

# Michael Gruenstaeudl (Grünstäudl), PhD

📍 Fort Hays State University, 600 Park Street, Hays, KS 67601, USA

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## Education and Professional Positions

### EDUCATION

<b>Habilitation</b> in Bioinformatics and Botany	Freie Universität Berlin, Germany	2023
Habilitation thesis: "Development and application of bioinformatic tools toward process automation in plant phylogenetics"		
<b>Ph.D.</b> in Plant Biology	University of Texas at Austin, USA	2013
<b>M.Sc.</b> in Plant Biology	University of Vienna, Austria	2007

### PROFESSIONAL POSITIONS

<b>Assistant Professor (Tenure-Track)</b>	Fort Hays State University, USA	2023–ongoing
Dept. Biological Sciences		
<b>Postdoctoral Researcher</b>	Freie Universität Berlin, Germany	2015–2022
Dept. Biology, Chemistry, Pharmacy		
<b>Postdoctoral Researcher</b>	Ohio State University, USA	2014–2015
Dept. Evolution, Ecology & Organismal Biology		

## Research

### GRANT FUNDING

<b>NSF-2417083</b>	National Science Foundation – IUSE: EDU	\$ 385,971
Co-PI Grant#: <a href="#">2417083</a> , Duration: 2024–ongoing		
<b>NIH-1R01LM014506</b>	National Institutes of Health – National Library of Medicine	\$ 239,206
Single PI Grant#: <a href="#">1R01LM014506</a> , Duration: 2024–ongoing		
<b>DFG-418670221</b>	Deutsche Forschungsgemeinschaft – Sachbeihilfe	€ 69,360
Single PI Grant#: <a href="#">418670221</a> , Duration: 2018–2022		
<b>KINBRE-GR00848</b>	Kansas IDeA Network of Biomedical Research Excellence	\$ 33,210
Single PI Grant#: P20GM103418/GR00848, Duration: 2025–ongoing		
<b>UT-F816842</b>	University of Texas at Austin Graduate Research Fellowship	\$ 26,772
Single PI Grant#: F816842, Duration: 2011–2012		
<b>KINBRE-GR509061</b>	Kansas IDeA Network of Biomedical Research Excellence	\$ 24,765
Single PI Grant#: P20GM103418/GR509061, Duration: 2023–2024		
<b>FHSU-GR00807</b>	Kansas legislature via the FHSU Water Office	\$ 24,059

Single PI

Grant#: GR00807, Duration: 2025–ongoing

FU-21224600

Freie Universität Berlin Forschungskommission

€ 11,470

Single PI

Grant#: 21224600, Duration: 2016–2018

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**PUBLICATIONS**


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Graduate and undergraduate student mentees are underlined

- [27] N Jenke, Smith, GM, Magar Thapa, B, and **M Gruenstaeudl**. “Variation of and associations with the depth and evenness of sequencing coverage in archived plastid genomes”. In: *Scientific Reports* 15 (2025). <https://doi.org/10.1038/s41598-025-11568-9>, p. 26294.
- [26] JA Roestel, JH Wiersema, RK Jansen, T Borsch, and **M Gruenstaeudl**. “On the importance of sequence alignment inspections in plastid phylogenomics – an example from revisiting the relationships of the water-lilies”. In: *Cladistics* 40 (2024). <https://doi.org/10.1111/cla.12584>, pp. 469–495.
- [25] E Giorgashvili, K Reichel, C Caswara, V Kerimov, T Borsch, and **M Gruenstaeudl**. “Software choice and sequencing coverage can impact plastid genome assembly – A case study in the narrow endemic *Calligonum bakuense*”. In: *Frontiers in Plant Science* 13 (2022). <https://doi.org/10.3389/fpls.2022.779830>, p. 779830.
- [24] B Escobari, T Borsch, TS Quedensley, and **M Gruenstaeudl**. “Plastid phylogenomics of the Gynoxoid group (Senecioneae, Asteraceae) highlights the importance of motif-based sequence alignment amid low genetic distances”. In: *American Journal of Botany* 108 (2021). <https://doi.org/10.1002/ajb2.1775>, pp. 2235–2256.
- [23] T Meh and **M Gruenstaeudl**. “airpg: Automatically accessing the inverted repeats of archived plastid genomes”. In: *BMC Bioinformatics* 22 (2021). <https://doi.org/10.1186/s12859-021-04309-y>, p. 413.
- [22] I Duran, A Marrero, F Msanda, C Harrouni, **M Gruenstaeudl**, J Patino, J Caujape-Castells, and C Garcia-Verdugo. “Iconic, threatened, but largely unknown: Biogeography of the Macaronesian dragon trees (*Dracaena* spp.) as inferred from plastid DNA markers”. In: *Taxon* 69 (2020). doi: <https://doi.org/10.1002/tax.12215>, pp. 217–233.
- [21] **M Gruenstaeudl**. “annonex2embl: automatic preparation of annotated DNA sequences for bulk submissions to ENA”. In: *Bioinformatics* 21 (2020). doi: <https://doi.org/10.1093/bioinformatics/btaa209>, p. 207.
- [20] **M Gruenstaeudl** and N Jenke. “PACVr: Plastome Assembly Coverage Visualization in R”. In: *BMC Bioinformatics* 36 (2020). doi: <https://doi.org/10.1186/s12859-020-3475-0>, pp. 3841–3848.
- [19] A Szukala, N Korotkova, **M Gruenstaeudl**, AN Sennikov, GA Lazkov, SA Litvinskaya, SA Gabrielian, T Borsch, and E von Raab-Straube. “Phylogeny of the Eurasian genus *Jurinea* (Asteraceae: Cardueae): Support for a monophyletic genus concept and a first hypothesis on overall species relationships”. In: *Taxon* 68 (2019). doi: <https://doi.org/10.1002/tax.12027>, pp. 112–131.
- [18] **M Gruenstaeudl**. “Why the monophyly of Nymphaeaceae currently remains indeterminate: An assessment based on gene-wise plastid phylogenomics”. In: *Plant Systematics and Evolution* 305 (2019). doi: <https://doi.org/10.1007/s00606-019-01610-5>, pp. 827–836.
- [17] **M Gruenstaeudl** and Y Hartmaring. “EMBL2checklists: A Python package to facilitate the user-friendly submission of plant and fungal DNA barcoding sequences to ENA”. In: *PLoS ONE* 14 (2019). doi: <https://doi.org/10.1371/journal.pone.0210347>, e0210347.

