **2008**, *252*, 2572 – 2584. (Invited article)
- 31 J. Larsen, F. Puntoriero, T. Pascher, N. McClenaghan, S. Campagna, Villy Sundström, E. Åkesson
"Extending light-harvesting properties of transition metal dendrimers"
ChemPhysChem **2007**, *8*, 2643 – 2651.
- 30 Y. Leydet, D.M. Bassani, G. Jonusauskas, N. D. McClenaghan
"Equilibration between three different excited states in a bichromophoric copper (I) phenanthroline complex"

- J. Am. Chem. Soc.* **2007**, *129*, 8688 – 8689. (“Highlights” in *ChemPhysChem* **2008**, *9*, 371).
- 29 Y. Leydet, F. J. Romero-Salguero, C. Jiménez-Sanchidrián, D. M. Bassani, N. D. McClenaghan
“Excited-state equilibration in a meso-microporous material-hosted bichromophoric [Ruthenium (2,2'-bipyridine)₃]²⁺ : Reversible energy transfer and photosensitized electron pumping”
Inorganica Chimica Acta, **2007**, *360*, 3, 987 – 994.
(Special issue dedicated to Prof. V. Balzani).
- 28 A.P. de Silva, Y. Leydet, C. Lincheneau, N.D. McClenaghan
“Chemical approaches to Nanometre-scale Molecular Logic Gates”
Journal of Physics: Condensed Matter, **2006**, *18* (33): S1847 – S1872.
(Special issue on “Molecular Nanomachines”)
- 27 C.-H. Huang, N. D. McClenaghan, A. Kuhn, G. Bravic, D. M. Bassani
“Hierarchical Self-assembly of All-Organic Photovoltaic Devices”
Tetrahedron, **2006**, *62*, 2050 – 2059.
(Special issue on “Supramolecular Chemistry of Fullerenes”, Ed.s N. Martín and J.-F. Nierengarten)
- 26 J.F. Callan, A.P. de Silva, D.B. Fox, N.D. McClenaghan, K.R.A.S. Sandanayake
“The Anthracen-9-ylmethoxy Unit: An Under-performing Motif within the Fluorescent PET (Photoinduced Electron Transfer) Sensing Framework”
J. Fluorescence, **2005**, *15*, 5, 769 – 775.
(Special 15th Anniversary issue, Editors: R. Badugu and C. Geddes)
- 25 N.D. McClenaghan, Y. Leydet, B. Maubert, M.T. Indelli, S. Campagna
“Excited-State Equilibration: A Process Leading to Long-Lived Metal-to-Ligand Charge Transfer Luminescence in Supramolecular Systems”
Coord. Chem. Rev., **2005**, *249*, 1336 – 1350.
- 24 M. V. Kulikova, N. McClenaghan, K. P. Balashev
“Preparation and Photophysical Properties of Mixed-Ligand Cyclometallated Complexes of Ir (III) with a Dendritic Bipyridine Ligand”
Russian Journal of General Chemistry, **2005**, *75* (5) 665 – 671.
- 23 C.-H. Huang, N.D. McClenaghan, A. Kuhn, J. W. Hofstraat, D.M. Bassani
“Enhanced Photovoltaic Response in Hydrogen-Bonded All-Organic Devices”
Org. Lett. **2005**, *7*, 3409 – 3412.
- 22 N.D. McClenaghan, Z. Grote, K. Darriet, M. Zimine, R.M. Williams, L. De Cola, D.M. Bassani
“Supramolecular Control of Oligothienylenevinylene-Fullerene Interactions: Evidence for a Ground-State EDA Complex”
Org. Lett. **2005**, *7*, 807 – 810.
- 21 J. F. Callan, A.P. de Silva, N.D. McClenaghan
“Switching between molecular switch types by module rearrangement:Ca²⁺-enabled, H⁺-driven “Off-On-Off”, H⁺-driven YES and PASS 0 as well as H⁺, Ca²⁺-driven AND logic operations”
Chem. Commun. **2004**, 2048 – 2049. (selected as “Hot Paper”).
- 20 N.D. McClenaghan and D. M. Bassani
“Photocapture of Dynamic Hydrogen-Bonded Assemblies”
Int. J. Photoenergy **2004**, *6*, 185 – 192.
