

Academic curriculum vitae

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Professional Experience

2019, March Chairperson of the concurrent session "Circadian rhythms and photobiology" at the 30th Fungal Genetics Conference, Asilomar, Pacific Grove, CA, USA

2018, September Scientific committee member of the 10th ÖGMBT Annual Meeting 2018, Vienna, Austria

2017, March Chairperson of plenary session "Sensing and Signaling: Perception of the Complex World in which Fungi Thrive or Survive" at the 29th Fungal Genetics Conference, Asilomar, Pacific Grove, CA, USA

2016, Nov. Scientific committee member of the 14th International Trichoderma Meeting, Nagpur, India

2015, Dec. - **Board member of the Austrian Association for Research Integrity (www.oeawi.at/en); since 2017 Vice Chair of the Board**

2013, April Promotion to Senior Scientist at AIT, Tulln

2013, March Habilitation in the field of "Molecular genetics and genomics"

2012, Nov - Group leader at the AIT (Austrian Institute of Technology), UFT Tulln

2011, July Chairperson of the session "Fungal Genetics and Genomics" at the Annual World congress of Microbes, July 30 – August 1, Beijing, China

2008, Sep.-Oct. Guest researcher with Prof. N. Louise Glass, Plant and Microbial Biology Department, University of California, Berkeley

2008, April Chairperson of Symposium 6, Regulation of Gene Expression at the 9th European Conference on Fungal Genetics, Edinburgh, UK (together with Mark Caddick)

2007-2012 Group leader in the Research Area Gene Technology and Applied Biochemistry, Vienna University of Technology.

April 2006 Member of the local organizing committee for the 8th European Conference on Fungal Genetics (ECFG8), April 8 – 11, Vienna, Austria
Member of the local organizing committee for the First European *Neurospora* Meeting (Satellite Meeting of the ECFG8), April 8th, Vienna, Austria
Chairperson of this Meeting (together with L. Corrochano, University of Sevilla)

2005, Sept. Guest researcher at the Dipartimento di Protezione delle Piante, University degli Studi di Sassari, Sassari, Italy

. Guest researcher at the Hungarian Academy of Sciences and University of Szeged, Microbiological Research Group, Szeged, Hungary

2003, Sept. Guest researcher at the Dipartimento di Biotechnologie, Cellulari Ed Ematologia, Sezione di Genetica Molecolare, Università di Roma "La Sapienza", Italy

Education

2003 **Ph. D.** (with distinction) at the Vienna University of Technology on "Regulation of cellulase expression and signal transduction in the filamentous fungus *Hypocrea jecorina* (*Trichoderma reesei*)"; date: march 25th

1999 Master degree at the Vienna University of Technology; date: june 28th

Fellowships

2004 – 2006 Postdoctoral fellow with FWF (Austrian Science Fund) -Project P17325-B12 as PI

2006, May - Dec Project with industry partner BASF, Ludwigshafen, Germany "Production and secretion of heterologous proteins with *Trichoderma reesei*"

Funding ID (selection ; total funding sum since 2007 : 3 751 000 EUR)

2007 - 2009	Principal investigator and project leader with APART (Austrian Programme for Advanced Research and Technology of the Austrian Academy of Sciences) "Elucidating the crosstalk of light response, sexual development and cellulose signal transduction to cellulase gene expression in <i>Hypocrea jecorina</i> " fellowship No. 11212 (sum: 201500 EUR)
2010 - 2014	Principal investigator and project leader with Elise Richter fellowship (FWF) V152-B20 "Sexual development in <i>H. jecorina</i> "(project sum: 315 240 EUR)
2012 - 2016	Project leader with FWF stand alone project "Functional genomic analyses of sexual development and environmental signaling in <i>Trichoderma reesei</i> (<i>Hypocrea jecorina</i>)" (project sum: 372677 EUR)
2014 – 2017	Project leader with FWF stand alone project "FEEDorFIGHT- the light dependent balance between substrate degradation and secondary metabolism in fungi" (sum: 377516 EUR)
2015 - 2019	FFG Energieforschungsprojekt (Climate change research) on biological pretreatment of plant biomass (sum: 363000 EUR), together with BOKU University
2018-2022	Project leader with FWF stand alone project "Posttranscriptional regulation in <i>Trichoderma reesei</i> " (sum: 390252 EUR)

Academic teaching and supervision

My major teaching activities date back to my time at TU Vienna and I honestly miss teaching lectures since I moved to AIT, where I supervise students in different stages of their studies (PhD students, Master students, Bachelor students, one Postdoc planned to join after summer).

