



Dr Laetitia Chausset-Boissarie



CNRS Researcher

MESOO team

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PROFESSIONAL EXPERIENCES

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| 2022- | Researcher Scientist CNRS; COBRA, Rouen Normandy University, France. |
| 2015-2022 | Researcher Scientist CNRS; MSAP USR3290, Lille University, France. |
| 2013-2015 | Postdoctoral Associate; LCPBT UMR 8601, Advisor: Dr. F. Acher, Paris Descartes University, France. |
| 2012-2013 | Postdoctoral Associate; ICOA UMR 7311, Advisor: Prof. I. Gillaizeau, Orléans University, France |
| 2011-2012 | Postdoctoral Associate; Advisor: Prof. V. K. Aggarwal, Bristol University, UK. |

EDUCATION

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| 2021 | <i>Habilitation degree</i> , Lille University. |
| 2006-2011 | <i>Ph.D.</i> in Organic Chemistry (Supervisor E. P. Kündig), Geneva University, Switzerland. |

ADMINISTRATIVE & INSTITUTIONAL RESPONSIBILITIES

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| 2022-- | Co-coordinator of 'NormandieFlowChem' Platform. |
| 2021- | Member of the Section 12 of the National Committee for Scientific Research. |

RESEARCH INTERESTS

- Flow Chemistry
- Electrosynthesis
- Photochemistry
- Organolithium chemistry

SCIENTIFIC ACHIEVEMENTS

Academic record (h-index: 10)

23 publications, 1 book chapter, 2 patents, 9 invited lectures (academia & industry)

SUPERVISION ACTIVITIES

5 PhD thesis supervised • 5 post-doctoral research associates • 6 Master 2 students

GRANTS AND FELLOWSHIPS

Coordinator of 5 Regional grants (Région Hauts-de-France et Normandie).

ANR JCJC CE07 2019 FloRyn Flow photochemistry and reactive intermediates a win win combination, Coordinator.

TEACHING ACTIVITIES

Lecture courses in Flow synthesis (Graduate School of Chemistry-Normandy) and electrosynthesis (Technician degree-University of Rouen)

PUBLICATIONS

Selected Publications

1. *An electrolyte free electrochemical C-H trifluoromethylation of 2-pyridones under batch and flow conditions*
Leclercq, E.; Moncomble, A.; Debavelaere, C; Beaucamp, M.; Penhoat, M.; Chausset-Boissarie, L* *Green Chem.*, **2022**, 24, 7388.
2. *Multiple wavelength (365 – 475 nm) complete actinometric characterization of Corning® Labphoto Reactor using azobenzene as a highly soluble, cheap and robust chemical actinometer*
Roseau, M.; Chausset-Boissarie, L.; Gremetz, S.; Roth, P. M. C., Penhoat, M.* *Photochem Photobiol Sci* **2022**, 21, 421
3. *Electrochemical sulfonylation of imidazoheterocycles in Batch and continuous Flow*
Leclercq, E.; Boddaert, M.; Beaucamp, M.; Penhoat, M.; Chausset-Boissarie, L* *Org. Biomol. Chem.* **2021**, 19, 9379.
4. *Azobenzene: a visible-light chemical actinometer for the characterization of fluidic photosystems*
Roseau, M.; De Waele, V.; Trivelli, X.; Cantrelle, F-X.; Penhoat, M.; Chausset-Boissarie, L.* *Helv. Chim. Acta* **2021**, 104, e2100071.
Chausset-Boissarie, L.,* Cheval, N.; Rolando, C.* *Molecules*, **2020**, 25, 5532.
5. *Metal Free ATRP Catalyzed by Visible Light in Continuous Flow*
El Achi, N.; Bakkour, Y.; Adhami, W.; Molina, J.; Penhoat, M.; Azaroual, N.; Chausset-Boissarie, L.; Rolando, C.* *Front. Chem.*, **2020**, 8, 740.
6. *Continuous photocatalyzed aerobic oxidation of benzylic organotrifluoroborates to benzaldehydes under Taylor flow conditions*
Roseau, M.; Dhaouadi, N.; Rolando, C.; Chausset-Boissarie, L.*; Penhoat, M.* *J. Flow Chem.*, **2020**, 10, 347. (**Special issue: Emerging Investigators in Flow Chemistry**).

7. *Sensitized [2+2] intramolecular photocycloaddition of unsaturated enones using UV LEDs in a continuous flow reactor: kinetics and preparatives aspect*
El Achi, N; Gelat, N; Cheval, N. P.; Mazzah, A.; Bakkour, Y.; Penhoat, M.; Chausset-Boissarie, L.; Rolando, C.* *React. Chem. Eng.* **2019**, 4, 828. (**Article selected for the issue cover**).
8. *Continuous UV-Flow Microsystem for Efficient Radical Generation from Organotrifluoroborates by Photoredox Catalysis*
El Achi, N.; Penhoat, M.; Bakkour, Y.; Rolando, C.; Chausset-Boissarie, L.* *Eur. J. Org. Chem.* **2016**, 25, 4284.
9. *Direct Metal Catalyzed Fonctionnalization of Enamides*
Gigant, N.; Chausset-Boissarie, L.; Gillaizeau, I.* *Chem. Eur. J.* **2014**, 20, 7548
10. *Enantiospecific, Regioselective Cross-Coupling Reactions of Secondary Allylic Boronic Esters*
Chausset-Boissarie, L.; Ghazati, K.; Labine, E.; Chen, J.; Aggarwal, V. K.; Crudden, C.* *Chem. Eur. J.* **2013**, 19, 17698.