

Pierre Josse, Ph.D.

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SKILLS

- Theoretical**
- Fully trained in organic chemistry, including organic chemistry basic functions and mechanisms, as well as the usual characterization techniques.
 - Organic synthesis, organometallics, heterocyclic chemistry, polymer chemistry.
 - Basics optics and physics.
 - Highly developed analytical and problem-solving skills.
- Practical**
- Design of robust synthetic routes and reactions troubleshooting, for the synthesis of organic dyes.
 - Very familiar with neutral atmosphere reactions (Schlenk techniques and glove box).
- Analytical**
- Good knowledge of separation techniques such as column chromatography and size exclusion chromatography.
 - Good knowledge of spectroscopic techniques such as ¹H and ¹³C NMR, UV-visible, fluorescence, FTIR.
 - Good knowledge of polymer analysis (SEC, TGA, DSC).
 - Routine use of scientific softwares such as SciFinder, Chemdraw, Microsoft Office.
 - Trained in devices preparation (organic solar cells)
- Teaching**
- Teaching Assistant (undergraduate students), 2015-2016, Topic: General chemistry, theoretical and practical, University of Angers (64 hrs)
 - Supervision of a trainee students (Master), 2017, University of Angers (6 months)
 - Supervision of three trainee students (Undergraduate and Master), 2019, University of Ottawa (6 months)
 - Supervision of three PhD students, 2022, University of Angers (1 year)
- Personal**
- Excellent interpersonal skills and good organizational capabilities.
 - Able to work on own initiative and as part as a team.
 - French native speaker, fluent in English.

EXPERIENCES AND PLACEMENTS

January 1st 2024-current		Post-doctoral researcher, IBS Center for Quantum Nanoscience, Ewha Womans University, Seoul, South Korea
September 13th 2022- December 31st 2023	1.25 year	CNRS Post-doctoral Fellowship between the University of Angers, MOLTECH-Anjou laboratory, France and IRL 2BFUEL at Yonsei University, Seoul, South Korea
September 13th 2021- September 12th 2022	1 year	Post-doctoral Fellowship at the University of Angers, MOLTECH-Anjou laboratory, France. AZA-BTX - N-annulation of benzothioxanthene derivatives: Synthesis, characterization and use for organic electronics
March 5th 2019 – March 4th 2020	1 year	Post-doctoral Fellowship at the University of Ottawa, Lessard Research Group, Canada. Development of new materials for organic electronics applications
2015-2018	3 years	Ph.D. student at MOLTECH-Anjou laboratory, University of Angers, France. Dye-based materials for organic photovoltaics
2015	6 months	Master 2 (M.Sc+1) trainee at MOLTECH-Anjou laboratory, University of Angers, France. Synthesis and characterizations of new non-fullerene acceptors for organic solar cells

EDUCATION

2015-2018	Ph.D. in Organic Chemistry under the supervision of Dr. Jean RONCALI, Dr. Philippe BLANCHARD and Dr. Clément CABANETOS, University of Angers, France.
2013-2015	Master degree M.Sc. , graduated with distinction, « Chimie fine, Matériaux fonctionnels et Nanosciences », University of Angers, France
2010-2013	Bachelor's degree (B.Sc.) , « Chimie et Médicaments », University of Angers, France.