Curriculum Vitae

Personal Data

Title	Prof. Dr.
First name	Andreas
Name	Hiltbrunner
Current position	Full Professor (W3) for Molecular Plant Physiology
Current institution(s)/site(s), country	University of Freiburg, Faculty of Biology, Germany
Identifiers/ORCID	0000-0003-0438-5297

Qualifications and Career

Stages	**Periods and Details**
Degree programme	1995 - 1999, ETH Zurich, Switzerland, Plant Sciences
Doctorate	1999 - 2003, ETH Zurich, Switzerland, Plant Sciences (Supervisors: Prof. Nikolaus Amrhein and Prof. Felix Kessler)
Stages of academic/professional career	since 2012: Professor (W3) for Molecular Plant Physiology, University of Freiburg, Germany 2009 - 2012: Independent Group Leader (A13, Akad. Rat a. Z.), ZMBP, University of Tübingen, Germany 2003 - 2009: Postdoctoral Fellow/Group Leader with Prof. Eberhard Schäfer, University of Freiburg, Germany 2003: Postdoctoral Fellow with Prof. Felix Kessler, Université de Neuchâtel, Switzerland

Supplementary Career Information

not specified

Activities in the Research System

Year	**Activity**
since 2024	Member of the Advisory Board of the Graduate Centre (GraCe) of the University of Freiburg
since 2024	Elected member of the Faculty Council of the Faculty of Biology
since 2024	Member of the Steering Board of BIOSS
since 2019	Member of the Steering Board of the SPP2237 (DFG Priority Programme "MAdLand – Molecular Adaptation to Land: plant evolution to change")
since 2018	Associated member of the Excellence Cluster EXC2189 (CIBSS, Centre for Biological Signalling Studies)
since 2016	Chairman of the Doctoral Board of the Faculty of Biology
since 2016	Chairman of the Doctoral Board for Molecular Medicine
since 2014	Associated Member of the Spemann Graduate School of Biology and Medicine (SGBM)
2013 - 2016	Member of the Doctoral Board of the Faculty of Biology
2012 - 2023	Associate Member of BIOSS (EXC298)

Reviewing Activities:
Journals: Cell, Dev. Cell, EMBO J., Nat. Commun., Nat. Plants, New Phytol., Plant Cell, Plant Cell Env., Plant J., Plant Physiol., Proc. Acad. Sci. U. S. A., Science, and others.
Funding Agencies: BBSRC, DFG, NSF, ANR, FWO, SNF, The Leverhulme Trust, and others.

Supervision of Researchers in Early Career Phases
Supervision of 14 doctoral dissertations, 6 Masters dissertations, 12 Bachelor dissertations (within the last 5 years and ongoing).
Hosting of 6 postdoctoral researchers (within the last 5 years and ongoing).

Scientific Results
Category A:

