

Jean-Pierre Sauvage

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Personal Data :

Born on 21 October 1944, Paris, France; married, one child.

Home Address: 2 rue Gambus, 67100 Strasbourg, France - Telephone: +33 3.88.40.00.41

Professional Career :

- 2009 ~present Professor Emeritus (University of Strasbourg), Distinguished Visiting Scholar (Northwestern University 2010-2012) and Visiting Professor (University of Zurich)
- 1979~2009 CNRS Director of Research
- 1981~1984 University Professor
- 1971~1979 CNRS Research Fellow

A Few Representative Publications :

- 1) C.O. Dietrich-Buchecker, J.-P. Sauvage, J.-P. Kintzinger, "Une nouvelle famille de molécules : les métallo-caténanes", *Tet. Letters*, **24**, 5095 (1983).
- 2) M. Beley, J.-P. Collin, R. Ruppert, J.-P. Sauvage, "Nickel(II)-cyclam : An extremely selective electrocatalyst for reduction of CO₂ in water", *Chem. Comm.*, 1315 (1984).
- 3) C.O. Dietrich-Buchecker, J.-P. Sauvage, "A synthetic molecular trefoil knot", *Angew. Chem. Int. Ed. Engl.*, **28**, 189 (1989).
- 4) J.-P. Collin, S. Guillerez, J.-P. Sauvage, F. Barigelletti, L. De Cola, L. Flamigni, V. Balzani, "Photoinduced processes in dyads and triads containing a ruthenium(II)-bis(terpyridine) photosensitizer covalently linked to electron donor and acceptor groups", *Inorg. Chem.*, **30**, 4230 (1991).
- 5) A. Livoreil, C.O. Dietrich-Buchecker, J.-P. Sauvage, "Electrochemically triggered swinging of a [2]-catenane", *J. Am. Chem. Soc.*, **116**, 9399 (1994).
- 6) J.-P. Sauvage, J.-P. Collin, J.-C. Chambron, S. Guillerez, C. Coudret, V. Balzani, F. Barigelletti, L. De Cola, L. Flamigni, "Ruthenium(II) and Osmium(II) bis(terpyridine) complexes in covalently-linked multicomponent systems... ", *Chem. Rev.*, **94**, 993 (1994).
- 7) M.-C. Jimenez, C. Dietrich-Buchecker, J.-P. Sauvage, "Towards Synthetic Molecular Muscles...", *Angew. Chem. Int. Ed.*, **39**, 3284 (2000).

- 8) L. Flamigni, J.-P. Collin, J.-P. Sauvage, "Iridium terpyridine complexes as functional assembling units in arrays for the conversion of light energy", *Acc. Chem. Res.*, **41**, 857-871 (2008).
- 9) J.-P. Collin, F. Durola, J. Lux, J.-P. Sauvage, "A Rapidly Shuttling Copper-Complexed [2]Rotaxane with Three Different Chelating Groups in Its Axis", *Angew. Chem. Int. Ed.* **48**, 8532 (2009).
- 10) J.-P. Collin, J. Frey, V. Heitz, J.-P. Sauvage, C. Tock, L. Allouche "Adjustable Receptor Based on a [3]Rotaxane...", *J. Am. Chem. Soc.* **131**, 5609 (2009).
- 11) J.-P. Collin, F. Durola, J. Frey, V. Heitz, F. Reviriego, J.-P. Sauvage, Y. Trolez and K. Rissanen, "Templated Synthesis of Cyclic [4]Rotaxanes Consisting of Two Stiff Rods Threaded through Two Bis-macrocycles...", *J. Am. Chem. Soc.* **132**, 6840 (2010).
- 12) F. Niess, V. Duplan, J.-P. Sauvage "Interconversion between a Vertically Oriented Transition Metal-Complexed Figure-of-Eight and a Horizontally Disposed One", *J. Am. Chem. Soc.* **136**, 5876 (2014).

