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Innovation in Synthetic Fluorine Chemistry Through Use of Flow

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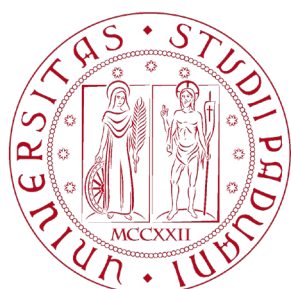


- Simple, modular and accessible setup
- Controlled and safe generation of highly reactive intermediates
- Direct access to translational applications
- Fast, scalable and economical processes

Fluorine chemistry is a crucial field in the development of advanced materials and drugs, as fluorine-containing compounds have unique properties that are highly sought after. Despite many recent advancements in the synthesis of these compounds, many traditional methods still present challenges in terms of selectivity, efficiency, and scalability.

This is where flow chemistry comes in as a highly efficient and practical solution. The use of flow reactors in this method provides precise control of reaction conditions, as well as the ability to scale up reactions quickly and easily. In this lecture, we will explore the efficient synthesis of various fluorinated moieties and examine the advantages of using flow chemistry as a means of achieving this synthesis. Through case studies, we will highlight the effectiveness and efficiency of this approach.

Prof. Michele Maggini
Direttore del Dipartimento
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