1. Hayes S, Leong CK, Giaume F, van Veen E, Zhang W, Lamain M, Lamers J, de Zeeuw T, Verstappen F, Hiltbrunner A, and Testerink C (2025). Warm temperature and mild water stress cooperatively promote root elongation. **Curr Biol**, accepted for publication. doi: 10.1016/j.cub.2025.06.062) (OA; contribution to planning the study, providing materials, contribution to writing the manuscript)
2. Vollmeister E, Phokas A, Meyberg R, Böhm CV, Peter M, Kohnert E, Yuan J, Grosche C, Göttig M, Ullrich KK, Perroud P-F, Hiltbrunner A, Kreutz C, Coates JC, and Rensing SA (2024). A DELAY OF GERMINATION 1 (DOG1)-like protein regulates spore germination in the moss *Physcomitrium patens*. **Plant J** 117, 909-923. doi: 10.1111/tpj.16537 (OA; joint CIBSS publication; contribution to data generation and interpretation, contribution to writing)
3. Yuan J, Xu T, and Hiltbrunner A (2023). Phytochrome higher order mutants reveal a complex set of light responses in the moss *Physcomitrium patens*. **New Phytol** 239, 1035-1050. doi: 10.1111/nph.18977 (OA; joint CIBSS publication; planning the study, contribution to analysis and interpretation of data, corresponding author)
4. Yuan J*, Ott T, and Hiltbrunner, A* (2023). Phytochromes and flowering: legumes do it another way. **Trends Plant Sci** 28, 379-381. doi: 10.1016/j.tplants.2023.02.004 (joint CIBSS publication; conceptualisation, writing)
5. Li Z, Sheerin DJ, von Roepenack-Lahaye E, Stahl M, and Hiltbrunner A (2022). The phytochrome interacting proteins ERF55 and ERF58 repress light-induced seed germination in *Arabidopsis thaliana*. **Nat Commun** 13, 1656. doi: 10.1038/s41467-022-29315-3 (OA; planning the study, contribution to analysis and interpretation of data, corresponding author)
6. Schwenk P. and Hiltbrunner A (2022). Phytochrome A mediates the disassembly of processing bodies in far-red light. **Front Plant Sci** 13, 828529. doi: 10.3389/fpls.2022.828529 (OA; planning the study, contribution to analysis and interpretation of data, corresponding author)
7. Schwenk P, Sheerin DJ, Ponnu J, Staudt A-M, Lesch KL, Lichtenberg E, Medzihradszky KF, Hoecker U, Klement E, Viczián A, and Hiltbrunner A (2021). Uncovering a novel function of the CCR4-NOT complex in phytochrome A-mediated light signalling in plants. **eLife** 10, e63697. doi: 10.7554/eLife.63697 (OA; planning the study, contribution to analysis and interpretation of data, corresponding author)
8. Kahle N, Sheerin DJ, Fischbach P, Koch L-A, Schwenk P, Lambert D, Rodriguez R, Kerner K, Hoecker U, Zurbriggen MD, and Hiltbrunner A (2020). COLD REGULATED 27 and 28 are targets of CONSTITUTIVELY PHOTOMORPHOGENIC 1 and negatively affect phytochrome B signalling. **Plant J** 104, 1038-1053. doi: 10.1111/tpj.14979 (OA; planning the study, contribution to analysis and interpretation of data, corresponding author)
9. Enderle B, Sheerin DJ, Paik I, Kathare PK, Schwenk P, Klose C, Ulbrich MH, Huq E, and Hiltbrunner A (2017). PCH1 and PCHL promote photomorphogenesis in plants by controlling phytochrome B dark reversion. **Nat Commun** 8, 2221. doi: 10.1038/s41467-017-02311-8 (OA; planning the study, contribution to analysis and interpretation of data, corresponding author)

10. Legris M, Klose C, Burgie ES, Rojas CCR, Neme M, Hiltbrunner A, Wigge PA, Schäfer E, Vierstra RD, and Casal JJ (2016). Phytochrome B integrates light and temperature signals in Arabidopsis. **Science** 354, 897-900. doi: 10.1126/science.aaf5656 (contribution to planning the study, providing equipment, contribution to writing the manuscript)

Category B:

1. Saile J, Walter H, Denecke M, Lederer P, Schütz L, Hiltbrunner A, Lepp K, Lobato-Gil S, Beli P, and Wachter A (2025). A network of RS splicing regulatory proteins controls light-dependent splicing and seedling development. **bioRxiv** 2025.04.07.646831. doi: 10.1101/2025.04.07.646831 (OA; providing materials, contribution to writing the manuscript)
2. Sorkin ML, Tzeng S-C, Romanowski A, Kahle N, Bindbeutel R, Hiltbrunner A, Yanovsky MJ, Evans BS, and Nusinow DA (2022). COR27/28 regulate the evening transcriptional activity of the RVE8-LNK1/2 circadian complex. **bioRxiv** 2022.05.16.492168. doi: 10.1101/2022.05.16.492168 (OA; contribution to planning the study, contribution to writing the manuscript)
3. Gao M, Geng F, Klose C, Staudt A-S, Huang H, Nguyen D, Lan H, Mockler TC, Nusinow DA, Hiltbrunner A, Schäfer E, Wigge PA, and Jaeger KE (2019). Phytochromes measure photoperiod in Brachypodium. **bioRxiv** 697169. doi: 10.1101/697169 (OA; contribution to planning the study, providing equipment, contribution to writing the manuscript)

Academic Distinctions

Year	Distinction
2013 - 2016	Human Frontier Science Program (HFSP), Research Grant RGP0025/2013
2004 - 2007	Human Frontier Science Program (HFSP), Long Term Fellowship (LT00631/2003-C)
2003	European Molecular Biology Organization (EMBO), Long Term Fellowship (ALTF 305-2003), declined
2003 - 2004	Two Year Postdoctoral Fellowship of the Swiss National Science Foundation (SNF)
2000	Willi-Studer Award (for best ETH degree in Biology)

Other Information

not specified