Master Thesis Opportunity

Flow Chemistry in Microreactors

This project aims at the establishment of a sustainable and green synthesis route in chemical industry, in particular the development and optimization of the synthesis of an organic acid chloride starting from the corresponding carboxylic acid. The topic comprises the building and setup of a simple flow system, the synthesis of the acid chloride under continuous flow conditions, and the optimization of the synthetic protocol with respect to yield, atom economy, and overall space-time-yield.

You should be motivated to enter an intriguing interdisciplinary field with industrial relevance. You will learn how simple preparative chemistry can be introduced into industrial production and experience the factors relevant for academics as well as for industry.

The project will be conducted in strong collaboration with a German chemical company situated near Munich. For more information you are highly welcome to contact Konstantin.Karaghiosoff@cup.uni-muenchen.de