

PhD student

Site-specific nanobody functionalisation as PET imaging and therapy
Faculty of Medicine and Pharmacy, University of Brussels

Contact information

BRIDOUX Jessica
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Education

2016 – current: **PhD Student**, working on site-specific nanobody functionalisation as PET imaging and therapy –theranostic tool, at the Faculty of Medicine and Pharmacy, University of Brussels, (Dr. C. XAVIER, VUB – Vrije Universiteit Brussel, BELGIUM).

2013 – 2016: **Engineering diploma**, passed with distinction and International grade, specialising in **organic chemistry**, at the Engineering School of Caen (ENSICAEN – Ecole Nationale Supérieure d'Ingénieurs de Caen, FRANCE).
Master 2 in research in organic chemistry at the University of Caen, FRANCE.

2011 – 2013: A two-year preparatory course at Lille National Graduate School of Chemistry (ENSCL – Ecole Nationale Supérieure de Chimie de Lille, FRANCE).

06/2011: Baccalauréat scientifique passed with distinction and with European grade.

Work experience

2016: **Final internship in a company** – 6 months: Contribution to the development of synthesis process of active ingredients. (Dr. O. MARREC, PCAS, Limay, FRANCE).

2015 – 2016: **Project** (approx. 80h) Bibliography and synthesis of anilin by a CHAPMAN rearrangement. (Prof. J. ROUDEN, LCMT, Caen, FRANCE).

2015: **Internship in a laboratory** – 4 months: Synthesis and biomedical evaluation of potential ligands for fluorescence imaging and positron emission tomography. New asymmetric way to synthesise phosphonoproline. (Prof. Dr. G. HAUFE, Institut of Organic Chemistry, Münster University, GERMANY).

2014 – 2015: **Project** (approx. 70h) Radical addition of halogen phosphate on olefin under microwave irradiation (Prof. D. VILLEMEN, LCMT, Caen, FRANCE).

2013 – 2014: **Project** (approx. 40h) Synthesis of organometallic complexes of fluorescent iridium. (Lect. S. GAILLARD, LCMT, Caen, FRANCE).

Languages

French: Native language

English: Fluent (10 years of study including 5 years in a European class, TOEIC Score = 955)

German: Good level B1-B2 (9 years of study)

Japanese: Good level (6 years of study)

Miscellaneous

- Skills:* IT (Word, Excel, MatLab, Language C, Reaxys), Analysis (use of RMN, IFR, GC, HPLC, micro-wave), Training of individuals, Driving licence, First aid aptitude certification.
- Volunteering:* **Vice-president of "Avenir & Culture Lycée"** 2014 – 2015 (Organisation of cultural trips and visits in businesses for socially deprived high school students), **Secretary of "Bureau des Arts"** of ENSICAEN 2014 – 2015 (Organisation of cultural events at the Engineering School), **President of the "plastic art club"** at the ENSICAEN 2014 – 2015.
- Summer jobs:* 2012, 2013 and 2014 – 2 months in "Petit Hotel & restaurant OLD AGE" in Kiyosato, JAPAN. (*Activitie* : waitressing, training of new employees, shop-keeping, chores).
- Hobby:* Fencing (since 2010), Drawing, Japanese culture, Plastic arts.