

Dr. Ivan JABIN

Date of Birth: Dec. 17, 1968 Nationality: French

Université Libre de Bruxelles (U.L.B.)

Laboratoire de Chimie Organique, Avenue F. D. Roosevelt 50 CP160/06
B-1050 Brussels, BELGIUM

Phone: +32 2 650 35 37; Fax +32 2 650 27 98; e-mail: ijabin@ulb.ac.be



EDUCATION

July. 2004 Habilitation

University of Le Havre, Unité de Recherche en Chimie Organique et Macromoléculaires, France.

Sept. 96 Ph.D. in Organic Chemistry

University of Paris VI, Ecole Supérieure de Physique et de Chimie Industrielles (ESPCI), France.
Laboratory of Organic Chemistry (UMR 7084).

Advisor: Dr. M. Pfau, Research Director at CNRS.

June 92 M.S. in Organic Chemistry

Diplôme d'Etudes Approfondies (DEA), University of Paris VI, France.

ESPCI, Laboratory of Organic Chemistry, (UMR 7084).

Same place and direction as above.

RESEARCH EXPERIENCE

Oct. 06/present Professor

Université Libre de Bruxelles (ULB), Belgium.

Head of the Organic Chemistry Laboratory

Themes: *syntheses, study of the host-guest properties and self-assembly of new calix[6]arene based receptors. Use of calixarenes for surface modification, in chiral recognition, biomimetism and as sensors.*

Sept. 98/sept 06 Assistant Professor (Maître de Conférences)

University of Le Havre, Unité de Recherche en Chimie Organique et Macromoléculaire, France.

Head of the Supramolecular Chemistry research group.

Research on *the synthesis and study of new calix[6]arene based receptors.*

Jan. 98/aug. 98 Post-doctoral position in Organic/Macrocyclic Chemistry

Conservatoire National de Paris des Arts et Métiers, Lab. of the Nuclear Sciences, Paris, France.

Research on the *synthesis of macrocyclic N-ligands for the separation of actinides vs lanthanides.*

Supervisors: Pr. A. Guy et Pr. J. Foos.

Oct. 96/Dec. 97 Post-doctoral position in Organic/Medicinal Chemistry

Lehigh University, Bethlehem, PA, USA.

Research on the *synthesis of novel photo-therapeutic agents.*

Supervisor: Pr. N. D. Heindel.

Sept. 93/Sept. 96 Ph. D. in Organic Chemistry

University of Paris VI, France. Ecole Supérieure de Physique et de Chimie Industrielles (ESPCI),
Laboratory of Organic Chemistry, (UMR 7084).

Thesis: *"Enantioselective Michael-type reaction of functionalized chiral cyclanone imines with substituted electrophilic olefins. Synthetic applications in the terpene field".*

Advisor: Dr. M. Pfau, Research Director at CNRS.

TEACHING EXPERIENCE

Courses:

- Organic Chemistry (B.S., M.S. levels)
- Asymmetric Synthesis (M.S. level)
- Medicinal Chemistry (B.S. level)
- 2D NMR Spectroscopy (M.S. level)

PUBLICATIONS

**Author of 102 publications, 3 book chapters and 4 international patents.
30 invited oral presentations**

Selected publications (2005 -2018):

Le Gac, S.; Zeng, X.; Reinaud, O.; Jabin, I. *J. Org. Chem.* **2005**, *70*, 1204-1210.

Izzet, G.; Douziech, B.; Prangé, T.; Tomas, A.; Jabin, I.; Le Mest, Y.; Reinaud, O. *Proc. Nat. Acad. Sci.* **2005**, *102*, 6831-6836.

Darbost, U.; Rager, M.-N.; Petit, S.; Jabin, I.; Reinaud, O. *J. Am. Chem. Soc.* **2005**, *127*, 8517-8525.

Darbost, U.; Zeng, X.; Giorgi, M.; Jabin, I. *J. Org. Chem.* **2005**, *70*, 10552-10560.

Le Gac, S.; Marrot, J.; Reinaud, O.; Jabin, I. *Angew. Chem., Int. Ed. Engl.* **2006**, *45*, 3123-3126.

Zeng, X.; Coquière, D.; Alenda, A.; Garrier, E.; Prangé, T.; Li, Y.; Reinaud, O.; Jabin, I. *Chem. Eur. J.* **2006**, *12*, 6393-6402.

Le Gac, S.; Zeng, X.; Girardot, C.; Jabin, I. *J. Org. Chem.* **2006**, *71*, 9233-9236.

Izzet, G.; Zeng, X.; Over, D.; Douziech, B.; Zeitouny, J.; Giorgi, M.; Jabin, I.; Le Mest, Y.; Reinaud, O. *Inorg. Chem.* **2007**, *46*, 375-377.