- 19 A.P. de Silva and N.D. McClenaghan
“Molecular Logic Gates”
Chem. Eur. J. **2004**, *10*, 574 – 586. (“Concept” article + Frontispiece).
- 18 N.D. McClenaghan, C. Abselon, D.M. Bassani
“Facile Synthesis of a Fullerene-Barbituric Acid Derivative and Supramolecular Catalysis of its Photoinduced Dimerization”
J. Am. Chem. Soc. **2003**, *125*, 13004 – 13005.
- 17 M.T. Indelli, M. Ghirotti, A. Prodi, C. Chiorboli, F. Scandola, N.D. McClenaghan, F. Puntoriero and S. Campagna

- "Solvent Switching of Intramolecular Energy Transfer in Bichromophoric Systems. Photophysics of (2,2'-Bipyridine)tetracyanoruthenate(II)/Pyrenyl Complexes"
Inorg. Chem. **2003**, *42*, 5489 – 5497 (Front Cover story).
- 16 N.D. McClenaghan, R. Passalacqua, F. Loiseau, S. Campagna, B. Verheyde, A. Hameurlaine and W. Dehaen
"Ruthenium (II) Dendrimers Containing Carbazole-Based Chromophores as Branches"
J. Am. Chem. Soc. **2003**, *125*, 5356 – 5365.
- 15 B. Maubert, N.D. McClenaghan, M. T. Indelli and S. Campagna
"Absorption spectra and photophysical properties of a series of polypyridine ligands containing appended pyrenyl and anthryl chromophores and of their ruthenium (II) and osmium (II) complexes"
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- 1 Press release on ACIE paper: <http://www2.cnrs.fr/presse/communique/4833.htm>
- 2 Article featured in EurJIC virtual issue: [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1099-0682c/homepage/2005_iccc.html](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-0682c/homepage/2005_iccc.html)
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- 12 *Education in Chemistry* 2000 July, 37, 110 (reported by D. Bradley)

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 17 *Nanotech Alert* 2000, 5 May, Report 5 (reported by H. Goldstein)
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 20 *FirstScience.Com*, 19 April 2000
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 21 *Discovery Channel Online News*, 14 April 2000
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 22 *Technology Ireland*, April 2000, 32 (1), 30 (reported by D. Bradley; one of two projects featured)
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 23 *The Guardian*, 10 February 2000, S3
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 24 *Chemweb* 1999, 8 September
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ORAL PRESENTATIONS

- 71 Molecular Technology: "Energy and electron transfers in molecular engineered materials" June 28-30, 2017
 Strasbourg, France (Plenary)
 70 N. D. McClenaghan, "Photochemistry of Foldaxanes, Explososomes and Other Supramolecular Architectures", Journées de l'Ecole Doctorale de Chimie Moléculaire, Université Pierre et Marie Curie, 22-23 May 2017 (Invited)
 69 N. D. McClenaghan, "Photochemistry with a twist : Light-induced processes in helical foldamer-based scaffolds", International workshop on light activated nanostructures, 16th May 2017, Center for Light Activated Nanostructures, Università di Bologna and Consiglio Nazionale delle Ricerche, Bologna, Italy (Keynote)
 68 N. D. McClenaghan, "Photoinduced processes in molecule-based systems and quantum dot-molecule hybrids" LIA LUMAQ LUMière Matière Aquitaine Québec, Bordeaux, 29th-31st March 2017 (Invited)
 67 S. Denisov, G. Jonusauskas, Y. Ferrand, I. Huc, S. Lecommandoux, N. D. McClenaghan, "Light-driven processes in molecule-based nano-architectures/assemblies", LCC, Toulouse, 10th March 2017. (Invited Seminar)
 66 N. McClenaghan, "Photoactive functional molecules: Ultraphotostable fluorophores, Energy shuttling and Molecular machines", University of New South Wales, Australia, 20th February 2017. (Invited Seminar)
 65 S. Denisov, G. Jonusauskas, Y. Ferrand, I. Huc, S. Lecommandoux, N. D. McClenaghan, "Light-driven processes in molecule-based nano-architectures/assemblies", AMN8 - 8th International Conference on Advanced Materials and Nanotechnology, New Zealand 12-16 February 2017 ("Keynote" lecture).

