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Kontaktgruppe für Forschungsfragen – KGF







Registration

The event is free of charge, but space is limited. Registration before 26 January 2016 is, therefore, compulsory: www.zhaw.ch/icbt/nbo

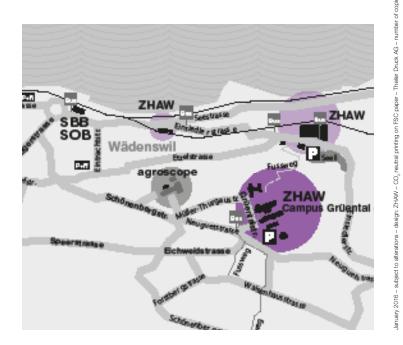
Contact & Venue

ZHAW, Zurich University of Applied Sciences School of Life Sciences and Facility Management Room GA 203 (Aula) Campus Grüental Grüentalstr 14 CH-8820 Wädenswil, Switzerland

Phone: +41 58 934 54 06 E-mail: hect@zhaw.ch

Public transport From Bahnhof Wädenswil stop Campus Grüental Buses 123 or 126

Accommodation Hotel Engel, Engelstrasse 2, 8820 Wädenswil Phone: +41 44 780 00 11, www.engel-waedenswil.ch



Developing a new

Life Sciences and Facility Management

Institute of Chemistry and Biotechnology

business opportunity in biotechnology (NBO)

Concept, structure and implementation

Tuesday and Wednesday, 2 – 3 February 2016 Campus Grüental, ZHAW Wädenswil

ch Universities of Applied Sciences and Arts

Scope

This symposium will uniquely demonstrate beneficial interconnections between research, business and education. Preparing students for the world of tomorrow is a challenging task. As job profiles are changing constantly, universities need to adapt their programmes accordingly and focus on developing competencies in a broad context alongside equipping students with sound knowledge of the subject area.

On the **first day** of the symposium students will defend their business ideas and be further inspired by advice from entrepreneurs and the audience.

The **second day** aims to open up the NBO-concept for critical discussion, and outline new opportunities for collaboration with industry as partners or coaches.

There are three main reasons for organising the NBO-Symposium:

To give students a voice: During the last five months, students enrolled in the Master's study programme in Pharmaceutical Biotechnology have analysed, discussed and described selected new business opportunities (NBO) in the field of microbial biotechnology. They will present their NBO-analysis results.

To introduce entrepreneurs who have successfully established their own businesses and will present personal experiences.

To promote the NBO-programme by presenting the concept to not yet involved representatives from industry, professional associations and academia.

Scientific committee & coaches

- Rebecca Buller
- Mike Cook
- Karin Kovar
- Hans P. Kocher
- Maria Lüder-Specht
- Hans-Peter Meyer
- Iva Sedlak

Organising committee

- John Brooker
- Susanne Dombrowski
- Marianne Ernst
- Katrin Hecht (head)

Tuesday, 2 February 2016

NBO symposium (Room GA 203)

Students' presentations: 10 min talk, 15 min discussion (chaired by Mike Cook & Karin Kovar)

10.00	Opening by Christian Hinderling Head of the new ICBT
10.05 - 10.35	Combining philanthropy and business Frank Grossmann, Foundation Orphanhealthcare

Circular economy and bio-economy concepts

10.35 - 11.00	Fucoxanthin production from whey Martin Glauser & Mischa Stadler
11.00 - 11.25	Carotenoid production with Pichia pastoris Sandra Chenaux & Ubiratan Moura
11:30 – 12:30	Lunch buffet and networking

12.30 - 13.00	Innovation in pharmaceutical biotechnology
	Dragan Grabulovski, Grabulovski Consulting Services

Emerging technologies and cell factories

13.05 - 13.30	Microgravity effects on protein production Dominik Mächler & Joel Varonier
13.30 - 13.55	Penicillin G acylase for production of dipeptides for production of dipeptides Claudio Casutt & Nicolas Meier
14.00 - 14.45	Coffee break and discussion

Biotechnology for novel cosmetics

14.45 - 15.10	Hyaluronic acid with <i>Pichia pastoris</i> Janine Staub & Nicola Matz
15.10 - 15.35	Dermocosmetis for diabetics

Linda Schatzmann & Klaus Kienle

General discussion, summary of the day and future steps

15.40 - 16.40	Hans-Peter Meyer & Hans P. Kocher
16:40 - 17:30	Apéro

Wednesday, 3 February 2016

NBO concept – current and future needs (Room GA 203)

The NBO-course (conferred Best Teaching Award 2015 by ZHAW) has been continuously developed from 2010 and aims to:

- impart cross-disciplinary knowledge
- develop competencies necessary to initiate, evaluate and implement a viable new business idea.

During the course, students analyse a potential business idea in terms of its technical, economic and ecological feasibility as well as its societal impact, and address legal and ethical issues. They are supervised by lecturers and supported by coaches with industrial experience.

Until now, topics for the NBO-analysis have been put forward by lecturers. The active involvement of external partners would add considerable additional value to the NBO-course:

- students gain insight into their future working environment,
- lecturers receive expert support for teaching, and
- industry partners are provided with an evaluation of potential business ideas, which might lead to future R&D collaborations.

09:00 – 09:10	5 years NBO: our achievements Karin Kovar	
From NBO to	success	
09.30 - 09.50	A tool for rational fedbatch design Matthias Barmettler (NBO 2015)	
09:50 - 10.10	The best NBO presentation of 2016	

10.10 - 10.30 Coffee break and discussion

Round-table discussion:

10.30 - 11.45	NBO in biotechnology: discover the potential of your company Discussion with representatives from industry, academia and professional organisationsr
11.45 - 12.00	NBO-course: next steps Karin Kovar & Hans P. Kocher
12.00 - 13.00	Lunch and networking