- [16] V Di Vincenzo, **M Gruenstaeudl**, L Nauheimer, M Wondafrash, P Kamau, S Demissew, and T Borsch. "Evolutionary diversification of the African achyranthoid clade (Amaranthaceae) in the context of sterile flower evolution and epizoochory". In: *Annals of Botany* 122 (2018). doi: <https://doi.org/10.1093/aob/mcy055>, pp. 69–85.
- [15] TS Quedensley, **M Gruenstaeudl**, and RK Jansen. "Phylogenetic relationships of the Mexican tussilaginoide genera (Asteraceae: Senecioneae)". In: *Journal of the Botanical Research Institute of Texas* 12 (2018), pp. 481–498. ISSN: 1934-5259.
- [14] **M Gruenstaeudl**, N Gerschler, and T Borsch. "Bioinformatic workflows for generating complete plastid genome sequences - An example from *Cabomba* (Cabombaceae) in the context of the phylogenomic analysis of the water-lily clade". In: *Life* 8 (2018). doi: <https://doi.org/10.3390/life8030025>, p. 25.
- [13] N Korotkova, G Parolly, A Khachatryan, L Ghulikyan, H Sargsyan, J Akopian, T Borsch, and **M Gruenstaeudl**. "Towards resolving the evolutionary history of Caucasian pears (*Pyrus*, Rosaceae) - Phylogenetic relationships, divergence times and leaf trait evolution". In: *Journal of Systematics and Evolution* 56 (2017). doi: <https://doi.org/10.1111/jse.12276>, pp. 35–47.
- [12] E Maharramova, I Huseynova, S Kolbaia, **M Gruenstaeudl**, T Borsch, and LAH Muller. "Phylogeography and population genetics of the riparian relict tree *Pterocarya fraxinifolia* (Juglandaceae) in the South Caucasus". In: *Systematics and Biodiversity* 16 (2017). doi: <https://doi.org/10.1080/14772000.2017.1333540>, pp. 14–27.
- [11] **M Gruenstaeudl**, BC Carstens, A Santos-Guerra, and RK Jansen. "Statistical hybrid detection and the inference of ancestral distribution areas in *Tolpis* (Asteraceae)". In: *Biological Journal of the Linnean Society* 121 (2017). doi: <https://doi.org/10.1093/biolinnean/blw014>, pp. 133–149.
- [10] **M Gruenstaeudl**, L Nauheimer, and T Borsch. "Plastid genome structure and phylogenomics of Nymphaeales: Conserved gene order and new insights into relationships". In: *Plant Systematics and Evolution* 303 (2017). doi: <https://doi.org/10.1007/s00606-017-1436-5>, pp. 1251–1270.
- [9] BC Carstens, **M Gruenstaeudl**, and NM Reid. "Community trees: Identifying codiversification in the Paramo dipteran community". In: *Evolution* 70 (2016). doi: <https://doi.org/10.1111/evo.12916>, pp. 1080–1093.
- [8] **M Gruenstaeudl**. "WARACS: Wrappers to automate the reconstruction of ancestral character states". In: *Applications in Plant Sciences* 4 (2016). doi: <https://doi.org/10.3732/apps.1500120>, p. 1500120.
- [7] **M Gruenstaeudl**, NM Reid, GL Wheeler, and BC Carstens. "Posterior predictive checks of coalescent models: P2C2M, an R package". In: *Molecular Ecology Resources* 16 (2015). doi: <https://doi.org/10.1111/1755-0998.12435>, pp. 193–205.
- [6] **M Gruenstaeudl**, CV Hawkes, A Santos-Guerra, and RK Jansen. "Preliminary investigations of correlated diversification between plants and their associated arbuscular mycorrhizal fungi in Macaronesia". In: *Proceedings of the Amurga International Conferences on Island Biodiversity 2011*. Ed. by J Caujape-Castells, G Nieto-Feliner, and JM Fernandez-Palacios. Las Palmas, Spain: Fundacion Canaria Amurga Maspalomas, 2013, pp. 146–153. ISBN: 978-84-616-7394-0.
- [5] **M Gruenstaeudl**, A Santos-Guerra, CV Hawkes, and RK Jansen. "Molecular survey of arbuscular mycorrhizal fungi associated with *Tolpis* on three Canarian islands (Asteraceae)". In: *Viera* 41 (2013). doi: <http://dx.doi.org/10.31939/viera.2013.41.17>, pp. 233–252. ISSN: 0210-945X.