- 64 N. D. McClenaghan, A. Tron, S. Yu, J.-L. Pozzo, A. Ducrot, J. Tucker, A. Credi "Photoswitching Mechanically Interlocked Molecule Construction" 8th International symposium on photochromism, Shanghai 4-7th November 2016
- 63 R. Bofinger, A. Peyret, L. Beauté, A. Tron, E. Ibarboure, S. Lecommandoux, N. D. McClenaghan, "Message in a Bubble: Phototriggered Events in Microdomains", Joint Congress of the French and Italian Photochemists and Photobiologists, 19 - 22 September, 2016 - Bari (Italy)
- 62 N. D. McClenaghan, S. A. Denisov, G. Jonusauskas, "Harnessing Reversible Electronic Energy Transfer : From Molecular Dyads to Molecular Machines", 42nd International Conference on Coordination Chemistry (ICCC), 3rd-8th July 2016, Brest, France. (Invited).
- 61 N. D. McClenaghan, "Designer Photoactive Functional Molecules : Energy shuttling, molecular machines and highly photostable fluorophores", Journées Cours délocalisés du Collège de France à l'Université de Bordeaux, 31st May 2016.
- 60 N. D. McClenaghan, S. A. Denisov, G. Jonusauskas, M. Nagula, X. Li, Y. Ferrand, V. Maurizot, I. Huc, "Photoactive helicates: Photoinduced electron and reversible electronic energy transfer in giant foldamers and foldaxanes, XXVIth IUPAC on Photochemistry, April 3-8th 2016, Osaka, Japan.
- 59 N. D. McClenaghan, "Designer photoactive functional molecules: Energy shuttling, molecular machines and highly photostable fluorophores", Seminar, Aoyama Gakuin University, Tokyo, 31/03/2016.
- 58 N. McClenaghan, A. Tron, R. Bofinger, J. Thevenot, S. Lecommandoux, J. Tucker "Photoswitching interlocked molecule construction and dynamic intermolecular communication" Pacificchem 2015, Symposium / Session: Design of innovative photochromic applications (Invited).
- 57 R. Bofinger, J. Thevenot, S. Lecommandoux, R. Oda, N. D. McClenaghan "Biomimetic communication between functional molecules via photocontrolled ions in polymeric nanodomains", Pacificchem 2015, Symposium/Session : Multi-scale and Synergistic Supramolecular systems in Materials and Biomedical sciences.
- 56 N. McClenaghan, "Exciting molecular machines: Photocapture and fast photoinduced processes" International Symposium for Photo- and Electro-Molecular Machines, PEM2, Toulouse, France 6-7th October 2015. (Invited)
- 55 N. McClenaghan, "Exciting molecular machines: Photocapture and fast photoinduced processes" Seminar, Université Joseph Fourier, Grenoble, France 11th September 2015.
- 54 G. Jonusauskas, O. A. Fedorova, N. D. McClenaghan, Ultrafast electronic processes in (supra)molecular systems 41st National Lithuanian Physics Conference, June 17-19, 2015, Vilnius, Lithuania
- 53 N. McClenaghan, A. Tron, R. Bofinger, J. Thevenot, S. Lecommandoux, J.H.R. Tucker, "Light-driven catenation and intermolecular communication in solution and nanocapsules" 10th ISMSC-2015, Strasbourg, France 28th June-2nd July 2015 (Invited)
- 52 N. D. McClenaghan, R. Bofinger, J. Thevenot, S. Lecommandoux, "Chemical communication between functional molecules via photocontrolled ions in polymeric nanocapsules", SysChem15, Kerkrade, Netherlands (Invited), 18-22, May 2015.
- 51 N. McClenaghan, "Photocatenation and intermolecular communication in solution and nanocapsules" Seminar, University of Bologna, Italy. 12th May 2015.
- 50 N. McClenaghan, "Light-driven interlocked molecule construction and dynamic transfer in molecular machines" Seminar, École de chimie, polymère et matériaux de Strasbourg, France. 24th March 2015.
