

# Vincent Lafouasse

*B.Sc. in Chemistry*

## Research Interest

I am mainly interested in the field of Molecular Chemistry, especially Organic Synthesis, Total Synthesis and Supramolecular Chemistry

## Education

- 2018–now **Master (M.Sc.)**, *Université Paris-Sud*, Orsay (91).  
Organic Chemistry platform
- 2017–2018 **Bachelor (B.Sc.)**, *Sorbonne Université*, Paris (75), .  
Fundamentals of Chemistry and Physics
- 2015–2017 **Bachelor (B.Sc.)**, *Ecole Normale Supérieure de Lyon*, Lyon (69), .  
élève normalien : A unique, non-specialized training program in Physics and Chemistry
- 2013–2015 **Classe Préparatoires (CPGE)**, *Lycée Henri IV*, Paris (75), .  
PCSI/PC\* : Two years of intensive theoretical courses in Mathematics, Physics and Chemistry in order to prepare for école Normale Supérieure national selective exam
- 2013 **Baccalauréat (A-levels)**, *Lycée de l'Île-de-France*, Villebon-sur-Yvette (91).  
Science major, Highest Honours

## Experience

### Research

- 2020 **4 month internship**, *ICMMO (UMR 8182)*, Orsay (91), Electrocatalysis and CO<sub>2</sub> valorization.  
Under the direction of Mohamed Mellah and Emmanuelle Schulz  
Préparation de dérivés de type acide 2-phénylpropanoïque énanti enrichis, en partant d'halogénures benzéniques secondaires par activation du CO<sub>2</sub> en présence de quantités catalytiques de Sm(II) électrogénéré
- 2018 **Lab week**, *Sorbonne Université*, Paris (75), Supramolecular Chemistry.  
Under the direction of Matthieu Sollogoub (IPCM, GOBS) as part of the UE 3C015 TEOREM  
Detailed achievements :
  - Study of  $\beta$ -CD based inclusion compounds
  - Synthesis and RMN characterisation of a  $\alpha$ -CD based [3]-rotaxane
  - Synthesis and RMN characterisation of a self-assembled iron cage
- 2014-2015 **TIPE**, *Lycée Henri IV*, Paris (75), Supramolecular Chemistry.  
Under the direction of Julien Lalande  
Detailed achievements :
  - Synthesis of dibenzo-18-crown-6 using Pedersen's original protocol
  - Qualitative and quantitative study of crown ether complexes with different cations

28 square du clos de Villaine – 91300 Massy – FRANCE

☎ +33 6 21 59 25 74 • 📞 +33 9 50 40 28 82

✉ [vincentlafouasse@live.fr](mailto:vincentlafouasse@live.fr)

## Teaching

2018–now **Chemistry Professor**, *Optimal Sup Spé*, Paris (75).

Teaching groups of CPGE students from all scientific tracks (PC, MP, PSI, BCPST)

Detailed achievements :

- +12h of formation and +200 h of class
- $\text{\LaTeX}$  edition
- Preparation of students for the national entrance exams to XENS

---

## Languages

French Fluent

*Native speaker*

English Fluent

*C2 BULATS 05/18*

---

## Skills

Molecular Chemistry Organic Synthesis, Total Synthesis, Supramolecular Chemistry

General Chem Quantum Chemistry, Spectroscopy, Cristallography

Physics Quantum Mechanics, Thermodynamics

Programming Python🐍,  $\text{\LaTeX}$ , Julia🌈, C

---

## Interests

Music Jazz guitar, Trumpet

Music theory and Jazz harmony

Dance

28 square du clos de Villaine – 91300 Massy – FRANCE

📞 +33 6 21 59 25 74 • 📞 +33 9 50 40 28 82

✉ [vincentlafouasse@live.fr](mailto:vincentlafouasse@live.fr)