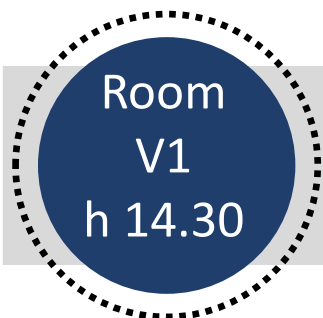


The Chemist's Interactions

Seminars @ the Chemistry Department



Friday, 23rd February 2024

Helma Wennemers

Laboratory of Organic Chemistry
D-CHAB, ETH Zürich (CH)



Peptides – Molecular Allrounders

In nature, self-assembly and selective recognition events involving proteins are critical for the function of many processes, including catalysis, signal transduction, and the formation of structural components such as bones. My group is intrigued by the question of whether also peptides with significantly lower molecular weights compared to proteins can fulfill functions for which nature evolved large macromolecules. We ask whether peptides can serve as effective asymmetric catalysts, templates for the formation of metal nanoparticles, hierarchical supramolecular assemblies, synthetic collagen-based materials, or tumor-targeting vectors.

After a brief introduction, the audience will have the choice between a lecture focused on “Asymmetric Catalysis with Peptides”, “Synthetic Collagen Peptides – From Structure to Function”, and “Controlling Supramolecular Assemblies with Peptidic Scaffolds”.



The event will be streamed on
MS Teams for external participants!

For registrations: seminari.dipchi@unimi.it



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