- [4] **M Gruenstaeudl**, A Santos-Guerra, and RK Jansen. “Phylogenetic analyses of *Tolpis* Adans. (Asteraceae) reveal patterns of adaptive radiation, multiple colonization and interspecific hybridization”. In: *Cladistics* 29 (2013). doi: <https://doi.org/10.1111/cla.12005>, pp. 416–434.
- [3] V Funk, A Anderberg, B Baldwin, R Bayer, J Bonifacio, I Breitwieser, L Brouillet, R Carbajal, R Chan, A Coutinho, D Crawford, J Crisci, M Dillon, S Freire, M Galbany Casals, N Garcia-Jacas, B Gemeinholzer, **M Gruenstaeudl**, HW Lack, and L Watson. “Compositae metatrees: the next generation”. In: *Systematics, Evolution and Biogeography of the Compositae*. Ed. by VA Funk, A Susanna, TF Stuessy, and R Bayer. Vienna, Austria: International Association For Plant Taxonomy (IAPT), 2009, pp. 747–777. ISBN: 978-39-501-7543-1.
- [2] TF Stuessy, E Urtubey, and **M Gruenstaeudl**. “Barnadesieae (Barnadesioideae)”. In: *Systematics, Evolution and Biogeography of the Compositae*. Ed. by V.A. Funk, A. Susanna, T.F. Stuessy, and R. Bayer. Vienna, Austria: IAPT, 2009, pp. 215–228. ISBN: 978-39-501-7543-1.
- [1] **M Gruenstaeudl**, E Urtubey, RK Jansen, R Samuel, MHJ Barfuss, and TF Stuessy. “Phylogeny of Barnadesioideae (Asteraceae) inferred from DNA sequence data and morphology”. In: *Molecular Phylogenetics and Evolution* 51 (2009). doi: <https://doi.org/10.1016/j.ympev.2009.01.023>, pp. 572–587.