Awards and Honours:

A few selected awards are listed below :

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|------|---|
| 1978 | Bronze Medal from the CNRS |
| 1979 | French Chemical Society Award in Coordination Chemistry |
| 1980 | Jean-Baptiste Dumas Award from the French Academy of Sciences |
| 1987 | French Chemical Society Award in Organic Chemistry |
| 1988 | CNRS Silver Medal |
| 1991 | Izatt-Christensen Award in Macrocyclic Chemistry |
| 1994 | Prelog Gold Medal, ETH-Zürich (Switzerland) |
| 1995 | World Nessim Habib Award, University of Geneva |
| 1997 | Member of the French Academy of Sciences |
| 2000 | Centenary Lecturer and Medal (Royal Society of Chemistry, United Kingdom) |
| 2005 | Pierre Süe Prize of the French Society of Chemistry |
| 2005 | Catalan Sabatier Prize of the Royal Spanish Society of Chemistry (RSEQ) |
| 2007 | Chair of the 21st Solvay Conference in Chemistry, "From noncovalent assemblies to molecular machines", Brussels, 28 November – 1st December |
| 2008 | RB Woodward Award in Porphyrin Chemistry |
| 2009 | Japan Coordination Chemistry Award |
| 2010 | Honorary Doctorate, University of Zurich |
| 2012 | "Luigi Tartufari" International Prize, Accademia Nazionale dei Lincei (Italy)
Blaise Pascal Medal 2012 in Chemistry of the European Academy of Sciences
Elected as Fellow of the European Academy of Sciences |
| 2014 | "Grand Prix de la Fondation de la Maison de la Chimie" |

Named Lectures and International Lectureships :

Donders Lectureship, University of Utrecht (Netherlands), **1992**; University of Pavia (Italy), **1992**; University of Bern (Switzerland), **1992**; University of Bologna (Italy), **1993**; University of Louvain la Neuve (Belgium), **1994**; "Andrews Lecturer", University of Sydney (Australia), **1994**; "Earl Muetterties Memorial Lecturer", University of Berkeley, (USA), **1995**; "H.H King Lecturer", Kansas State University (USA), **1995**; "Reilly Lecturer", Notre Dame University (USA), **1996**; "Frontiers in Chemical Research" Lecturer, Texas A & M University, **1996**; "Morris S. Kharasch" Lecturer, University of Chicago, **1998**; "Taft" Lecturer, University of California, Irvine **1999**; "Barré Lecturer", University of Montréal, **1999**; Centenary Lecturer (Royal Society of Chemistry, United Kingdom), **2000**; "Descartes Lecture" of the Royal Netherland Academy of Arts and Sciences, **2000**; University of La Laguna (Spain), **2001**; University of Santiago de Compostela (Spain), **2001**; "Musher Lecture", The Hebrew University of Jerusalem (Israël), **2001**; "Les Power" Lecture, James Cook University, Townsville (Australia), **2004**; "Steinhofer Lecture 2006", Technical University of Kaiserslautern (Germany), **2007**; University of Hokkaido, Sapporo (Japan), **2010**; Institute for Molecular Science, Okazaki (Japan), **2010**; The Henlein Hall Lectures, Bowling Green State University (USA), **2012**; University of Geneva (Switzerland), **2012**; The R.J.P. Williams Lecture, Oxford University (UK), **2013**; "Prominent" Professor at the University of Kanazawa (Japan), **2016**.

On the **Editorial Board** of the following journals (passed and present #) :

Bulletin de la Société Française de Chimie, Compte Rendu Chimie#, New Journal of Chemistry#, Bulletin of the Chemical Society of Japan#, Acta Chimica Scandinavia, Bioorganic Chemistry Frontiers, Structure and Bonding (1997 -)#, Inorganic Chemistry (1997-1999 and 2004-2007), Chemical Society Reviews : Editor-in-Chief (1997-2000), Inorg. Chemistry Communication (2003-)#, Chemistry Letters (2010-)#

Publications and Citations :

More than 500 publications between 1969 and 2016; more than 600 lectures and seminars at international or French meetings, in universities and in industrial or governmental research centres. According to ISI Web of Knowledge, Jean-Pierre Sauvage is a "HighlyCited" chemist (more than 32,000 citations with an average citation number of 68 per publication). His h-index is equal to 92.