- 49 N. McClenaghan, "Light-driven ion and electronic energy transfer in supramolecular systems" Seminar, University of Barcelona, Spain. 16th December 2014.
- 48 S. Novak, D.E. Johnston, N. Patel, W. Deng, N. McClenaghan, A. Agarwal, W. Liyanage, M. Nath, H. Hodaei, M. Khajavikhan, K. Richardson, "Characterization of luminescent quantum dot doped chalcogenide glass films from solution," DGG-GOMD: Joint meeting of German Society of Glass Technology and American Ceramic Society Glass and Optical Materials Division, Aachen, Germany, (May 29, 2014).
- 47 N. D. McClenaghan, R. Bofinger, J. Thevenot, R. Oda, S. Lecommandoux, "Biomimetic communication between functional molecules via photocontrolled ions in polymeric nanodomains", CECP 2014, 9th-14th Feb 2014, Bad Hofgastein, Austria.
- 46 N. D. McClenaghan, "Designer photoactive functional molecules and assemblies with potential to interface biology", France BioImaging: Photoactive Biologically-relevant Probes and Actuators, and Optogenetic Systems, 19th-20th December 2013, Institut Curie, Paris.
- 45 N. D. McClenaghan, "Light-driven ion and electronic energy transfer in supramolecular systems". Seminar University of Geneva, Switzerland, 14th Nov 2013

- 44 N. D. McClenaghan, "Energy and ion transfer in molecule-based architectures,"Centre of Excellence LAPHIA - 1st annual symposium, 2nd-6th September 2013, Talence, France.
- 43 N. D. McClenaghan, R. Bofinger, J. Thevenot, H.-P. Jacquot-de-Rouville, R. Oda, S. Lecommandoux, Sébastien, "Biomimetic communication between functional molecules via photocontrolled ions in polymeric nanodomains", International Conference on Photochemistry -ICP 2013, 21st -26th July 2013 Leuven, Belgium
- 42 N. D. McClenaghan, "Photoinduced ion and reversible energy transfer in supramolecular systems", Seminaire, June 2013, University NOVA of Lisbon, Portugal.
- 41 N. D. McClenaghan, R. Bofinger, S. Denisov, G. Jonusauskas, S. Lecommandoux, J. Thevenot, A. Tron, "Light-driven ion and electronic energy transfer in supramolecular systems: Lessons from nature", Journée de Communications - Section régionale Champagne-Ardenne, Société Chimique de France, Reims - 30 mai 2013.
- 40 P. Verwilt, A. Ducrot, R. Bofinger, L. Scarpantonio, J.-L. Pozzo, S. Denisov, G. Jonusauskas, N. D. McClenaghan, "Photoswitching ion binding of biorelevant ions", International Research Group PHoto-switchableE orgaNIC molecular systems & deviceS, November, 28 - December 1 2012, Nantes, France.
- 39 N. D. McClenaghan, "Vectorial photoinduced electron transfer and reversible electronic energy transfer in synthetic molecules", Symposium on Quantum Modeling of electronic processes in Organic Optoelectronic Devices, November, 8-9 2012, Institut des Sciences Moléculaires Université Bordeaux 1.
- 38 N. D. McClenaghan, Seminar Birmingham University, "Photoactive designer molecules for fluorescence imaging and "click" chemistry" 10/08/2012.
- 37 R. Bofinger, G. Vives, P. Batat, G. Jonusauskas, G. Raffy, A. del Guerso, D. O'Shea, N. D. McClenaghan, "BODIPY and AzaBODIPY labels and switches: Facile functionalization and an insight into photodynamics" XXIV IUPAC Photochemistry 15th-20th July 2012, Coimbra, Portugal.
- 36 N. D. McClenaghan, "Fluorescent switches labels and supermolecules", 6èmes Journées de l'Association Bordelaise de Cristallographie (JABC6) - 21 - 22 June 2012, Talence.
- 35 N. D. McClenaghan, R. Bofinger, P. Batat, A. Ducrot, T. Gunnlaugsson, G. Jonusauskas, R. Oda, P. Verwilt, L. Scarpantonio, "Photocontrolled Biocompatible Supramolecular Systems : Chemical transfer and Activation"; ISMSC Jan 29th -Feb 2nd 2012, Otago, New Zealand.
