



Zurich University
of Applied Sciences



Life Sciences and
Facility Management

Institute of
Chemistry and Biotechnology



TEDD Annual Meeting 2023

Clinical applications of advanced cell culture models

8th September 2023

Zurich University of Applied Sciences,
Wädenswil, Switzerland



INVITATION

Cell culture is an essential tool in biomedical research and pharmaceutical development. Advanced cell culture models, known as microphysiological systems (MPS), have revolutionized the field. They incorporate multiple cell types and can be derived from patient-specific cells or induced pluripotent stem cells (iPSCs), enabling personalized medicine and disease modelling.

The applications of advanced cell culture models in the clinical setting are diverse. They enhance our understanding of disease mechanisms, aid in drug discovery, and enable personalized medicine. These models are used for studying various diseases, such as cancer and neurological disorders, by closely resembling human tissues. Advanced cell culture models also have significant potential in regenerative medicine, generating tissue-specific organoids for drug testing and bioengineered tissues for replacement therapies.

During this year's TEDD Annual Meeting, we will explore the clinical applications of advanced cell culture models and highlight their potential in revolutionizing biomedical research and patient care. We will delve into their use in disease modelling, drug screening, personalized medicine, regenerative medicine, and other emerging areas. By examining the current state of the field and discussing recent advancements, we aim to shed light on the transformative potential of these models in clinical practice and pave the way for future developments in this exciting field.

Dr. Markus Rimann
Director

Dr. Katarzyna Kopanska
Project Manager



Morning Programm

08:45

Registration and coffee (Foyer Aula GA 203)

09:15

Welcome Address

Prof. Christian Hinderling

*Director of Institute of Chemistry and Biotechnology
Zurich University of Applied Sciences (ZHAW), Switzerland*

09:20

Opening of the Meeting

Dr. Markus Rimann

*TEDD Competence Centre
Zurich University of Applied Sciences (ZHAW), Switzerland*

09:30

From biopsy to cure: a challenge for precision oncology

Prof. Javad Nazarian

*University Childrens' Hospital Zurich
Oncology Department, Switzerland*

10:15

What regeneration in orthopaedics might bring to an increasingly elderly society

Prof. Benjamin Gantenbein

*University of Bern
Medical Faculty, Department for BioMedical Research, Switzerland*

10:45

**Vascular pattern making using sound induced morphogenesis –
experience with the first commercial CymatiX instrument**

Bianca Fischli (Team of Prof. Michael Raghunath)

Zurich University of Applied Sciences (ZHAW), Switzerland

11:15

**Unleashing the potential of Healiva cell therapy models in advancing
clinical applications**

Dr. Priyanka Dutta-Passecker

Healiva SA, Switzerland

11:45

Lunch Break and Exhibition (Kalthaus, GC 181)



Afternoon Programm

14:00

Role of functional drug testing in precision oncology

Dr. Arno Amann

Department of Haematology and Oncology

Medical University of Innsbruck, Austria

14:45

The role of standardized spheroids in pancreatic islet transplantation

Dr. Markus Mühlemann

Kugelmeiers, Switzerland

15:15

MUVON from bench to bedside

Dr. Deana Mohr

MUVON Therapeutics, Switzerland

15:45

Stimulation through innovation: A new way to monitor engineered muscle tissues for personalized clinical advances

Dr. Jakob Pyszkowski

Optics11 Life

Amsterdam, Netherlands

16:15

Final remarks and wrap up

Dr. Markus Rimann

TEDD Competence Centre

Zurich University of Applied Sciences (ZHAW), Switzerland

16:30-

17:30

Apéro (Foyer Aula GA 203)





SPEAKERS



8 September 2023, Wädenswil Switzerland
TEDD Annual Meeting 2023: Clinical applications of advanced cell culture models

SPEAKERS



Prof. Javad Nazarian
University Children's Hospital
Zurich Oncology Department



Prof. Benjamin Gartenbein
University of Bern
Department for BioMedical Research



Bianca Fischli
Zurich University of Applied Sciences (ZHAW)



Dr. Deana Mohr
MUVON Therapeutics

CHAIR OF THE MEETING



Dr. Markus Rimann
TEDD Competence Center
Zurich University of Applied Sciences ZHAW



Dr. Priyanka Dutta-Passecker
Healiva SA



Dr. Arno Amann
Department of Haematology and Oncology
Medical University of Innsbruck



