

Curriculum Vitae

PERSONAL INFORMATION

Family name, First name: Poppenberger, Brigitte

Date of birth: 23. August, 1973

Email: brigitte.poppenberger@wzw.tum.de

URL for web site: www.bgk.wzw.tum.de

EDUCATION

2003 Ph.D. (Dr. rer. nat. tech.): 10. November 2003; *summa cum laude*
1999- 2003 Ph.D. studies at the University for Renewable Resources and Applied Life Sciences (BOKU) in Vienna, Austria
1999 Master in Agriculture with a major in Horticulture (Dipl.Ing.)
1992-1999 Diploma studies in Agriculture (specializing in Horticulture) at the University for Renewable Resources and Applied Life Sciences in Vienna, Austria
1992 A-levels (Matura)
1987 -1992 Secondary Technical School for Horticulture, Vienna, Austria

POSITIONS

Since 2011 Professor (W2; tenured) at the Technical University Munich (TUM), Germany
2007 – 2011 Independent research fellow, group leader and lecturer at the Max F. Perutz Laboratories in Vienna, Austria
2004 – 2006 Postdoctoral fellow in the laboratory of Dianna Bowles University of York, York, United Kingdom
1988-1998 Part-time employments and internships in different horticultural and pharmaceutical companies as well as research institutes including Novartis Crop Protection (Stein/Rhein, Switzerland), VitroPlant GmbH (Klosterneuburg, Austria), Agency for Food Safety (AGES, Vienna) and Federal Office for Plant Protection (Vienna)

CAREER BREAKS

2009 – 2010 Maternity leave
1993 – 1994 Gap year in Boston, MA, USA

FELLOWSHIPS & AWARDS

2015 TUM ‘Excellence in Teaching’ award
2013 Best-of-JBC 2013; awarded for best JBC paper in the affinity group Plant Biology
2006 Hertha-Firnberg independent research fellowship (Austrian Science Fund; 11/06-09/10)
2004 Erwin Schrödinger postdoctoral fellowship (Austrian Science Fund; 01/04-12/05)
2003 Agrana Research Award (awarded for Ph.D. thesis)
2000 DOC Ph.D. fellowship (Austrian Academy of Science; 02/00-01/03)

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Since 2011 4 Postdocs/ 7 Ph.D. students/ 20 master students; TUM
2007 - 2011 1 Postdoc/ 2 Ph.D. students/ 2 master students; Max F. Perutz Laboratories
2004 - 2006 co-supervision of Ph.D. students at the University of York
2000 - 2003 co-supervision of master students at the BOKU, Vienna

TEACHING ACTIVITIES

Since 2011 Professor, Technical University Munich, Germany
2007 – 2011 Lecturer, University of Vienna, Austria
2003 Teaching assistant, BOKU, Vienna

INSTITUTIONAL RESPONSIBILITIES

Since 2016 Head of the examination board, master program Horticultural Science
2014 – 2016 Panel member Laura-Bassi fellowships, Technical University Munich
Since 2012 Member of five faculty appointment committees, Technical University Munich
Since 2011 Faculty member, Department of Plant Biology, TUM School of Life Sciences
Weihenstephan, Technical University Munich
2007 – 2011 Facility leader of the plant facility (including re-organization of set-up and maintenance)
Max F. Perutz Laboratories, Vienna, Austria
2007 – 2011 Member of faculty, postdoctoral researcher and Ph.D. student selection committees,
Max F. Perutz Laboratories
2007 – 2011 Faculty member, Max F. Perutz Laboratories

COMMISSIONS OF TRUST

Since 2016 Review Editor, *Frontiers in Plant Science* (Plant Abiotic Stress)
Since 2016 External member of faculty appointment committees
Since 2015 Elected executive board member, VWU (Association of TUM-WZW graduates)
Since 2014 Grant reviewer for funding organization
Austrian Academy of Sciences; Deutsche Forschungsgemeinschaft, Germany; National
Science Centre, Poland; National Research Foundation of Korea, Korea; Research
Foundation - Flanders, Belgium
Since 2010 *Ad hoc* referee for academic publishers (Wiley-VCH, Springer)
Since 2005 *Ad hoc* referee for scientific journals
including *Dev. Cell*, *JBC*, *Mol. Cell*, *Nature Communic.*, *Plant Cell*, *Plant Physiol.*, &
Proc Nat Acad Sci USA

