



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 prominent pink sphere is attached to the structure. The model is set against a background of a yellow, bubbly liquid.

# 15<sup>th</sup> Wädenswil Day of Life Sciences

hosts

## Competencies in Drug Discovery

2<sup>nd</sup> edition

**June 6<sup>th</sup>, 2024**

[www.zhaw.ch/icbt/day-of-lifesciences](http://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 6<sup>th</sup>, 2024

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## **Chair**

Dr. Daniela Angst  
Novartis Pharma AG (CH)

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08.30      **Registration**

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09.00      **Welcome to the ZHAW, news and outlook**

Prof. Dr. Christian Hinderling  
Zurich University of Applied Sciences (CH)

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09.15      **Center of excellence for drug discovery**

Prof. Dr. Rainer Riedl  
Zurich University of Applied Sciences (CH)

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09.30      **The amphibian microbiome and  
disease resilience**

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

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

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

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10.30      **Coffee break and exhibition**

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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, Madlene von Känel (MSc)  
CSL Behring AG (CH)

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

PD Dr. Günter Fritz  
University of Hohenheim (DE)

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12.00      **Networking lunch and poster session**

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

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

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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 H<sub>2</sub>S as treatment:  
experience of a startup**

Prof. Dr. Alexander So  
Sulfiscon SA (CH)

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15.00      **Coffee break and exhibition**

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

Dr. Andreas Dzung  
University Hospital Zurich (CH)

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

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

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16.30      **Networking**

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# 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](http://www.zhaw.ch/icbt/day-of-lifesciences)

E-Mail: [weiterbildung.lsfm@zhaw.ch](mailto:weiterbildung.lsfm@zhaw.ch)

The registration deadline is June 1<sup>th</sup>, 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 1<sup>st</sup>, 2024.

E-Mail: [info.icbt@zhaw.ch](mailto:info.icbt@zhaw.ch)

Poster format: DIN A0 color print in portrait orientation.

## Contact:

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# Location

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**GA 203, Campus Grüental**

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Institute of Chemistry and Biotechnology  
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[www.zhaw.ch/icbt/day-of-lifesciences](http://www.zhaw.ch/icbt/day-of-lifesciences)

