



Life Sciences and
Facility Management

Institute of
Chemistry and Biotechnology

A 3D molecular model of a protein structure is shown against a purple background. The protein backbone is represented by a grey ribbon with yellow circuit-like patterns. A pink sphere is attached to the structure, and a stick model of a molecule is shown in black, blue, and red. The background features a blurred yellow and orange gradient at the bottom.

15th Wädenswil Day of Life Sciences

hosts

Competencies in Drug Discovery

2nd edition

June 6th, 2024

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

Introduction

With the second edition of our symposium “**Competencies in Drug Discovery**” we would like to further strengthen the refreshing exchange between the disciplines involved in drug discovery. The discovery and development of new drugs of medical importance requires the interaction of biological, chemical, and medical expertise. It is precisely this target group that we are addressing with this year’s symposium at our **Competence Center for Drug Discovery**.

Speakers from industry and universities will provide first-hand, interdisciplinary insights into new therapeutic approaches for various indications and the resulting potential for drug development. Exhibitors will also promote their latest products and a poster session will allow for informal exchange. Both experienced scientists and young researchers will benefit from the wide range of activities at this one-day symposium.

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 6th, 2024

Chair

Dr. Daniela Angst
Novartis Pharma AG (CH)

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 **The amphibian microbiome and disease resilience**

Prof. Dr. Douglas C. Woodhams
University of Massachusetts Boston (USA)

10.00 **Fully synthetic vaccines: where do we stand**

Dr. Arin Ghasparian
Shape Biopharmaceuticals Inc. (USA)
Shape Biopharmaceuticals GmbH (CH)

10.30 **Coffee break and exhibition**

11.00 **The long road to a new medicine: the importance of research and development for unleashing the full potential of plasma-derived biotherapeutics**

Dr. Svetlana Diditchenko, Dr. Madlene von Känel
CSL Behring AG (CH)

11.30 **New lead structures for antibacterials by structure based fragment screening**

PD Dr. Günter Fritz
University of Hohenheim (DE)

12.00 **Networking lunch and poster session**

13.30 **Biogenesis and applications of bacterial membrane vesicles**

Prof. Dr. Leo Eberl
University of Zurich (CH)

14.00 **Opportunities and challenges in the development of isoDGR-based small molecule-drug conjugates for targeted tumor therapy**

Dr. Silvia Gazzola
Università degli Studi dell'Insubria (IT)

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14.30 **Manipulating H₂S as treatment:
experience of a startup**

Prof. Dr. Alexander So
Sulfiscon SA (CH)

15.00 **Coffee break and exhibition**

15.30 **Developing copper ionophores as a stress
burnout strategy against therapy resistant
NRAS melanoma**

Dr. Andreas Dzung
University Hospital Zurich (CH)

16.00 **New avenues towards MS treatments:
targeting the innate immune system**

Prof. Dr. Thorsten Buch
University of Zurich (CH)

16.30 **Networking**

General Information

Exhibitors (at the time of printing)

IGZ Instruments AG - Bienta/Enamine Ltd. - CEM GmbH -
Merck & Cie KmG - Bachem AG - CCOS - HUBERLAB AG -
BÜCHI Labortechnik AG

Sponsors (at the time of printing)



Fee

Participants	CHF 150.–
Participants presenting a poster	free
ZHAW employees and ZHAW students	free

Registration

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

E-Mail: weiterbildung.lsfm@zhaw.ch

The registration deadline is June 1th, 2024.

Call for posters

The Day of Life Science conference committee is pleased to announce a call for posters. Abstracts for poster presentations linked to drug discovery and development should be submitted online until May 1st, 2024.

E-Mail: info.icbt@zhaw.ch

Poster format: DIN A0 color print in portrait orientation.

Contact:

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Location

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