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## CONFERENCE PRESENTATIONS

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| 2025 <b>Contributed Talk</b><br><i>OLC Accelerate 2025: Orlando, Florida, USA</i>                   | 2018 <b>Contributed Talk</b><br><i>Gesellsch. für Biol. Systematik: Vienna, Austria</i>      |
| 2024 <b>Invited Seminar</b><br><i>Wichita State University, USA</i>                                 | 2017 <b>Contributed Talk</b><br><i>Genomics in Biodiversity Res.: Berlin, Germany</i>        |
| 2024 <b>Contributed Talk</b><br><i>20th Int'l Botanical Congress: Madrid, Spain</i>                 | 2016 <b>Contributed Talk</b><br><i>Dahlem Center of Plant Sciences: Berlin, Germany</i>      |
| 2024 <b>Contributed Talk</b><br><i>Austrian Bioinform. Workshop 2024: Graz, Austria</i>             | 2015 <b>Contributed Talk</b><br><i>VISCEA Ecology &amp; Evolution Conf.: Vienna, Austria</i> |
| 2021 <b>Contributed Talk (online)</b><br><i>Deutsche Bot. Gesellsch.: Oldenburg, Germany</i>        | 2015 <b>Invited Seminar</b><br><i>University of Leipzig, Germany</i>                         |
| 2021 <b>Contributed Talk (online)</b><br><i>19. Österreich. Botanik-Tagung: Krems, Austria</i>      | 2014 <b>Contributed Talk</b><br><i>Society for the Study of Evolution Conf., USA</i>         |
| 2021 <b>Workshop Organizer (online)</b><br><i>Botanical Soc. of America Conf.: Connecticut, USA</i> | 2011 <b>Invited Seminar</b><br><i>University of Wageningen, The Netherlands</i>              |
| 2021 <b>Contributed Talk (online)</b><br><i>Botanical Soc. of America Conf.: Connecticut, USA</i>   | 2010 <b>Contributed Talk</b><br><i>Flora Macaronesia Int'l Symp.: Azores, Portugal</i>       |
| 2020 <b>Contributed Talk (online)</b><br><i>Barcode of Life Initiative: Vienna, Austria</i>         | 2010 <b>Contributed Talk</b><br><i>9th Int'l Mycological Conf.: Edinburgh, UK</i>            |
| 2019 <b>Workshop Organizer</b><br><i>Gesellsch. für Biol. Systematik: Munich, Germany</i>           | 2009 <b>Contributed Talk</b><br><i>Botanical Soc. of America Conf.: Utah, USA</i>            |
| 2019 <b>Contributed Talk</b><br><i>Gesellsch. für Biol. Systematik: Munich, Germany</i>             | 2008 <b>Contributed Talk</b><br><i>Botany 2008 Conf.: Vancouver, Canada</i>                  |
| 2018 <b>Contributed Talk</b><br><i>Deutsche Bot. Gesellsch.: Klagenfurt, Austria</i>                | 2007 <b>Contributed Talk</b><br><i>Botany &amp; Plant Biology 2007 Conf.: Chicago, USA</i>   |
| 2018 <b>Workshop Organizer</b><br><i>Gesellsch. für Biol. Systematik: Vienna, Austria</i>           |  |

## Teaching

### — LIST OF UNIVERSITY COURSES TAUGHT —

 graduate-level course

Assistant Professor at Fort Hays State Univ.

<b>Principles of Biology</b> (BIOL180, 3 credits) – Lectures	Sole instructor	<b>4 semesters</b> Spring 2025, Fall 2024, Fall 2023, Spring 2023
<b>Genetics</b> (BIOL325, 3 credits) – Lectures	Sole instructor	<b>4 semesters</b> Spring 2023, Spring 2024, Fall 2024, Fall 2025
<b>Genetics</b> (BIOL325, 1 credit) – Labs	Sole instructor	<b>4 semesters</b> Spring 2023, Spring 2024, Fall 2024, Fall 2025
<b>Topics in Biology: Bioinformatics</b> (BIOL607/G, 3 credits) 	Sole instructor	<b>2 semesters</b> Fall 2023, Fall 2025
<b>Botany</b> (BIOL250, 3 credits) – Lectures	Sole instructor	<b>2 semesters</b> Fall 2023, Spring 2025
<b>Botany</b> (BIOL250L, 1 credit) – Labs	Sole instructor	<b>2 semesters</b> Fall 2023, Spring 2025
<b>Plant Anatomy</b> (BIOL330, 3 credits) – Lectures	Sole instructor	<b>1 semester</b> Fall 2025
<b>Plant Anatomy</b> (BIOL330L, 1 credit) – Labs	Sole instructor	<b>1 semester</b> Fall 2025
<b>Topics in Biology: Molecular Biology, 4 credits</b> (BIOL607/G) 	Sole instructor	<b>1 semester</b> Fall 2023
<b>Readings in Biology: The Impact of AI on Biology and Medicine</b> (BIOL482/BIOL882, 2 credits) 	Sole instructor	<b>1 semester</b> Fall 2023

Lecturer at the Freie Universität Berlin

<b>Genetik &amp; Genomforschung</b> (LVNr. 23771a) – Vorlesung Genetics & Genomics – Lectures	Co-instructor	<b>4 semesters</b> Fall 2018, Fall 2019, Fall 2020 (online), Fall 2021 (online)
<b>Genetik &amp; Genomforschung</b> (LVNr. 23771b) – Praktikum Genetics & Genomics – Labs	Co-instructor	<b>4 semesters</b> Fall 2018, Fall 2019, Fall 2020 (online), Fall 2021 (online)
<b>Einführung in Botanik &amp; Biodiversität</b> (LVNr. 23106) – Vorlesung Introduction to Botany & Biodiversity – Lectures	Co-instructor	<b>5 semesters</b> Fall 2017, Fall 2018, Fall 2019, Fall 2020 (online), Fall 2021 (online)

