

Zurich University
of Applied Sciences

zhaw

**Life Sciences and
Facility Management**

**Institute of
Chemistry and Biotechnology**

First Network Meeting

Biocatalysis

**Innovation in
Application and
Education**

June 6th, 2018

**GA 203, Campus Grüental,
ZHAW Wädenswil, Switzerland**

www.zhaw.ch/ccbio

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

Program – Wednesday, June 6th

11.30	Welcome Coffee/ Sandwiches
12.30	Welcome to the ZHAW, news and outlook Rebecca Buller, ZHAW
12.40	Improved whole cell biocatalysts for P450 catalyzed API metabolite synthesis Martin Held, ETHZ
13.00	Engineered halogenases for the late stage functionalization of added-value chemicals Takahiro Hayashi, Rebecca Buller, ZHAW
13.20	Construction of a simple S-adenosylmethionine regeneration system for preparative enzyme catalyzed methylation Florian Seebeck, Universität Basel
13.40	Supramolecular engineered nanobiocatalysts capable of asymmetric catalysis in organic solvents Patrick Shahgaldian, Philippe Corvini, FHNW
14.00	Biocatalytic production of (R)-α-ionone Michael Eichenberger, Rebecca Buller, Dieter Eibl, ZHAW
14.20	In situ immobilized biocatalysts – Production and characterization of catalytically active enzyme inclusion bodies Lukas Neutsch, Christian Adlhart, ZHAW
14.40	Biocatalytic functionalization of biopolyesters Manfred Zinn, Nils Hanik, Camila Utsunomia, HES-SO Valais-Wallis, Sion
15.00	Coffee Break
15.30	simCAT – A mobile aid to recombinant enzyme production and whole-cell biocatalysis using microorganisms Verena Looser, Sonja Weichart, Roland Gassmann, ZHAW
15.50	SiBeC2 – Smooth integration of biocatalysis elements into chemistry curricula Simon Crelier, HES-SO Valais-Wallis, Sion Roger Marti, HEIA-FR, Fribourg
16.10	VICAB – Blended learning in biocatalysis Lukas Neutsch, Andrea Baier, ZHAW Simon Crelier, Manfred Zinn, HES-SO Valais-Wallis, Sion
16.30	CAS-Biocatalysis – A novel postgraduate teaching concept to promote the transfer of academic knowledge from investigative to industrial scale Katrin Hecht, ZHAW
16.50	Closing remarks Rebecca Buller, ZHAW
17.00	Apéro
