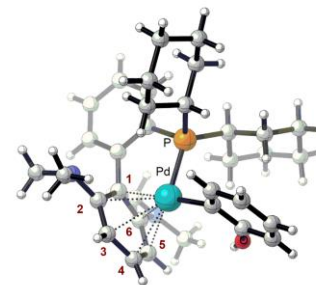




UNIVERSITÉ
DE GENÈVE

FACULTY OF SCIENCE
Department of Organic
Chemistry

Open position for MSc thesis work



Mazet Lab



The Mazet lab offers a position for a MSc thesis work (9 months; 60 ECTS), which can be combined with the MSc internship (2 months; 16 ECTS).

The central themes of our research fall within **mechanistic** and **synthetic organic chemistry**. In this context, we place emphasis on all aspects of **selective catalysis**, driven by the devise of new reactivity patterns and the discovery of unprecedented reaction mechanisms. On one hand, the challenges associated with novel reactivity and selectivity often stimulates the interest for a given transformation. On the other hand, our selection of target reactions is guided by the objective of synthesizing small molecules that find applications in multiple areas such as food, fragrance, materials, medicinal chemistry, pharmaceutical. State-of-the-art physical-organic chemistry tools are used to glean insight into the nature and the fate of the intermediates that govern all aspects of reactivity and selectivity. Supporting **organometallic chemistry** at the stoichiometric level provides important structurally relevant mechanistic information.

The candidate will develop expertise in both synthetic organic chemistry and organometallic chemistry (air-sensitive compounds) and will gain a solid knowledge in analytical techniques (NMR, IR, MS, HPLC, SFC, X-ray...). Exposure to modern computational methods is also anticipated.

Course requirement: the candidate must have completed the MSc course on *Transition metals in organic synthesis and catalysis* (14C026) or any other course deemed equivalent.

Interested candidates are encouraged to apply directly by email: clement.mazet@unige.ch

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