



Life Sciences and
Facility Management

Institute of
Chemistry and Biotechnology

A 3D molecular model of a protein-ligand complex. The protein backbone is shown as a grey ribbon with yellow circuit-like patterns. A pink sphere represents a ligand bound to the protein. The background is a purple gradient with a yellow, bubbly texture at the bottom.

13th Wädenswil Day of Life Sciences

hosts

Competencies in Drug Discovery

June 9th, 2022

www.zhaw.ch/icbt/day-of-lifesciences

Introduction

Pharmaceutical research is of great importance to society as it represents a major industry and improves people's lives. In this context, drug discovery and development are crucial steps in improving treatment options for patients. These are challenging and highly interdisciplinary projects with a high degree of complexity. Meeting these challenges requires diverse collaboration between different scientific disciplines as well as between academia and industry. A **Center of Excellence for Drug Discovery** is therefore being established at the Institute of Chemistry and Biotechnology at ZHAW to foster, support and successfully implement these collaborations. The symposium „Competencies in Drug Discovery“ aims to discuss projects from different therapeutic indications in an interdisciplinary way and to promote the interaction of biological, chemical and medical competencies.

We look forward to a lively and fruitful exchange with you in Wädenswil!

Scientific Lead

Prof. Dr. Rainer Riedl

Head of Organic and Medicinal Chemistry
Institute of Chemistry and Biotechnology,
ZHAW Wädenswil

Prof. Dr. Martin Sievers

Head of Microbiology and Molecular Biology
Institute of Chemistry and Biotechnology,
ZHAW Wädenswil

Program – Thursday, June 9th, 2022

08.30	Registration
09.00	Welcome to the ZHAW, news and outlook Prof. Dr. Christian Hinderling, Zurich University of Applied Sciences (CH)
09.15	Center of Excellence for Drug Discovery Prof. Dr. Rainer Riedl Zurich University of Applied Sciences (CH)
09.30	A topical drug for a tropical bug: How a Swiss academic/private network is developing BAC-ZHAWOC-6027 to treat cutaneous leishmaniasis Dr. Michael Adams Bacoba AG (CH)
10.00	Approaches towards innovative antibiotics from myxobacterial natural products Prof. Dr. Rolf Müller Helmholtz Centre for Infection Research (DE)
10.30	Coffee break with poster session
11.00	Antivirals discovery against paramyxoviruses PD Dr. Philippe Plattet University of Bern (CH)
11.30	The treasure hunt of novel antibiotics produced by actinomycetes: lessons from the R&D of glycopeptides Prof. Dr. Flavia Marinelli Università degli Studi dell'Insubria (IT)
12.00	Networking lunch and exhibition
13.30	Metabolomics assisted natural product discovery from marine fungi Prof. Dr. Deniz Tasdemir GEOMAR Helmholtz Centre for Ocean Research Kiel (DE)
14.00	Development of small molecules to block CD93-signaling in leukemia patients Prof. Dr. Carsten Riether Bern University Hospital (CH)
14.30	Bioactive natural products from bacteria: how much do we know Prof. Dr. Jörn Piel ETH Zurich (CH)
15.00	Coffee break with poster session

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15.30 **Enhancing NO/sGC/cGMP pathway with new soluble guanylyl cyclase (sGC) agonists**
Prof. Dr. Manolis Fousteris
University of Patras (GR)

16.00 **Performance Boosted Antibiotics and Drug-Loaded Microbots Against Bacterial Infections**
Prof. Dr. Karl Gademann
University of Zurich (CH)

16.30 **USP18 as a checkpoint for IFN signaling and ISG15 deconjugation: From ko mice via structural analysis to therapeutic options**
PD Dr. Klaus-Peter Knobeloch
University Clinic Freiburg (DE)

17.00 Aperitif and networking

General Information

Fee

Participants	CHF 150.-
Participants presenting a poster	CHF 0.-

Registration

Online registration: www.zhaw.ch/icbt/day-of-lifesciences

E-Mail: weiterbildung.lsfm@zhaw.ch

The registration deadline is June 7th, 2022

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Location

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