Since 2004	Principal advisor of 8 Bachelor students, 9 Master students, 12 PhD students and 4 Postdocs at TU Vienna and AIT Current workgroup at AIT: 4 PhD students, 4 Master students (1 more to start in january), 1 bachelor student and one technician
since 2013	Regular supervision of FEMtech internships (1-6 months, 4 Bachelor thesis, 6 Master thesis and 16 internships) for female "talents for science"
2004 - 2012	Various lab courses for undergraduate students (2 – 6 weeks) dealing with selected topics of the ongoing research projects
2004 - 2012	Lectures "Molecular physiology of fungi" and "Genetics and industrial genomics" Lab courses "Protein chemistry", "Biochemistry 2" and "Biotechnology 2" Participation in the educational program FIT "Frauen in die Technik", which intends to encourage young women to start a technical education
2009 - 2018	Participation in "Lange Nacht der Forschung" and "Open days" showing extraction of DNA from diverse vegetables using predominantly household materials and chemicals to pupils, students and the interested public
2009 - 2012	Member of the female junior faculty for the "AB-Tech" PhD-program

Experience as a publisher (editorial functions) and functions in societies

2018 -	Editorial Board member of "Frontiers in Microbiology"
2015 -	Member of the EUROFUNG consortium
2015, Dec. -	Board member of the Austrian Association for Research Integrity (www.oeawi.at/en)
2012 -	Member of the Editorial Board of "Applied and Environmental Microbiology", and "PLoS ONE"; Senior Editor of "Fungal Biology and Biotechnology"
2011	Management committee member of COST action FP0602 "Biotechnology for lignocellulose biorefineries"

Reviewer assignments for journals and funding bodies (selection)

Nature Communications	NSF, National Science Fund, USA
Applied and Environmental Microbiology	BSF, Israel Binational Science Foundation
Molecular Microbiology	STW, Technology Foundation, The Netherlands
BMC Genomics	EU project evaluations (incl. onsite reviews in Brussels)
PLoS Genetics, PLoS ONE	Genome BC (Canada)

Awards

APART fellowship of the Austrian Academy of Sciences (ÖAW)
Young group leader presentation ÖGMBT 2010
Science award of the state of Lower Austria 2013

International Collaborations (selection)

Antonio di Pietro (University of Cordoba, Spain)	Chemotropic responses of <i>Trichoderma</i> to carbon sources and plants
Scott E. Baker (Pacific Northwest National Laboratories, Richland, USA)	Sexual development and female sterility in <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>)
Gustavo Goldman (University of Sao Paulo, Brazil)	Signal transduction pathways in <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>)
Alfredo Herrera-Estrella (CINVESTAV, Mexico)	Influence of light on <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>)
Ting-Fang Wang (Academia Sinica, Taipei, Taiwan)	Molecular mechanisms in sexual development of <i>Hypocrea jecorina</i> (<i>Trichoderma reesei</i>)

Invited lectures and seminar talks (selection)

M. Schmoll (2017) Cellulose signal transduction impacts posttranscriptional regulation of cellulase gene expression in *Trichoderma reesei*; invited talk at the 2nd Symposium on Plant Biomass Conversion by Fungi, August 28th- 29th, Utrecht, The Netherlands

M. Schmoll (2017) Light dependent regulation of carbon and secondary metabolism in *Trichoderma reesei*; invited talk at the International Symposium on Fungal Stress (ISFUS), May 8-12, Goiana, Brazil

M. Schmoll (2017) Environmental signaling in *Trichoderma reesei* and its relevance for industrial applications; invited talk at Dupont, March 9th, Palo Alto, CA, USA

M. Schmoll, J. Lokhandwala, H. H. Hopkins, A. Rodriguez-Iglesias, C. Dattenböck, and B. D. Zoltowski (2015) Functions of ENVOY in *Trichoderma reesei*, invited talk at the 28th Fungal Genetics Conference, March 17 – 22, Asilomar, Pacific Grove, California, USA

M. Schmoll (2014) Environmental signaling in *Trichoderma reesei* and its use for bioprocess optimization; invited keynote lecture; 13th International Workshop of *Trichoderma* and *Gliocladium* (TG2014), October 19 – 23, Shanghai, China

M. Schmoll (2010) Sexual development in the filamentous fungus *Trichoderma reesei*: perspectives and challenges; invited seminar talk at the Institute of Molecular Biology, Feb. 4th, Academia Sinica, Taipei, Taiwan