CURRICULUM VITAE
Dr. Jean-René HAMON

Present Appointment: 1st class Research Director at CNRS, 2011-present.

Affiliation and Official Address:

UMR 6226 *«Institut des Sciences chimiques de Rennes»*, CNRS - Université de Rennes 1, Campus de Beaulieu, Bâtiment 10C, CC 1014, 35042 RENNES Cedex, France.
Phone : +33 (0)2 23 23 59 58 - *E-mail :* jean-rene.hamon@univ-rennes1.fr
https://iscr.univ-rennes1.fr/OMC/

Born January 18 1956, married, 3 children. ***Nationality:*** French

Education:

1976 D.U.T. Chemical Engineering, Saint-Nazaire
1978 Master's degree of Chemistry, Rennes
1979 D.E.A. in Organic Chemistry (Graduated), Rennes
1982 Ph. D., University of Rennes 1 (with Prof. D. Astruc)
1983 NATO Postdoctoral fellow at University of California, Berkeley, USA, (with K. N. Raymond)

Career and Employment:

CNRS, Attaché de Recherche, October 1 1981 – September 30 1983
CNRS, Chargé de Recherche, October 1 1983 – September 30 1995
CNRS, Directeur de Recherche, October 1 1995 - present.
Pontificia Universidad Catolica de Valparaiso, Chile, Visiting Professor, December 1993, June 2004, June 2008.

Awards and distinctions:

Professeur P. Gineste Award, University of Rennes 1, 1983
CNRS Bronze Medal, 1983
Cahours-Houzeau Award, French Academy of Sciences, Paris, 1995
«honoraria de Profesor Extraordinario» degree, PUC Valparaiso, Chile, 2010 (equiv DHC)
Nominated as one of the 175 Faces of Chemistry Royal Society of Chemistry,2014)
http://www.rsc.org/diversity/175-faces/all-faces/ dr-jean-rene-hamon)
Member of the European Academy of Sciences and Arts, 2014
Distinguished Member of the French Chemical Society (SFC), 2016
SFC Coordination Chemistry Division Prize, 2020

Current Research Interests:

J.-R. Hamon's research is centered on the design and synthesis of multifunctional inorganic molecules: (i) synthesis, structure and physico-chemical propertis of polymetallic organometallic iron compounds containing carbon ligands for potential application in electronics (molecular wires, quantum cellular automata); (ii) coordination chemistry of transition metal Schiff base compounds with the aim at building organometallic-inorganic hybrid materials toward opto-electronics.

Publications:

Number of papers in peer-refereed journals: 125
Book chapters: 3
Patents: 3
Number of plenary lectures to national and international scientific meetings: 3
Number of invited lectures in Universities: 31

Number of oral communications and posters to national and international scientific meetings: 155

Editorial Activities

New Journal of Chemistry, Guest Editor, October 2011), Spécial Issue D. Astruc: *New J. Chem.* **2011**, *35*, 1909-2384 (62 articles).

Polyhedron, Guest Editor, 2015, Spécial Issue C. Lapinte: *Polyhedron* **2015**, *86*, 1-166 (24 articles)

Responsible of International Scientific Programs:

French-Chilean International Associate Laboratory "Multifunctional Molecules and Materials" LIA M3 N°1207 (2018-2021)
co-Directed with Prof. C. Manzur (PUC Valparaiso, Chile)
French-Chilean International Associate Laboratory "Functional Inorganic Materials" LIA MIF N°836 (2009-2016)
co-Directed with Prof. C. Manzur (PUC Valparaiso, Chile)
ECOS-CONICYT (Chile) C05E03 Program (2006-2008)
jointly managed with Prof. C. Manzur (PUC Valparaiso)
CNRS-CONICY (Chile) bilateral projects (11 one-year projects between 1993 and 2009)
jointly managed with Profs. D. Carrillo and C. Manzur (PUC Valparaiso)
French-Norwegian AURORA Program N° 99-030 (1999)
jointly managed with Prof. M. Tilset (University of Oslo)

Membership of Professional Societies:

Société chimique de France (SCF), President of the Coordination Chemistry Division (2010-2012), Vice-President of the Coordination Chemistry Division (2006-2009).

Five representative publications:

1. A Tetrairon Dication Featuring Tetraethynylbenzene Bridging Ligand: a Molecular Prototype of Quantum-Dot Cellular Automata
   R. Makhoul, P. Hamon, T. Roisnel, J.-R. Hamon, C. Lapinte
   Chem. Eur. J. **2020**, 26, 8368-8371. doi.org/10.1002/chem.202000910
2. Redox-Switching of ternary Ni(II) and Cu(II) complexes: Synthesis, experimental and theoretical studies along with second-order nonlinear optical properties
   N. Novoa, C. Manzur, T. Roisnel, V. Dorcet, N. Cabon, F. Robin-Le Guen, I. Ledoux-Rak, S. Khalal, J.-Y. Saillard, D. Carrillo, J.-R. Hamon
   New J. Chem. **2019**, *43*, 10468-10481. DOI: 10.1039/C9NJ01774G
3. Multidentate unsymmetrically-substituted Schiff bases and their metal complexes: Synthesis, functional materials properties, and applications to catalysis
   X. Liu, C. Manzur, N. Novoa, S. Celedon, D. Carrillo, J.-R. Hamon
   Coord. Chem. Rev. **2018**, *357*, 144-172. https://doi.org/10.1016/j.ccr.2017.11.030.
4. Complexation of the $(\eta^5\text{-Cp})Ru^+$ and $(\eta^5\text{-Cp*})Ru^+$ Arenophiles on Alkynyl Naphthalene: Solvent Effect on the Regioselectivity and the Haptotropic Rearrangement
   R. Makhoul, J. A. Shaw-Taberlet, H. Sahnoune, V. Dorcet, S. Kahlal, J.-F. Halet, J.-R. Hamon, C. Lapinte
   Organometallics **2014**, *33*, 6023-6032. doi.org/10.1021/om500654d
5. Theoretical, Thermodynamic, Spectroscopic, and Structural Studies of the Consequences of One-Electron Oxidation on the Fe-X Bonds in 17- and 18-Electron Cp*Fe(dppe)X Complexes (X = F, Cl, Br, I, H, CH_3)
   M. Tilset, I. Fjeldahl, J.-R. Hamon, P. Hamon, L. Toupet, J.-Y. Saillard, K. Costuas, A. Haynes
   J. Am. Chem. Soc. **2001**, *123*, 9984-10000. DOI:10.1021/ja0106927