- 34 N. D. McClenaghan, Seminaire University of Angers, France, 3rd December 2011, "Photoinduced ion and electronic energy transfer in designer supramolecular systems".
- 33 N. D. McClenaghan, G. Sevez, A. Ducrot, R. Bofinger, P. Batat, R.-W. Chang, G. Jonusauskas, L. Jonusauskaite, J.-L. Pozzo, R. Oda
ImagineNano, April 11-14th 2011 Bilbao, Spain. (Invited)
"Communication between molecules via photocontrolled ions"
- 32 N. D. McClenaghan, GDR (Groupement de Recherche) Electronique Moléculaire Bordeaux, November 23-24 2010. (invited). "Bio-inspired photoionic molecules".
- 31 N. D. McClenaghan, G. Sevez, A. Lavie-Cambot, A. Ducrot, G. Jonusauskas, P. Batat, R. Oda, R.-W. Chang "COMMOTION : Communication entre molécules fonctionnelles par des ions photoguidés", J3N2010, Lille, November 8-10 2010. (invited)
- 30 N. D. McClenaghan, Department of Chemistry, University College, Dublin, Ireland. "Photoprocesses in supramolecular assemblies and complexes" (invited, April 2010).
- 29 N. D. McClenaghan, G. Jonusauskas, R. Oda, G. Vives, A. Lavie-Cambot, R.-W. Chang, P. Batat, J.-L. Pozzo, L. Jonusauskaite, A. Ducrot
First ERC Recipients Interdisciplinary Symposium (invited), France-Israel, March 7-11 2010.
"Communication between functional molecules using photocontrolled ions"
- 28 N.D. McClenaghan, Dipartimento di Chimica "Giacomo Ciamician", Università di Bologna, Italy.
"Building hydrogen-bonded assemblies and luminescent copper complexes" (seminar 17th December 2009)
- 27 N. D. McClenaghan, COST D35 Working Group 15, Design and function of self-assembled light-energy conversion devices (Coordinator: Prof. Villy Sundström), May18-19th 2009 Bordeaux, France. "Energy transfer in self-assembled nanostructures"
- 26 N. D. McClenaghan, Journées Scientifiques de l'Institut des Métaux en Biologie de Grenoble, Autrans 13-14 May 2009 "Natural photoinduced processes in unnatural supramolecular systems" (invited).
- 25 N. D. McClenaghan, Journées d'Automne 2008 du Groupe Français de Photochimie, 40ème Anniversaire, Ecole Polytechnique, Palaiseau 26-28 Novembre 2008, "Photocatenanes" (invited).
- 24 N.D. McClenaghan, Y. Leydet, G Jonusauskas, A. Lavie-Cambot, M. Cantuel

- XXII IUPAC symposium on Photochemistry, Gothenberg, Sweden, 28/07/08-01/08/2008."Excited-state equilibration in supramolecular systems".
- 23 N. D. McClenaghan, University of Birmingham, School of Chemistry, England. 15/04/2008. Seminar "Supramolecular control of excited-state properties".
- 22 N. D. McClenaghan, COST D35 WG 0015-05 Design and function of self-assembled light-energy conversion devices, 28-29th March 2008, Messina, Italy.
"Electronic Energy transfer in Bichromophoric Eu^{3+} and Cu^+ -based Systems"
- 21 N. D. McClenaghan, 9th Annual Symposium on Supramolecular Chemistry in Ireland, 13th March 2008, Trinity College Dublin, Ireland.(Invited speaker).
"Supramolecular engineering of excited-state properties"
- 20 N.D. McClenaghan, Y. Leydet, D. Bassani, G. Jonusauskas, A. Lavie-Cambot, M. Cantuel
Central European Conference on Photochemistry (CECP 2008), Bad Hofgastein, Austria Feb. 10-14th 2008
"Excited-state equilibration in supramolecular systems"
- 19 N.D. McClenaghan, A. Lavie-Cambot, M. Cantuel, R. Oda, I. Pianet, G. Jonusauskas
Journée ISM, 18/12/2007, Haut-Carré, Talence, France.