Darbost, U.; Sénèque, O.; Li, Y.; Bertho, G.; Marrot, J.; Rager, M.-N.; Reinaud, O.; Jabin, I. *Chem. Eur. J.* **2007**, *13*, 2078-2088.

Le Gac, S.; Jabin, I. *Chem. Eur. J.* **2008**, *14*, 548-557.

Le Gac, S.; Marrot, J.; Jabin, I. *Chem. Eur. J.* **2008**, *14*, 3316-3322.

Hamon, M.; Ménand, M.; Le Gac, S.; Luhmer, M.; Dalla, V.; Jabin, I. *J. Org. Chem.* **2008**, *73*, 7067-7071.

Izzet, G.; Zeitouny, J.; Akdas-Killig, H.; Frapart, Y.; Ménage, S.; Douziech, B.; Jabin, I.; Le Mest, Y.; Reinaud, O. *J. Am. Chem. Soc.* **2008**, *130*, 9514-9523.

Le Gac, S.; Ménand, M.; Jabin, I. *Org. Lett.* **2008**, *10*, 5195-5198.

Ménand, M.; Jabin, I. *Org. Lett.* **2009**, *11*, 673-676.

Coquière, D.; Le Gac, S.; Darbost, U.; Sénèque, O.; Jabin, I.; Reinaud, O. *Org. Biomol. Chem.*, **2009**, *7*, 2485-2500.

Ménand, M.; Leroy, A.; Marrot, J.; Luhmer, M.; Jabin, I. *Angew. Chem., Int. Ed. Engl.* **2009**, *48*, 5509-5512.

Le Poul, N.; Douziech, B.; Zeitouny, J.; Thiabaud, G.; Colas, H.; Conan, F.; Cosquer, N.; Jabin, I.; Lagrost, C.; Hapiot, P.; Reinaud, O.; Le Mest, Y. *J. Am. Chem. Soc.* **2009**, *131*, 17800-17807.

Ménand, M.; Jabin, I. *Chem. Eur. J.* **2010**, *16*, 2159-2169.

Moerkerke, S.; Ménand, M.; Jabin, I. *Chem. Eur. J.* **2010**, *16*, 11712-11719.

Gomila, A.; Le Poul, N.; Cosquer, N.; Kerbaol, J.-M.; Noël, J.-M.; Reddy, M. T.; Jabin, I.; Reinaud, O.; Conan, F.; Le Mest, Y. *Dalton Trans.* **2010**, *39*, 11516-11518.

Mattiuzzi, A.; Jabin, I.; Moucheron, C.; Kirsch-De Mesmaeker, A. *Dalton Trans.* **2011**, *40*, 7395-7402.

Lejeune, M.; Picron, J.-F.; Mattiuzzi, A.; Lascaux, A.; De Cesco, S.; Brugnara, A.; Thiabaud, G.; Darbost, U.; Colasson, B.; Reinaud, O.; Jabin, I. *J. Org. Chem.*, **2012**, *77*, 3838-3845.

Mattiuzzi, A.; Jabin, I.; Mangeney, C.; Roux, C.; Reinaud, O.; Santos, L.; Bergamini, J.F.; Hapiot, P.; Lagrost, C. *Nat. Commun.* **2012**, *3*, 1130.

Mattiuzzi, A.; Marcélis, L.; Jabin, I.; Moucheron, C.; Kirsch-De Mesmaeker, A. *Inorg. Chem.* **2013**, *52*, 11228–11236.

Inthasot, A.; Dang Thy, M.-D.; Lejeune, M.; Fusaro, L.; Reinaud, O.; Luhmer, M.; Colasson, B.; Jabin, I. *J. Org. Chem.*, **2014**, *79*, 1913-1919.

Rebarz, M.; Marcélis, L.; Ménand, M.; Cornut, D.; Moucheron, C.; Jabin, I.; Kirsch - De Mesmaeker, A. *Inorg. Chem.* **2014**, *53*, 2635-2644.

Hamon, M.; Dickinson, N.; Devineau, A.; Bolien, D.; Tranchant, M.-J.; Taillier, C.; Jabin, I.; Harrowven, D.C.; Whitby, R.J.; Ganesan A.; Dalla V. *J. Org. Chem.* **2014**, *79*, 1900-1912.

Brunetti, E.; Picron, J.-F.; Flidrova, K.; Bruylants, G.; Bartik, K.; Jabin, I. *J. Org. Chem.* **2014**, *79*, 6179-6188.

Santos, L. Mattiuzzi, A.; Jabin, I.; Vandencastele, N.; Reniers, F.; Reinaud, O.; Hapiot, P.; Lhenry, S.; Leroux, Y.; Lagrost, C. *J. Phys. Chem. C*, **2014**, *118*, 15919-15928.

Lavendomme, R.; Leroy, A.; Luhmer, M.; Jabin, I. *J. Org. Chem.* **2014**, *79*, 6563-6570.

