

VINCENT DEBRAUWER



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WORK EXPERIENCES

- Feb. 2018 – Present : PhD in Organic Chemistry at **LIMA, UMR 7042, Université de Strasbourg** under the supervision of Dr. N. Blanchard and Dr. V. Bizet.
Development of new methodologies to access pentafluorosulfanyl-containing molecules and palladium catalyzed hydrometalation of polarized alkynes.
(1 publication, 1 poster and 2 publications in progress) (*Contacts: n.blanchard@unistra.fr, vbizet@unistra.fr*)
- May – Nov. 2017 : Master Thesis at **ICBMS UMR 5246, Université de Lyon** under supervision of Dr. A. Tlili.
New synthetic approaches for the introduction of fluoroalkylselenolated moiety onto organic molecules.
(2 publications) (*Contact: anis.tlili@univ-lyon1.fr*)
- Jul. 2015 – Jul. 2016 : One year placement **Origenis GmbH in Munich, Germany**.
Synthesis of potential biologically active molecules and their application as kinase inhibitors.
(*Contact: roland.koestler@origenis.de*)
- Jul. – Aug. 2014 : Internship at **Pierre Fabre R&D** in Toulouse, France, under the supervision of Dr. C. Jacques
I took part at different projects within several services of the company.
(*Contact: Carine.jacques@pierre-fabre.com*)
- Mar. – Jul. 2013 : Internship in **Pr. R. Batey group, University of Toronto, Canada** under the supervision of Pr. R. Batey.
Synthesis of a new set of carbamoylimidazole and their application as blocked isocyanates.
(*Contact: rbatey@chem.utoronto.ca*)

EDUCATION

Sept 2013 – Nov. 2017 **Ecole supérieure de Chimie Physique Electronique de Lyon / CPE Lyon**
Master's degree in Engineering + Bachelor's degree, specialization in Organic Chemistry and Inorganic Chemistry.

Sept 2016 – April. 2017. **University of Calgary, CANADA** (5th year exchange student program)

Sept 2011 – Juin 2013. **Université Paul Sabatier** (Toulouse III) 2 years technical degree, Chemistry

EXPERTISE AND SKILLS

- Organic chemistry
- Organometallic chemistry
- Fluorine chemistry
- Palladium and copper catalysis
- Photoredox catalysis
- Medicinal chemistry
- Pharmaceutical research
- Hazardous gas reagent handling
- Schlenk line and glove box
- Automatic flash chromatography and HPLC preparative
- NMR, HRMS and infrared analyses
- Supervision of interns
- Organization of the LIMA symposium (2018 and 2019).

- Languages : French (Native), English (*Cambridge Advance Examination* level C1 obtained in 2017), Spanish (basics).

PUBLICATIONS (June 28th, 2020)

1- “Ligand-Controlled Regiodivergent Palladium-Catalyzed Hydrogermylation of Ynamides”

V. Debrauwer, A. Turlik, L. Rummler, A. Prescimone, N. Blanchard, K. N. Houk, V. Bizet, *J. Am. Chem. Soc.* **2020**, *142*, 11153–11164. doi : [10.1021/jacs.0c03556](https://doi.org/10.1021/jacs.0c03556)

2- “Visible-Light-Mediated Metal-Free Synthesis of Trifluoromethylselenolated Arenes”

C. Ghiazza, V. Debrauwer, C. Monnereau, L. Khrouz, M. Médebielle, T. Billard, Anis Tlili. *Angew. Chem. Int. Ed.* **2018**, *57*, 11781-11785. doi : [10.1002/ange.201806165](https://doi.org/10.1002/ange.201806165)

3- “Exploring the Reactivity of Trifluoromethyl Tolueneselenosulfonate with Alkynes under Copper Catalysis”

C. Ghiazza, V. Debrauwer, T. Billard, A. Tlili, *Chem. Eur. J.* **2018**, *24*, 97-100. doi : [10.1002/chem.201705231](https://doi.org/10.1002/chem.201705231)