"COMMOTION: Communication between functional molecules using photocontrolled ions" (Plenary)
- 18 N.D. McClenaghan, Y. Leydet, D. Bassani, A. Lavie-Cambot, G. Jonusauskas
Société Française de Chimie, Grand Sud Ouest, 30/11/2007, ENSCPB, Pessac, France.
"Transfert d'énergie réversible au sein de systèmes supramoléculaires"
- 17 N.D. McClenaghan, 17th International Symposium on the Photophysics and Photochemistry of Coordination Compounds (invited speaker)
"Reversible energy transfer in Small Supramolecular Systems: Multiple Dynamic Equilibria and Photosensitized Electron Pumping"
24th-28th June 2007, Dublin, Ireland.
- 16 N.D. McClenaghan, COST D35 WG 0015-05:"Design and function of self-assembled light-energy conversion devices", "Reversible Energy Transfer in Small Supramolecular systems", 9-10th October 2006, Lund, Sweden.
- 15 Y. Leydet, D. Bassani, G. Jonusauskas, N. D. McClenaghan
Groupe français de la photochimie, Société Française de Chimie, Journées de Printemps du GFP, 18-19 mai 2006, Paris
"Equilibration entre trois états excités isoénergétiques dans un complexe cuivre (I) polypyridine bichromophorique".
- 14 Y. Leydet, D. Bassani, G. Jonusauskas, N. D. McClenaghan, COST D19 final workshop, Sitges, Spain, 12-14th May 2006
"Energy Transfer Processes in Designer Molecule-Based Photoactive Systems"
- 13 N. D. McClenaghan, Séminaire University of Cordoba, Spain, 26th October 2005, "Photoactive Supramolecular Devices: Molecular Logic Gates and Reversible Energy Transfer"
- 12 N. D. McClenaghan, Nano-Chemistry Workshop of COST Chemistry Action D19 «Chemical Functionality Specific to the Nanometre Scale, Istanbul, Turkey, September 1st-3rd, 2005
"Reversible Energy Transfer and Photoinduced Electron Transfer Processes in Supramolecular Systems and Nanostructured Assemblies"
- 11 N. D. McClenaghan, Meeting of COST D31-0006-04, Sheffield, England May 19th - 21st, 2005
"Energy and electron-transfer in dynamic photoactive systems"
- 10 N. D. McClenaghan, CERC-3 Workshop, Baden-Baden, Germany, May 2nd -May 4th, 2005
"Self-assembled Photoactive Fullerene Systems"
- 9 N. D. McClenaghan, Meeting of the Groupe Français de la Photochimie (GFP), Cachan, 18-19th November 2004, "Equilibre entre états excités : Un processus innovant pour prolonger la durée de vie de luminescence dans des systèmes supramoléculaires"
- 8 N. D. McClenaghan, EURESCO "Chemistry and Physics of Multifunctional Materials", Tomar, Portugal, September 2004
"Photoinduced Processes in Hydrogen-bonding Fullerene-based Systems"
- 7 N. D. McClenaghan, 2nd Mediterranean Meeting on Photochemistry, Giardini-Naxos, Italy, June 2003
"Photoactive self-assembled fullerene-based systems"
- 6 N. D. McClenaghan, TMR network meeting, Taormina, Italy, February 2003
"Self-assembled Fullerene-based Systems"
- 5 N. D. McClenaghan, Seminar IMRCP, Université Paul Sabatier, Toulouse, France, 16th Dec. 2002, "Molecular-scale Logic Gates and Self-Assembled Photovoltaic Devices"

- 4 N. D. McClenaghan, Seminar Université d'Angers, Angers, France, Dec. 2002
"Photoactive Supramolecular Systems"
- 3 N. D. McClenaghan, TMR network meeting, Bologna, Italy, September 2001
"Light harvesting systems with carbazole-containing dendrons"
- 2 N. D. McClenaghan, TMR network meeting and oral presentation to EU commissioners, Brussels, Belgium, January 2001
"Photoactive polytopic complexes as DNA probes"
- 1 N. D. McClenaghan, TMR network meeting, Pisa, Italy, September 2000
"Towards novel metal-containing dendrimers decorated with bi-/trichromophoric ligands"

POSTERS AND CONFERENCE PROCEEDINGS

- 57 M. La Rosa, S. Silvi, G. Jonusauskas, N. D. McClenaghan, A. Credi, "Long-lived luminescent Quantum Dots as result of reversible electronic energy transfer", ISPPCC July 2017, Oxford, England.