Cornut, D.; Moerkerke, S.; Wouters, J.; Bruylants, G.; Jabin, I. *Chem. Asian J.* **2015**, *10*, 440-446.

Danjou, P.-E.; De Leener, G.; Cornut, D.; Moerkerke, S.; Mameri, S.; Lascaux, A.; Wouters, J.; Brugnara, A.; Colasson, B.; Reinaud, O.; Jabin, I. *J. Org. Chem.* **2015**, *80*, 5084-5091.

Lavendomme, R.; Zahim, S.; De Leener, G.; Inthasot, A.; Mattiuzzi, A.; Luhmer, M.; Reinaud, O.; Jabin, I. *Asian J. Org. Chem.* **2015**, *4*, 710-722.

Le Poul, N.; Le Mest, Y.; Jabin, I.; Reinaud, O. *Acc. Chem. Res.* **2015**, *48*, 2097-2106.

Moerkerke, S.; Wouters, J.; Jabin, I. *J. Org. Chem.* **2015**, *80*, 8720-8726.

Lavendomme, R.; Cragg, P.J.; Marcos, P.M.; Luhmer, M.; Jabin, I. *Org. Lett.* **2015**, *17*, 5690-5693.

Inthasot, A.; Brunetti, E.; Lejeune, M.; Ménard, N.; Prangé, T.; Fusaro, L.; Bruylants, G.; Reinaud, O.; Luhmer, M.; Jabin, I.; Colasson, B. *Chem. Eur. J.* **2016**, *22*, 4855-4862.

Zahim, S.; Wickramasinghe, L. A.; Evano, G.; Jabin, I.; Schrock, R. R.; Müller, P. *Org. Lett.* **2016**, *18*, 1570-1573.

Troian-Gautier, L.; Valkenier, H.; Mattiuzzi, A.; Jabin, I.; Van den Brande, N.; Van Mele, B.; Hubert, J.; Reniers, F.; Bruylants, G.; Lagrost, C.; Leroux, Y. *Chem. Commun.* **2016**, *52*, 10493-10496.

De Leener, G.; Evoung-Evoung, F.; Lascaux, A.; Mertens, J.; Porras-Gutierrez, A. G.; Le Poul, N.; Lagrost, C.; Over, D.; Leroux, Y. R.; Reniers, F.; Hapiot, P.; Le Mest, Y.; Jabin, I.; Reinaud, O. *J. Am. Chem. Soc.* **2016**, *138*, 12841-12853.

Troian-Gautier, L.; Martinez-Tong, D.; Hubert, J.; Reniers, F.; Sferrazza, M.; Mattiuzzi, A.; Lagrost, C.; Jabin, I. *J. Phys. Chem. C* **2016**, *120*, 22936-22945.

Lavendomme, R.; Marcélis, L.; Wouters, J.; Luhmer, M.; Jabin, I. *Chem. Commun.* **2016**, *52*, 14109-14112.

Lavendomme, R.; Malytskyi, V.; Vandermeersch, J.; Luhmer, M.; Jabin, I. *Synthesis* **2017**, *49*, 1009-1023.

Lavendomme, R.; Ajami, D.; Moerkerke, S.; Wouters, J.; Rissanen, K.; Luhmer, M.; Jabin, I. *Chem. Commun.* **2017**, *53*, 6468-6471.

Valkenier, H.; Malytskyi, V.; Blond, P.; Retout, M.; Mattiuzzi, A.; Goole, J.; Raussens, V.; Jabin, I.; Bruylants, G. *Langmuir* **2017**, *33*, 8253-8259.

De Leener, G. ; Over, D. ; Smet, C. ; Cornut, D. ; Gabriel Porras-Gutierrez, A. ; López, I. ; Douziech, B. ; Le Poul, N. ; Topić, F. ; Rissanen, K. ; Le Mest, Y. ; Jabin, I. ; Reinaud, O. *Inorg. Chem.* **2017**, *56*, 10971-10983.

Inthasot, A.; Le Poul, N.; Luhmer, M.; Colasson, C.; Jabin, I.; Reinaud, O. *Inorg. Chem.* **2018**, *57*, 3646-3655.

Blond, P.; Mattiuzzi, A.; Valkenier, H.; Troian-Gautier, L.; Bergamini, J.-F.; Doneux, T.; Goormaghtigh, E.; Raussens, V.; Jabin I. *Langmuir* **2018**, *34*, 6021-6027.

Malytskyi, V.; Troian-Gautier, L.; Mattiuzzi, A.; Lambotte, S.; Cornelio, B.; Lagrost, C.; Jabin, I. *Eur. J. Org. Chem.* **2018**, DOI: 10.1002/ejoc.201801253.

Collin, S.; Parrot, A.; Marcelis, L.; Brunetti, E.; Jabin, I.; Bruylants, G.; Bartik, K.; Reinaud, O. *Chem. Eur. J.* **2018**, DOI: 10.1002/chem.201804768.