



I. Huc

The author presented on this page has recently published his **10th article** since 2000 in *Angewandte Chemie*: “Parallel and Antiparallel Triple Helices of Naphthylidene Oligoamides”: Y. Fermand, A. M. Kendhale, J. Garric, B. Kauffmann, I. Huc, *Angew. Chem.* **2010**, 122, 1822–1825; *Angew. Chem. Int. Ed.* **2010**, 49, 1778–1781.

Ivan Huc

Date of birth:	December 11, 1969
Position:	CNRS Researcher Director, Group Leader and Co-Director at the European Institute of Chemistry and Biology, University of Bordeaux (France)
Education:	1991 BSc, Ecole Normale Supérieure (ENS), Paris (France) 1994 PhD with Christian Rolando (ENS, Paris) and Julius Rebek, Jr. (MIT, Cambridge; USA), “From Recognition to Catalysis: Synthesis and Study of Organic Enzyme Models” 1995 Post doc with Jean-Paul Behr, University of Strasbourg (France)
Professional associations:	1995–1998 CNRS researcher, University of Strasbourg 1998–Present Group leader at IECB in Bordeaux, France
Awards:	1999 Bronze Medal of the CNRS, 2003 Acros Prize of the French Chemical Society, 2008 Jecker Prize of the French Academy of Science
Current research interests:	Foldamers, supramolecular chemistry, and bioorganic chemistry. In short, to show that chemical design, synthesis, and self-assembly are relevant tools to elaborate large and complex artificial architectures comparable to biopolymers in terms of size, complexity, and efficiency; to show that the patterns of life are not restricted to the molecules that nature has selected; to explore the extent to which artificial bioinspired architectures can adopt structures, achieve tasks that are beyond the reach of natural backbones, and can give rise to new functions and applications
Hobbies:	Mountain climbing, biking, gardening

My biggest motivation is ... curiosity.

The secret of being a successful scientist is ... to constantly raise one's standards and creativity.

My favorite subject at school was ... mathematics.

When I was eighteen I wanted to be ... an ethologist.

When I wake up I ... wish I could sleep longer.

The most significant scientific advance of the last 100 years has been ... to unravel the molecular basis of life.

The biggest challenge facing scientists is ... to make scientific progress as acceptable to society in the future as it has been in the last 100 years.

My first experiment ... turned into a fire on the kitchen table.

If I were not scientist, I would be ... a musician or a doctor.

My work is significant because ... other people say so.

In ten years time I will ... still be looking forward.

The best advice I have ever been given is ... to do what one is good at.

The part of my job which I enjoy the most is ... interpreting experimental data.

My 5 top papers:

1. “Converting Sequences of Aromatic Amino Acid Monomers into Functional Three-Dimensional Structures: Second-Generation Helical Capsules”: C. Bao, B. Kauffmann, Q. Gan, K. Srinivas, H. Jiang, I. Huc, *Angew. Chem.* **2008**, 120, 4221–4224; *Angew. Chem. Int. Ed.* **2008**, 47, 4153–4156. A concept that will go a long way.
2. “Development and Biological Assessment of Fully Water-Soluble Helical Aromatic Amide Foldamers”: E. R. Gillies, F. Deiss, C. Staedel, J.-M. Schmitter, I. Huc, *Angew. Chem.* **2007**, 119, 1459–4162; *Angew. Chem. Int. Ed.* **2007**, 46, 4081–4084. A bridge from supramolecular chemistry concepts to biological activity.
3. “Aromatic δ -Peptides”: H. Jiang, J.-M. Léger, I. Huc, *J. Am. Chem. Soc.* **2003**, 125, 3448–3449. A cornerstone of our current research and collaborations.
4. “Interconversion of Single and Double Helices Formed from Synthetic Molecular Strands”: V. Berl, I. Huc, R. G. Khoury, M. J. Krische, J.-M. Lehn, *Nature* **2000**, 407, 720–723. A discovery which convinced me (and others) of the huge potential of aromatic amide foldamers.
5. “Gemini Surfactants as New Low Molecular Weight Gelators of Organic Solvents and Water”: R. Oda, I. Huc, S. J. Candau, *Angew. Chem.* **1998**, 110, 2835–2838; *Angew. Chemie. Int. Ed.* **1998**, 37, 2689–2691. A simple design, yet unmatched properties.

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