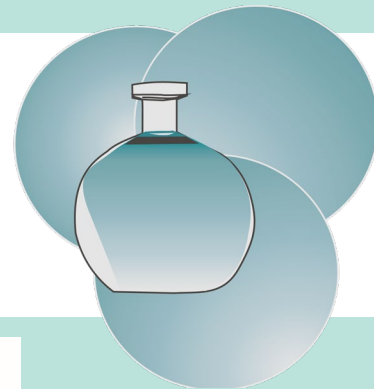


Fakultät für Naturwissenschaften Institut für Chemie



lädt ein

gemeinsam mit der Gesellschaft
Deutscher Chemiker
zum

Vortrag
von Herrn

**Prof. Hans-
Dieter Arndt**

Lehrstuhl für Organische
Chemie I

**Friedrich-Schiller-
Universität Jena**



“From Natural Products Synthesis to Tool Compounds for Chemical Biology”

am: 10. April 2025

um: 16:00 Uhr

WO: im Raum 1/232

Gäste sind herzlich willkommen!

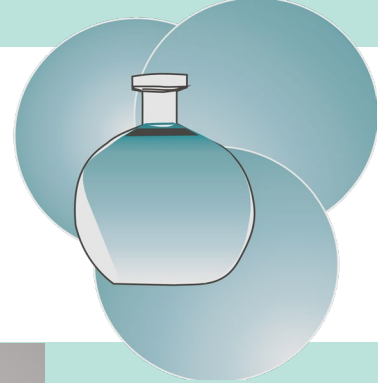


TECHNISCHE UNIVERSITÄT
IN DER KULTURHAUPTSTADT EUROPAS
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Prof. Hans-Dieter Arndt

Lehrstuhl für Organische Chemie I

Friedrich-Schiller-Universität Jena



„From Natural Products Synthesis to Tool Compounds for Chemical Biology“

Bioactive natural products have always been important indicators for novel biological functions in Chemical Biology. At the same time, they propel innovation toward advancing synthetic Organic Chemistry. The lecture will illustrate several case studies, such as the microbial chalcophore methanobactin, the algal growth factor thallusin and the cytoskeletal photoswitches derived from the marine toxin jasplakinolide, in order to demonstrate how synthetic development together with Chemical Biology may lead to novel tool compounds that can be universally applied.