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MACROCYCLES FOR DRUG DISCOVERY

ONLINE LECTURE SERIES

bringing together world experts to explore the frontiers of macrocycles in modern drug discovery

1st Thursday every month at 17:00
(Berlin time, unless otherwise noted)

join us via Zoom Link:

https://tu-darmstadt.zoom-x.de/j/64384397721?pwd=0bWgCcqVS4PDAQckDQVER9wzcAsZu4.1

Upcoming Lectures

09 October 2025: (Thursday, 124 participants)

17:00 Scott Lokey (UC Santa Cruz, US):
Investigating Structure-permeability relationships in cyclic peptide scaffolds using mass-encoded libraries

17:45 Jan Kihlberg (Uppsala University, SE):
Macrocycles in Drug Discovery - Reaching intracellular difficult-to-drug targets

06 November 2025: (Thursday)

17:00 Giulia Caron (Univeristy of Torino, IT):
Property-Based Drug Design: Principles and Adapting Ro5 Strategies to Macrocycles

17:45 Sereina Riniker (ETH Zurich, CH):
In Silico Exploration of Cyclic Peptides – Structure-Permeability Relationships

This project has received funding from the European Union´s HORIZON-MSCA-2023-DN-01 under Grant Agreement 101168916.

04 December 2025: (Thursday)

17:00 Adrian Whitty (Boston University, US):

What does a 'druglike macrocycle' look like

17:45 Andrei Yudin (University of Toronto, CA):

Strategic replacement of amino acid residues in macrocycles: Enabling iterative construction of novel scaffolds for drug discovery

05 Feburary 2026

17:00 Felix Hausch (Technical University Darmstadt, DE):

Cyclic linkerology – the art of closing ends

17:45 Nele-Johanna Hempel-Højgaard (NovoNordisk, DK):

Peptidic macrocycles – an upcoming modality

05 March 2026

17:00 Hiroaki Suga (University of Tokyo, JP):

Pseudonatural macrocycles

17:45 Frauke Pohlki (AbbVie, DE):

Macrocyclic MCL-1 Inhibitors

02 April 2026

13:00 Weibo Yang (Shanghai Institute of Materia Medica, Chinese Academy of Science, CN)

13:45 Ryuji Hayashi (Chugai, JP)

Orally Bioavailable Cyclic Peptide Drug Discovery Platform Targeting an Intracellular Protein

28 May 2026

17:00 Pierre-Luc Boudreault (University of Sherbrooke, CA):

Macrocycles as Next-Generation Non-Opioid Analgesics Targeting NTS2

17:45 tbd

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02 July 2026

17:00

17:45

03 September 2026

13:00 (tbc) Ke Ding (Shanghai Institute of Organic Chemistry, Shanghai, CN)

13:45 tbd

05 November 2026

17:00 Christian Heinis (École Polytechnique Fédérale de Lausanne, CH):

Development of membrane permeable cyclic peptides for addressing intracellular targets and oral application

17:45

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