3rd PARTY-FUNDED PROJECTS

1. InnoSun - Identification and characterization of new, stable High Oleic Acid resources for sunflower. **Poppenberger, B.**; 04/2017-03/2020; Federal Ministry for Food and Agriculture Germany: 249.530,-
2. Investigating the roles of brassinosteroiden in the regulation of gibberellin homeostasis; **Poppenberger, B.**; 07/15-06/19; DFG SFB924 Teilproject TP A12: 410.760,- €
3. Investigating the roles of brassinosteroiden in the regulation of gibberellin homeostasis; **Poppenberger, B.**; 07/14-06/17; DFG Sachbeihilfe #PO 1640/4-1: 192.400,-€
4. Investigating the roles of posttranslational modifications in the regulation of CESTA action. **Poppenberger, B.**; 09/10-08/13; Austrian Science Fund (FWF) Einzelprojekt #P22734: 388.458,-€
5. Functional analysis of CESTA a novel player in the transcriptional regulation of brassinosteroid biosynthesis. **Poppenberger, B.**; 06/07-05/11; FWF: Einzelprojekt #P19948: 351.697,-€
6. The regulation of brassinosteroid biosynthesis in *Arabidopsis thaliana*. **Poppenberger, B.**; 11/06-03/11; FWF: Hertha Firnberg fellowship #T312-B16: 178.710,-€
7. Functional characterisation of *Arabidopsis* UDP-glycosyltransferases potentially exerting a dual role in the regulation of brassinosteroid homeostasis and detoxification of xenobiotic substances. **Poppenberger, B.**; 01/04-12/05; FWF, Erwin-Schrödinger fellowship #J2347-B12: 54.000,-€
8. Molecular mechanisms of mycotoxin resistance in plants. **Poppenberger, B.**; 01/01-01/02; 'Hochschuljubiläumstiftung' of the City of Vienna, #H54/2000: approx. 3.800,-€
9. Molecular mechanisms of mycotoxin resistance in plants. **Poppenberger, B.**; 02/00-01/03; Austrian Academy of Sciences (ÖAW), DOC fellowship: approx. 51.000,-€

10 MOST IMPORTANT PUBLICATIONS (* corresponding author)

1. Albertos P, Wagner K & Poppenberger B* (2018) Cold stress signaling in female reproductive tissues. *Plant Cell Environ.* in press
2. Ramirez V & Poppenberger B* (2017) MAP Kinase Signaling Turns to ICE. *Dev. Cell* 43(5):545-46
3. Eremina M, Unterholzner S, Rozhon W, Kugler KG, Castellanos M, Ratnajaka A, Khan M, May S, Mayer KM & **Poppenberger B*** (2016) Brassinosteroids contribute to the control of basal and acquired freezing tolerance in plants. *Proc Nat Acad Sci USA* 113(40): E5982-91. Erratum: 114(6): E1038-39
4. Unterholzner S, Rozhon W & **Poppenberger B*** (2015) Reply: Interaction between Brassinosteroids and Gibberellins. Synthesis or Signaling? In *Arabidopsis Both!* *Plant Cell* 28(4): 836-39
5. Unterholzner S, Rozhon W, Papacek M, Lange T, Kugler KG, Mayer KM, Sieberer T & **Poppenberger B*** (2015) Brassinosteroids Are Master Regulators of Gibberellin Biosynthesis in Arabidopsis. *Plant Cell* 27: 2261-72
6. Eremina M, Yang S, Rozhon W & **Poppenberger B*** (2015) ENO2 activity is required for the development and reproductive success of plants and is feedback-repressed by AtMBP-1. *Plant J.* 81: 895-906
7. Khan M, Rozhon W, Unterholzner SJ, Chen T, Eremina M, Wurzinger B, Bachmair A, Teige M, Sieberer T, Isono E & **Poppenberger B*** (2014) Interplay between phosphorylation and SUMOylation events determines CESTA protein fate in brassinosteroid signalling. *Nature Commun.* 5: 4687
8. Khan M, Rozhon W, Bigeard J, Pflieger D, Husar S, Pitzschke A, Jonak C, Hirt H & **Poppenberger B*** (2013) Brassinosteroid-regulated GSK3/shaggy-like kinases phosphorylate MAP kinase kinases, which control stomata development in *Arabidopsis thaliana*. *J Biol Chem.* 288: 7519-27
9. **Poppenberger B***, Rozhon W, Khan M, Husar S, Adam G, Luschnig C, Fujioka S & Sieberer T (2011) CESTA a positive regulator of brassinosteroid biosynthesis. *EMBO J.* 30: 1149-61
10. **Poppenberger B**, Fujioka S, Sueno K, George GL, Vaistij FE, Seto H, Hiranuma S, Takastuto S, Adam G, Yoshida S & Bowles D* (2005) The UGT73C5 of *Arabidopsis thaliana* glucosylates brassinosteroids. *Proc Nat Acad Sci USA* 102: 15253-58

PATENTS

1. **Poppenberger B** & Sieberer T, together with the University of York (2007) Transgenic plant over-expressing a bHLH transcription factor. WO 2007/063289-2007-06-07.
2. **Poppenberger B**, Adam G, Luschnig C & Glöbl J, together with the University of Renewable Resources and Applied Life Sciences (2005) A method for regulating plant growth. WO 2005/080576-2005-09-01.
3. **Poppenberger B**, Adam G, Berthiller F, Krcka R, Kuchler K, Luschnig C, Glöbl J, Lucyshyn D, Schuhmacher R & Sieberer T, together with the University of Renewable Resources and Applied Life Sciences Vienna (2005) Method for detoxification of mycotoxins. WO 2005/021740-2005-03-10.

INVITED SPEAKER (last 5 years)

2018 3rd International Brassinosteroids Conference, San Diego, USA. 01.-04.08.18; **2018** 23rd New Phytologist Workshop, Durham, UK. 17.-19.07.18; **2018** International Symposium: Bridging Ecology and Molecular Biology, Berlin, Germany. 9.-11.04.18; **2015** 2nd International Conference on Brassinosteroids, Wuhan, China. 19.-22.05.15; **2013** Plant Biology for the Next Generation, Freising, Germany. 18.-20.09.13

Freising, 12.07.2018