

CURRICULUM VITAE

PERSONAL INFORMATION

name: Stefan SCHEIBLBRANDNER
academic degree: Dipl. Ing. (MSc), Bakk. techn, (BSc)
date of birth: 1983 in Vienna
nationality: Austrian



EDUCATION

2012 – present **Joint PhD Program International Graduate School BioNanoTechnology (IGS BioNanoTech)**
University of Natural Resources and Life Sciences, Vienna
PhD thesis:
Engineering of nanostructured electrodes and biocatalyst interfaces for efficient electron transfer
under supervision of Dr. Roland Ludwig and Prof. Dr. Dietmar Haltrich

2009 – 2012 **Master of Science (Dipl.-Ing.)**, pass with distinction
University of Natural Resources and Life Sciences, Vienna
Specification: Biotechnology
Master thesis:
Biochemical and electrochemical characterization of Cellobiose Dehydrogenase for the application in glucose biosensors
under supervision of Dr. Wolfgang Harreither, Dr. Roland Ludwig and Prof. Dr. Dietmar Haltrich

2004 – 2009 **Bachelor of Science (Bakk. techn.)**
University of Natural Resources and Life Sciences, Vienna
Specification: Food- and Biotechnology
Bachelor thesis:
(1) Analysis of the massbalance of isoflavones across the production of soymilk
under the supervision of Dr. Ulf Schubert and Prof. Dr. Senad Novalin and
(2) Protocol to the Practical Course in Biochemistry

1994 – 2002 **A-levels**, pass with distinction
BRG XIV
Discourses on differential geometry in mathematics and neurocytes in biology

1990 – 1994 Kaiser Franz-Josef Elementary School, Mauerbach

SPECIFIC EXPERIENCE

2012 – 2016	Laboratory Manager of the laboratory of Food Biotechnology on the Institute of Food Technology, Department of Food Science and Technology University of Natural Resources and Life Sciences, Vienna
Jan 2015 – Apr 2015	Internship four months research stay within the Joint PhD program IGS BioNanoTech at the School of Material Science and Engineering under the supervision of Prof. Dr. Hua Zhang Nanyang Technological University (NTU), Singapore
2011	Tutor in the <i>Practical course in enzyme technology</i> at the Institute of Food Technology University of Natural Resources and Life Sciences, Vienna
Apr 2009 – Sep 2011	Board member <i>Finances</i> in the International Association for the Exchange of Students for Technical Experience (IAESTE) Boku University of Natural Resources and Life Sciences, Vienna
Jun 2009 – Jul 2009	Internship research and teaching in the Faculty of Agricultural Science and Food Ss. Cyril and Methodius University; Skopje, Macedonia
Jul 2008	Internship diverse chemical analysis in the section of quality control / incoming products Octapharma Pharmaceutical Production Company, Vienna
Jul 2007 – Aug 2007	Internship diverse chemical analysis in the section of quality control / incoming products Octapharma Pharmaceutical Production Company, Vienna
Apr 2004 – Dec 2004	Costumer Service Agent engagement in all costumer related duties Austrian Airlines, Vienna International Airport, Vienna
Feb 2003 – Feb 2004	Certified Ambulance Officer within absolving the obligatory social service Red Cross Lower Austria, Purkersdorf
2003	Ambulance Officer Certificate 160 hours theoretical and practical course National Association of the Red Cross in Lower Austria, Tulln
Jul 2002 – Dec 2002	Costumer Service Agent engagement in all costumer related duties Austrian Airlines, Vienna International Airport, Vienna

INTERESTS

2011 – present	singer in the A capella ensemble <i>Vokalensemble Vocation</i>
2007 – 2010	singer in the A capella ensemble <i>Resound</i> under Stuart Geoffrey Wright
1992 – 2012	piano lessons at the school of music <i>Wienerwald Mitte</i> under Jorge Daniel Valencia

LANGUAGES

German:	native
English:	fluent in speech and writing
Italian:	basics

PUBLICATIONS

2016	<u>Hofbauer S</u> , Dalla Sega M, Scheiblbrandner S , Jandova Z, Schaffner I, Djinic-Carugo K, Battistuzzi G, Furtmüller PG, Oostenbrink C, Obinger C: <i>Chemistry and molecular dynamics simulations of heme b-HemQ and coproheme-HemQ</i> , Biochemistry 2016, DOI: 10.1021/acs.biochem.6b00701
2016	Scheiblbrandner S , Csarman F, Breslmayr E, Führer J, Herzog P, Ludwig R, Kittl R: <i>Improvement of a high redox potential laccase towards higher stability and neutral pH</i> , OxiZymes Conference (Wageningen, NL, July 2016)
2016	<u>Kracher D</u> , Scheiblbrandner S , Felice AKG, Breslmayr E, Preims M, Ludwicka K, Haltrich D, Eijsink VGH, Ludwig R: <i>Extracellular electron transfer systems fuel cellulose oxidative degradation</i> , Science 2016 May 27;352(6289):1098-101
2014	<u>Krondorfer I</u> , Brugger D, Paukner R, Scheiblbrandner S , Pirker KF, Hofbauer S, Furtmüller PG, Obinger C, Haltrich D, Peterbauer CK: <i>Agaricus meleagris pyranose dehydrogenase: Influence of covalent FAD linkage on catalysis and stability</i> , Archives of Biochemistry and Biophysics 2014 Sep 15;558:111-9
2014	Scheiblbrandner S , Felice A, Preims M, Sygmund C, Haltrich D, Ludwig R: <i>Spectroelectrochemical determination of cellobiose dehydrogenase cofactor potentials</i> , OxiZymes Conference (Vienna, AUT, July 2014)
2014	<u>Preims M</u> , <u>Kracher D</u> , Ma S, Scheiblbrandner S , Sygmund C, Haltrich D, Ludwig R: <i>Class III Cellobiose Dehydrogenase</i> , OxiZymes Conference (Vienna, AUT, July 2014)
2014	<u>Kracher D</u> , Scheiblbrandner S , Preims M, Felice A, Kittl R, Sygmund C, Haltrich D, Ludwig R: <i>How a Fungal Flavoenzyme reduces Copper-Dependent, Lytic Polysaccharide Monoxygenases with the Help of a Heme domain</i> , 18th International Symposium on Flavins and Flavoproteins, Bangkok, THA, Aug 2014
2014	<u>Führer J</u> , Breslmayer E, Scheiblbrandner S ; Ludwig R, Kittl R: <i>Directed evolution of Botrytis aclada Laccase for application in implantable biofuel cells</i> , OxiZymes Conference (Vienna, AUT, July 2014)
2013	<u>Kracher D</u> , Scheiblbrandner S , Burgstaller D, Felice AKG, Kittl R, Haltrich D, Ludwig R: <i>Oxidative cellulose degradation by cellobiose dehydrogenase and lytic polysaccharide monoxygenase</i> . 5 th ÖGMBT Annual Meeting, Innsbruck, AUT Sept 2013.

- 2013 Kracher D, Scheiblbrandner S, Kittl R, Burgstaller D, Haltrich D, Ludwig R: *Novel insights into the oxidative cleavage of cellulose*. 245th ACS National Meeting, Science-Mix, New Orleans, USA, Apr 2013
- 2012 Sygmund C, Kracher D, **Scheiblbrandner S**, Zahma K, Felice AKG, Harreither W, Kittl R and Ludwig R: *Characterization of the Two Neurospora crassa Cellobiose Dehydrogenases and Their Connection to Oxidative Cellulose Degradation*, Appl.Environ.Microbiol. 2012 Sep;78(17):6161-71
-