- 56 A. Peyret, E. Ibarboure, A. Tron, L. Beauté, R. Rust, O. Sandre, N. D. McClenaghan, S. Lecommandoux, "Photon-triggered polymersome rupture under temporal, spatial and spectral control"; L. Beauté, N. McClenaghan, S. Lecommandoux, "Design of light-sensitive polymersome for spatial and temporal controlled release"; Synthetic Biology Protocell Workshop (SB2) IECB, Pessac, 5th October 2016.
- 55 N. D. McClenaghan, S. Denisov, G. Jonusauskas, M. Nagula, X. Li, Y. Ferrand, V. Maurizot, B. Kauffmann, I. Huc "Photochemistry with a twist : Foldamer-based scaffolds for investigation of light-induced processes" Bordeaux 2016 Symposium on Foldamers, IECB, Bordeaux, France, September 26-28 2016.
- 54 J. C. Spiteri, S. A. Denisov, G. Jonusauskas, N. D. McClenaghan, D. C. Magri, 'Pourbaix Sensors' with Path-Selective PET and ICT Processes, 5th International Conference on Molecular Sensors and Molecular Logic Gates (MSMLG 2016), Bath (U.K.), 24-28th July 2016.
- 53 "Toward an international laboratory between France & Japan on Photochemistry, " Photoactive hydrogen-bonded machines", 01/04/2016, French Embassy Tokyo, Japan
- 52 S.A. Denisov, G. Jonusauskas, A. Tron, N. D. McClenaghan, "Reversible electronic energy transfer involving supramolecular assemblies and organic-inorganic hybrids" Pacifichem 2015, Session : Molecular and supramolecular photochemistry.
- 51 I. Pianet, X. Zheng, S. Yu, J.-L. Pozzo, N. D. McClenaghan, D.-H. Qu, "Shuttling motion in rotaxane systems studied by EXSY NMR", Small Molecule NMR Conference September 20th - 23rd, 2015, Baveno, Italy
- 50 S. A. Denisov, X. Li, M. Nagula, G. Jonusauskas, N. McClenaghan, V. Maurizot, I. Huc "Photoinduced electron transfer through long rigid helical aromatic oligoamide foldamers" 13th European Conference on Molecular Electronics, September 1-5, Strasbourg, France
- 49 G. Jonusauskas, S. A. Denisov, N. D. McClenaghan
Equilibration Between Electronic States and Reversible Electronic Energy Transfer in Bichromophoric Compounds, Second Kazan Summer School in Chemoinformatics, July 6-9, 2015, Kazan, Russia.
- 48 S. Novak, C. Li, W. Liyanage, H. Hodei, C. Smith, N. McClenaghan, M. Khajavikhan, M. Nath, W. Deng, K. Richardson, "Deposition of luminescent quantum dot doped chalcogenide glass films from solution," DGG-GOMD: Joint meeting of German Society of Glass Technology and American Ceramic Society Glass and Optical Materials Division, Miami, FL, (May 19, 2015).
