

Julien BRIOCHE, Ph.D.

Maître de Conférences — Assistant Professor

E-mail

Phone

Experience

Since Sept.
2015

- *Fluorinated Biomolecules team*

Jan. 2014-
Aug. 2015

Prof. Jonathan Clayden

- *Conformation Control of polypeptides for Transmembrane communication*

Nov. 2011-

Oct. 2013

Prof. Janine Cossy Dr. Christophe Meyer

- *Development of new chemical transformations using ynamides*

Nov. 2010-
Oct. 2011

Prof. Samir Zard

- *Preparation of unsaturated motives by a process of radical transfer/elimination reaction using xanthates as radical precursors and total synthesis of natural products*

Jan. 2009-
Oct. 2010

Prof. Jieping Zhu Dr. Géraldine Masson

- *Development of isocyanide-based multi-component reactions under oxidative conditions and asymmetric organocatalyzed multi-component reactions*

Oct. 2005-
Oct. 2008

Prof. Joseph Harrity

- *Synthesis of functionalized pyrans from epoxides and application in total synthesis of natural products*
- *Development of a palladium-catalyzed [1,3]-O-to-C rearrangement of pyrans towards functionalized cyclohexanones*

Oct. 2004-
Jul. 2005

Dr. René Grée

- *Design and synthesis of a new class of PPAR agonists*

Mar. 2004-
Aug. 2004

Dr. Alfio Borghese

- *Development of alternative routes to a candidate molecule for clinical tests*

May 2003-
Jun. 2003

Prof. Pierre-Henri Dixneuf Dr. Cédric Fischmeister

- *Synthesis of Imidazolium salts and their application as Arduengo Carbenes in olefins metathesis*

Education

2005-2008

2004-2005

2003-2004

2002-2003

2000-2002

Conferences

Sept. 2013

Poster

Mar. 2011

Poster

Aug. 2010

Lecture

Jun. 2009

Poster

Sept. 2008

Lecture

Jul. 2008

Poster

Nov. 2007

Lecture

Oct. 2007

Lecture

Publications

- [8] Brioche, J. *J. Am. Chem. Soc.* **2015** 137 *Conformational Switching of a Foldamer in a Multi-Component system by pH-Filtered Selection between Competing Non-Covalent Interactions*
- [7] Brioche, J. *Adv. Synth. Cat.* **2014** 356 *Chiral Phosphoric Acid-Catalyzed Enantioselective Three-Component Aza-Diels-Alder Reactions of Aminopyrroles and Aminopyrazoles*
- [6] Brioche, J.; *Org. Lett.* **2013** 15 *Synthesis of Functionalized Allenamides from Ynamides by Enolate Claisen Rearrangement*
- [5] Brioche, J. *Org. Lett.* **2011** 13 *Elimination Versus Ring Opening: A Convergent Route to Alkylidene Cyclobutenes*
- [4] Brioche, J. C. R *Org. Lett.* **2010** 12 *Palladium-Catalyzed [1,3]-O-to-C Rearrangement of Pyrans towards Functionalized Cyclohexanones*
- [3] Brioche, J. *Org. Lett.* **2010** 12 *Passerini Three-Component Reaction of Alcohols under Catalytic Aerobic Oxidative Conditions*
- [2] Brioche, J. C. R *J Org Chem* **2008** 73 *Investigation of an Organomagnesium Based [3+3] Annulation to Pyrans and its Application in the Synthesis of Rhopaloic Acid A*
- [1] Brioche, J. C. R *Org Lett* **2007** 9 *A [3+3] Annulation Approach to (+)-Rhopaloic Acid B*

Review

- [1] **Brioche, J.** *Curr.Org. Chem.* **2011** 24
Catalytic Enantioselective Cycloaddition with Chiral Lewis Bases

Patent

- [1] ; **Brioche, J**
*Novel Heterocyclic
Derivatives, Methods for Preparing them and Pharmaceutical Compositions Containing them*

Expertise and Skills

**Organic
Chemistry**

**Analytic
Methods**

Language