Dr. Jakob Pyszkowski
Optics11 Life



Dr. Markus Mühlemann
Kugelmeiers

EXHIBITION



8 September 2023, Wädenswil Switzerland
TEDD Annual Meeting 2023: Clinical applications of advanced cell culture models

EXHIBITORS





W-LAN

Guest-ZHAW

CONTACT

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VENUE

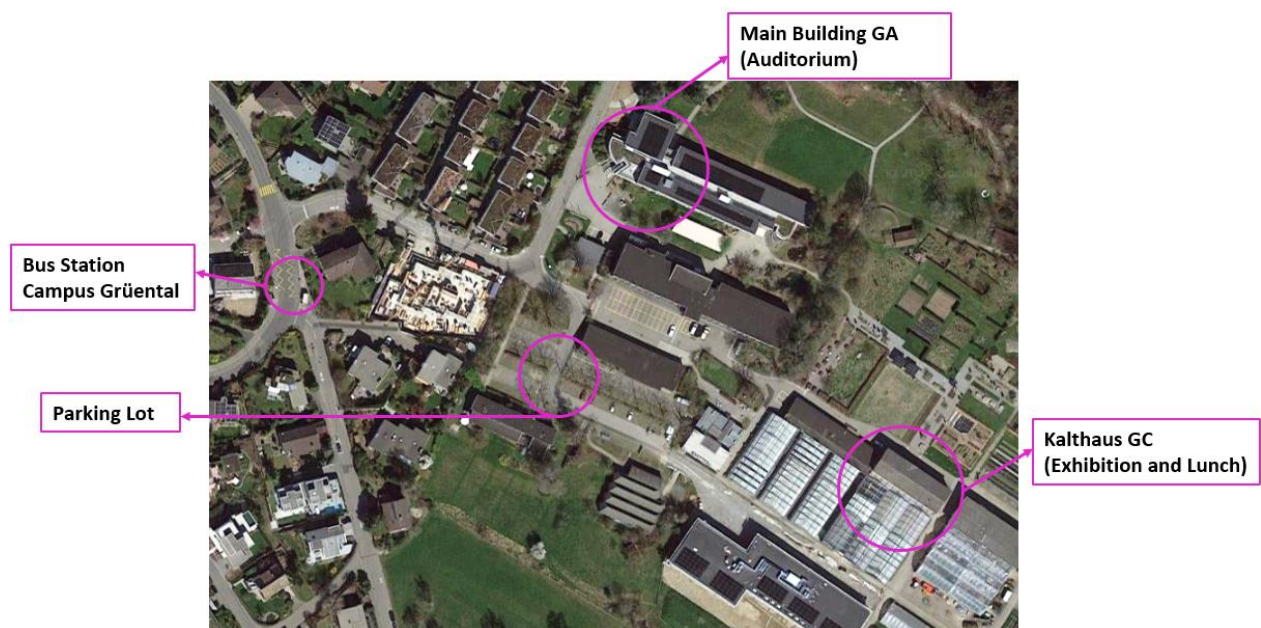
Zurich University of Applied Sciences (ZHAW)

Campus Grüental

Grüentalstrasse 14

8820 Wädenswil

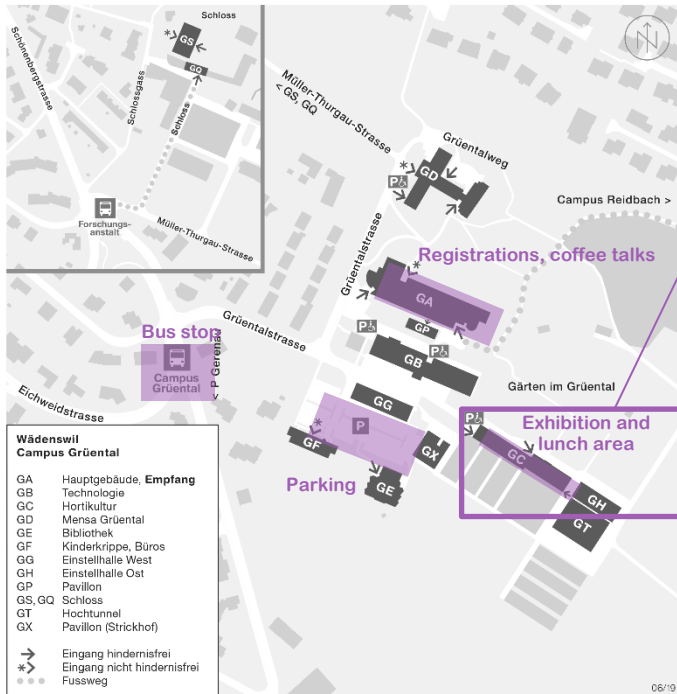
Switzerland





Venue Map

Campus Grüental



Building GC Kalthaus





Exhibition and lunch area (GC181) Kalthaus

