



Proof of concept; Immobilization of various targets in lipidic cubic phases via oxime linkage

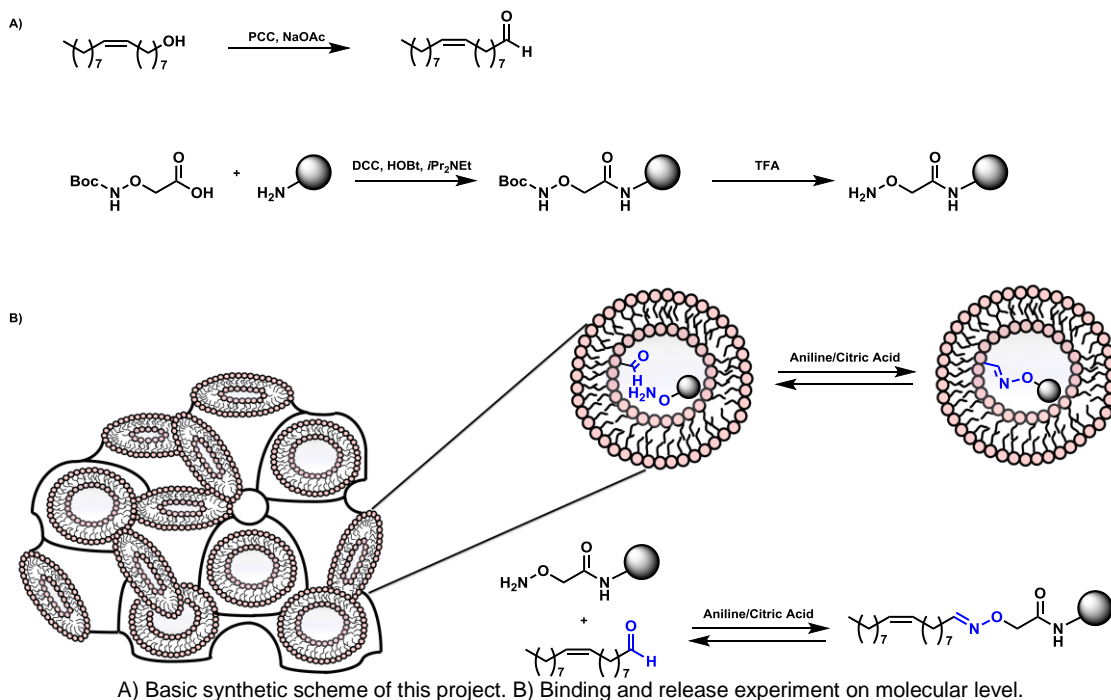
Master Thesis or Internship

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Lipidic cubic phases are structured three-dimensional biomaterials consisting of lipid, water and possible additives; they exhibit advantageous material properties such as transparency, malleability, an intercommunicating water channel system, and are therefore promising candidates for drug delivery, model systems for membranes or as solid matrices for catalysis.

This project includes design and chemical synthesis of the target molecules, assembly and characterization of the lipidic cubic phase host with the additive guest as well as binding and release experiments with these mesophases.



The proposed experiments will be conducted in our laboratories and a PhD candidate in our group would closely supervise the potential student.

For any questions or applications, please contact: Prof. Dr. Ehud Landau (ehud.landau@chem.uzh.ch)
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