



PHOTOCATALYZED SYNTHESIS OF NOVEL SCAFFOLDS & LEVERAGING TECHNOLOGY FOR MEDICINAL CHEMISTRY

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Photocatalysis is revolutionizing organic synthesis by enabling milder conditions and introducing novel reactivities. This presentation will showcase our innovative approach to synthesizing unprecedented molecules using advanced photocatalytic methodologies.

In a second part, we will delve into our expertise in photoreactor devices, highlighting our efforts to benchmark commercially available photoreactors and design our own device. The culmination of the talk will focus on adapting photocatalysis for high-throughput experimentation and DNA-encoded library technology.

References:

M. Auvray, M. Jeanty, P. Jubault, T. Poisson "Photoinduced Minisci Reaction with Diazines: An Approach Toward Original Fused Heterocycles" *Chem. Eur. J.* 2023, 29, e202301417.

S. Guizzetti, J. C. Monbaliu et al. "On a seamlessly replicable circular photoreactor for lab-scale continuous flow applications" *React. Chem. Eng.*, 2024,9, 1646-1655