



Pr Philippe JUBAULT



Professor in Organic Chemistry / INSA Rouen Normandie

Team: Fluorinated Biomolecules Synthesis

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PROFESSIONAL EXPERIENCES

- 2009- Professor in Organic Chemistry; INSA Rouen Normandie
- 2000-2009 Lecturer in Organic Chemistry; INSA Rouen Normandie
- 1998-2000 PDRA / Advisor: Prof. J.-C. Quirion (Rouen, FR)
- 1997-1998 PDRA / Advisor: Prof. V. K. Aggarwal (Sheffield, UK)
- 1996-1997 PDRA in Hydro-Québec (Shawinigan, CA)

EDUCATION

- 1992- 1996 Ph.D. Organic Chemistry (Pr. Collignon & Feasson) INSA (Rouen, FR).
- 1991 Engineer Diploma "Chemistry and Processes" INSA Rouen

ADMINISTRATIVE & INSTITUTIONAL RESPONSIBILITIES

- 2019- Co-director of COBRA Laboratory.
- 2019- Head of Research Department of Labex SynOrg
- 2019- Member of the Research Department of EUR XLChem
- 2017- Member of the board of directors INSA Rouen Normandie
- 2017-2020 Head of Joint Laboratory between COBRA and JANSSEN
- 2009-2015 Head of Chemistry Department CFI INSA Rouen Normandie

RESEARCH INTERESTS

Asymmetric Synthesis; Catalytic Enantioselective Synthesis of Cyclopropanes; SF₅ Chemistry; Electrosynthesis; Photocatalysis; Flow Chemistry.

Collaborations with Pr. A. B. Charette (Univ. Montréal, Canada), Pr. R. Fasan (Univ. Rochester, USA), Pr. L.-W. Xu (Univ. Hangzhou, China), Pr. S. Iwasa (Univ. Toyohashi, Japon), Dr. F. Cavalier (Univ. Montpellier, France), Pr. S. Thibaudeau (Univ. Poitiers, France)

SCIENTIFIC ACHIEVEMENTS

Academic record (h-index: 20)

79 publications, 8 books/book chapters, 4 patents, 35 invited lectures

GRANTS AND FELLOWSHIPS

Project API "Industrial and Pharmaceutical Autonomy" (2020-2023 Normandy region & AAP DRACCARE) in collaboration with Dr. J. Legros and Pr. T. Poisson (COBRA)

RIN-TREMLIN # EFLUX (2020-2022 / Normandy region) in Collaboration with Dr. M. Durandetti, Dr. S. Oudeyer, Pr. T. Poisson (COBRA) and Pr. A.B. Charette & Pr. H. Lebel (Univ. Montréal)

TEACHING ACTIVITIES

IINSA Rouen Normandie (département: Chimie Fine et Ingénierie): Analytical Electrochemistry, Analytical Chemistry (Practical Sessions), NMR, Organic Chemistry.

PUBLICATIONS (6 recent publications)

Decaens, J.; Couve-Bonnaire, S.; Charette, A.; Poisson, T. Jubault, P. *Synthesis of fluoro, monofluoromethyl, difluoromethyl and trifluoromethyl-substituted three membered rings*. *Chem. Eur. J.* **2020** (accepted) : DOI: [10.1002/chem.202003822](https://doi.org/10.1002/chem.202003822)

Chen, M.-Y.; Pannecoucke, X.; Jubault, P.; Besset, T. *Pd-Catalyzed Selective Chlorination of Acrylamides at Room Temperature*. *Org. Lett.* **2020**, *22*, 7556.

Poutrel, P.; Pannecoucke, X.; Jubault, P.; Poisson, T. *Stereoselective Synthesis of Terminal Monofluoroalkenes from Trifluoromethylated Alkenes*. *Org. Lett.* **2020**, *22*, 4858.

Huang, W.-S.; Delcourt, M.-L.; Pannecoucke, X.; Charette, A. B.; Poisson, T. Jubault, P. *Catalytic Asymmetric Synthesis of α,α -Difluoromethylated and α -Fluoromethylated Tertiary Alcohols*. *Org. Lett.* **2019**, *21*, 7509.

Pons, A.; Tognetti, V.; Joubert, L.; Poisson, T.; Pannecoucke, X.; Charette, A. B.; Jubault, P. *Catalytic enantioselective synthesis of ν -fluoroacylates: an experimental and theoretical study*. *ACS Catal.* **2019**, *9*, 2594.

Bos, M.; Huang, W.-S.; Poisson, T.; Pannecoucke, X.; Charette, A. B.; Jubault, P. *Catalytic enantioselective synthesis of highly functionalized difluoromethylated cyclopropanes*. *Angew. Chem. Int. Ed.* **2017**, *56*, 13319.

CONFERENCES & SEMINARS (5 recent)

[1] Synthesis of functionalized fluorocyclopropanes, difluoromethyl and trifluoromethyl cyclopropanes and applications. Université de Sherbrooke, Canada, 09/10/2019.

[2] Synthesis of functionalized fluorocyclopropanes, difluoromethyl and trifluoromethyl cyclopropanes and applications. Université de Sherbrooke, Canada, 09/10/2019.

[3] Synthesis of functionalized fluorocyclopropanes, difluoromethyl and trifluoromethyl cyclopropanes and applications. Faculty of Pharmaceutical Sciences, Hokkaido University, Sapporo, Japon, 07/11/2018.

[4] Synthesis of functionalized fluorocyclopropanes, difluoromethyl and trifluoromethyl cyclopropanes and applications. Graduate School of Pharmaceutical Sciences, Kyoto University, Kyoto, Japon, 01/11/2018.

[5] Synthesis of fluorocyclopropanes and difluoromethylated cyclopropanes. Zhejiang University of Technology, Hangzhou, Chine, 23/10/2017.