



GESELLSCHAFT DEUTSCHER CHEMIKER
Ortsverband Osnabrück

**“Artificial Phospholipids
Synthesis, Biophysics, and Applications ”**

Dr. Andreas Zumbühl

InnoMedica Holding AG, Bern, Schweiz

Phospholipids are at the heart and origin of life on this planet. The possibilities in terms of phospholipid self-assembly and biological functions seem limitless. Nonetheless, nature exploits only a small fraction of the available chemical space of phospholipids. Using chemical synthesis, additional, artificial phospholipid structures become accessible, and the study of their biophysics may reveal unprecedented properties.

In this presentation, we journey away from standard spherical bilayer liposomes into the world of developable surface liposomes such as liposomal cubes, and liposomal sphericons. And we will have a look at mechanosensitive liposomes and their potential in targeted drug delivery for the treatment of heart attacks and stroke.

Der Vortrag findet am **Di., 14.01.2025, 16:15 Uhr** im CellNanOs statt:
Raum 38/201, Barbarastr. 11, 49076 Osnabrück

Besucher sind herzlich willkommen!

Der Ortsverbandsvorsitzende:

Prof. Dr. Andreas Hennig, Chemie Osnabrück, Universität Osnabrück
Tel.: 0541 969-2495; Email: andreas.hennig@uni-osnabrueck.de