- 47 a) M. Isaac, A. Roux, S. Denisov, G. Jonusauskas, N. D. McClenaghan, J.-M. Latour, O. Sénèque, Complexes de lanthanides luminescents pour la detection de cuivre(I): Modulation de l'effet de l'antenne par interaction cation-pi; b) L. Harmand, R. Beniazza, D. Lastécouères, N. D. McClenaghan, J.-M. Vincent, Photoactivable copper catalysts, Journées de Chimie de Coordination de la SCF - JCC2015 - 29-30 janvier 2015, ICMCB Pessac
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A. Lavie-Cambot, N.D. McClenaghan
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P. Batat, C. Grauby-Heywang, N. McClenaghan, A. Lavie-Cambot, S. Selektor, G. Jonusauskas
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"Luminescenza di sistemi dendritici basati su complessi di rutenio con leganti carbazolici"
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"Multinuclear Ru(II)/Os(II) compounds as photoactive sensors and artificial antennas"
- 9 EPA -Joint meeting of the Italian, French and Swiss Photochemistry groups, 2001, Lausanne, 25-27 February (with F. Loiseau)
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"Fluorescent pH sensors with visible communication wavelengths and a dual response mechanism"

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of Organic Chemistry; Advanced Functional Materials; Advanced Materials; Chemical Science; Comptes Rendu Chimie; Journal of Luminescence; Journal of Sulfur Chemistry; RSC Advances; Dalton; Optical Materials; International Journal of Environmental Analytical Chemistry; Pure & Applied Chemistry **Funding bodies:** National Science Foundation (USA); Israel Science Foundation; Agence National de la Recherche; European Research Council; American Chemical Society Petroleum Research Fund; Comité de Spécialistes ISM / University of Bordeaux1, 31ème section (physical chemistry); Bioenergy programme of the Life Sciences Division (DSV) of the CEA; Région Rhône-Alpes; Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO) **Thesis juries:** University of Bordeaux; University of Malaga (Spain); University Joseph Fourier, Grenoble; Université Angers; Université Nantes; ENS Cachan; Université Toulouse III; New University of Lisbon (Portugal); Université Pierre et Marie-Curie; Université Strasbourg; University of Bologna (Italy); Chalmers University of Technology (Sweden).

SUPERVISION/ CO-SUPERVISION OF RESEARCH PROJECTS:

- K. Le Tout (Stage M2 2017)
- M. Douarre (Ph.D. 2016-2019)
- J. De Tovar Villanueva (Stage Ph.D. 2016)
- T. Olivar (L3 2016)
- R. Rust (M2 2016, Ph.D. 2016-2019)
- M. Hennebelle (M2 2016)
- J. Spiteri (M2 - CNRS travel grant 2016)
- L. Pisciotanni (Ph.D. 2015-2018)
- J. Perez (Stage Ph.D. 2015)
- E. Larralde (Stage M1 2015)
- B. Martin (Stage M2 2015)
- M. Potopnyk (post-doc 2015-2016)
- J. Shimazu (stage Kumamoto university, 2014)
- S. Yu (codirection thèse 2014-)
- M. La Rosa (codirection thèse 2014-)
- S. Mahmoudi (2014 stage classes préparatoire)
- M.-A. Marliac (2014 stage classes préparatoire)
- R. Bars (stage licence 2014)
- J. Fournier de Laurière (Stage M2 2014)
- M. Bouriga (codirection thèse 2013-)
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- K. Antien (stage licence 2013)
- C. Mergy (2012; stage licence 2014)
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- A.-M. Diniz (stage Ph. D. 2012)
- H.-P. Jacquot (post-doc 2012-2013)
- J. Thevenot (post-doc 2012-2013)
- G. Ragazzon (stage Collegio Superiore 2012)
- L. Rochet (stage licence 2012)
- P. Thornton (stage Ph.D. 2011)
- P. Verwilt (post-doc 2011-2013)
- S. Denisov (codirection thèse 2011-2014, post doc 2014-2016)
- L. Chabreuil (stage Ph.D. 2011)
- L. Scarpantonio (post-doc, 2011-2013)
- S. Novak (2011, International Masters student, USA)
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- R. Humphreys (ERASMUS 2011)
- M. Dhalluin (stage licence 2011)
- J. Roux (stage licence 2011, coencadrement)
- R. Bofinger (thèse, 2010-2013)
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- M. Semeraro (stage Ph.D. 2009)
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- B. Pagoaga (stage licence 2007)
- S. Martinez (stage licence 2007)
- M. Mora-Marquez (stage Ph.D. Dec. 2006)
- A. Saoud (stage 1 mois, Ph. D., Sep. 2006; Jan 2009)
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- D. Bry (stage Licence 2005)
- A. Lavie-Cambot (Stage Licence 2005; Stage Masters 2 2007; Ph. D. awarded Dec. 2010); poster prize -11ème Journée de l'École Doctorale des Sciences Chimiques.
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- V. Pericolle (stage licence 2004)
- C. Lincheneau (Masters 2 2006 ; Stage Licence 2004; stage M1 Nov. 2004- Juin. 2005 (temps partiel).
- N. Betz (stage DEUG 2004)