PhD student in Chemistry / Biochemistry
Engineering of metalloenzymes for non-natural reactivities

Looking for a Postdoctoral position in Biocatalysis / Biochemistry

Manon PUJOL
30/06/1996
(26 years)

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EDUCATION

2019 - 2023 **Aix Marseille University – PhD Thesis**
Doctoral School of Chemical Sciences

2017 - 2019 **Strasbourg University – Master degree in Green Chemistry**
With the Highest Honors – Head of class

2014 - 2017 **Nice Sophia Antipolis University – Bachelor's degree in Chemistry**
With the Highest Honors – Head of class

2011 - 2014 **High School Diploma in Sciences**
With the Highest Honors

PROFESSIONAL EXPERIENCES

2019 - 2023 **PhD Thesis**
Aix Marseille University – Institute of Molecular Sciences of Marseille – BiosCiences Team
Engineering of metalloenzymes for non-natural reactivities
Supervisors : Jalila Simaan – Christophe Decroos

Oral communications

- Engineering of a copper metalloenzyme for abiological catalysis – 27th Chemistry day in PACA (2021)
- Engineering of a copper metalloenzyme for non-natural reactivities – Frenchbic (2021)
- Engineering of a copper metalloenzyme for new-to-Nature reactivities – GDR 2088 BIOMIM [1] (2021) – **First price**
- Engineering of metalloenzymes for non-natural catalysis – RJ-SCF [2] Webinar for the RJ-SCF Young Student Award (2022) – **RJ-SCF Young Student Award**

[1] Biomimicry and Bioinspiration research group of the CNRS
[2] Youth Network of the Chemical Society of France

Posters

Engineering lytic polysaccharide monooxygenases
- 10th Franco-Italian Chemistry Days (2022)
- Junior scientists microbiology meeting of Marseille (2022)
- Scientific day of the doctoral school (2022) – **First price**

Popularization of science

- Popularization video of the PhD project
- Speed dating with high school students (2021)
- European Researchers' Night (2022)
- Science Fair (2022)
- Laureate (4th) in the photo competition of the Chemical Society of France (2022)

SKILLS

Scientific skills

Organic synthesis – Homogeneous and heterogeneous catalysis – Flow chemistry – Biocatalysis – Biochemistry (PCR, protein production in a bacterial heterologous system, protein purification by affinity chromatography, electrophoresis) – Analytical techniques (NMR, GC, HPLC, Mass spectrometry, EPR, UV-vis spectroscopy, Fluorimetry, Potentiometry)

Langage skills

- French : Native
- English : Professional proficiency
- Spanish : High school level
- Finish : Beginner

Computer skills

Pack office – C langage– Chemdraw – Mestrenova – NMR Notebook – Pymol – Prism – Zotero

INTERESTS

Sports

Volleyball, beach volleyball, climbing, skiing, kayaking, sailing

Hobbies

Travels, nature photography, fun experiments with Blob (*Physarum polycephalum*), genealogy (family tree until 1600)

Courses and supervision

- Article analysis tutorial - Inserm School Liliane Bettencourt (2021 & 2022)
- Supervision of five students

01/2019 - 07/2019 **Research Intern**

Côte d'Azur University – Chemistry institute of Nice – Aromas, Perfumes, Synthesis and Modeling Team – Sustainable Chemistry Group

Supervisor : Sylvain Antoniotti

Study of heterogeneous catalysts for the development of batch and flow synthesis methodologies

03/2018 - 06/2018 **Research Intern**

Strasbourg University - Synthesis, Organic Reactivity and Catalysis Laboratory

Supervisors : Stéfan Chassaing and Valérie Bénéteau

Synthesis of phenols and diaryl ethers *via* a Chan-Lam coupling catalyzed by a copper (I) doped zeolite

05/2016 - 07/2016 **Research Intern**

Côte d'Azur University – Chemistry institute of Nice - Condensed Matter Physics Laboratory

Supervisor : Guilhem Godeau

Synthesis of monomers for the development of superhydrophobic polymers

G. Godeau, Y. Ben Taher, **M. Pujol**, F. Guittard, T. Darmanin, *Journal of Fluorine Chemistry*, 191, 90 **(2016)**

Summers 2017 2015 **Au Pair Girl**

Whiltshire – **England**

Jalasjarvi – **Finland**