<b>Einführung in Botanik &amp; Biodiversität</b> (LVNr. 23108a-e) – Praktikum Introduction to Botany & Biodiversity – Labs	Co-instructor	<b>6 semesters</b> Fall 2016, Fall 2017, Fall 2018, Fall 2019, Fall 2020 (online), Fall 2021 (online)
<b>Botanik &amp; Mikrobiol. für das Fach Biochemie</b> (LVNr. 23700) – Vorlesung Botany & Microbiol. for Biochemists – Lectures	Co-instructor	<b>5 semesters</b> Fall 2017, Fall 2018, Fall 2019, Fall 2020 (online), Fall 2021 (online)
<b>Allg. Botanik &amp; Pflanzenphys. für Veterinärmed.</b> (LVNr. 23760b-c) – Vorlesung Botany & Plant Phys. for Veterinary Sci. – Lectures	Co-instructor	<b>5 semesters</b> Fall 2017, Fall 2018, Fall 2019, Fall 2020 (online), Fall 2021 (online)
<b>Prakt. Vertiefung Fachwissenschaft Biologie–Evolution</b> (LVNr. 23653) – Seminar Topics in Biology: Evolution – Seminar 	Co-instructor	<b>5 semesters</b> Spring 2017, Spring 2019, Spring 2020 (online), Spring 2021 (online)
<b>Prakt. Vertiefung Fachwissenschaft Biologie–Evolution</b> (LVNr. 23654a-b) – Praktikum Topics in Biology: Evolution – Labs 	Co-instructor	<b>5 semesters</b> Spring 2017, Spring 2019, Spring 2020 (online), Spring 2021 (online)
<b>Forschungspraktikum Bioinformatik</b> (LVNr. 19400432) – Praktikum Research in Bioinformatics – Labs	Co-instructor	<b>1 semester</b> Spring 2019
<b>Current Topics in Plant Systematics &amp; Evolution</b> (LVNr. 23815) – Seminar 	Co-instructor	<b>1 semester</b> Fall 2018
<b>Evolution &amp; Biodiversität–Botanik</b> (LVNr. 23303a-e) – Vorlesung Evolution & Biodiversity–Botany – Lectures 	Co-instructor	<b>1 semester</b> Spring 2015

## GRADUATE STUDENT SUPERVISION

David Esteban Bohorquez	Master of Science	Fort Hays State Univ.	Primary/Thesis Adv.	2025–ongoing
Thanina Hamitouche	Master of Science	Fort Hays State Univ.	Primary/Thesis Adv.	2025–ongoing
Buddha Thapa Magar	Master of Science	Fort Hays State Univ.	Primary/Thesis Adv.	2024–ongoing
Louisa Acquah	Master of Science	Fort Hays State Univ.	Primary/Thesis Adv.	2023–ongoing
Nils Jenke	Master of Science	Freie Univ. Berlin	Primary/Thesis Adv.	2020–2021
Yannick Hartmaring	Master of Science	Freie Univ. Berlin	Primary/Thesis Adv.	2020–2021
Eka Giorgashvili	Master of Science	Freie Univ. Berlin	Primary/Thesis Adv.	2019–2020
Jessica Röstel	Master of Science	Freie Univ. Berlin	Primary/Thesis Adv.	2019–2020
Griffin Davis	Master of Science	Fort Hays State Univ.	Committee Member	2024–ongoing
Gabriella Rueschhoff	Master of Science	Fort Hays State Univ.	Committee Member	2024–ongoing

Alfred Appiah	Master of Science	Fort Hays State Univ.	Committee Member	2023–2025
Jacob Alexander	Master of Science	Fort Hays State Univ.	Committee Member	2023–2025
Isaac Odoi	Master of Science	Fort Hays State Univ.	Committee Member	2023–2024

### — UNDERGRADUATE STUDENT SUPERVISION —

Note: In Austria and Germany, B.S. degrees require a mandatory research thesis.

Tilman Mehl	Bachelor of Science	Freie Univ. Berlin	Primary/Thesis Adv.	2020
Nils Jenke	Bachelor of Science	Freie Univ. Berlin	Primary/Thesis Adv.	2019
Yannick Hartmaring	Bachelor of Science	Freie Univ. Berlin	Primary/Thesis Adv.	2019

### — HONORS, AWARDS & CERTIFICATES FOR TEACHING —

<b>Certificate in Effective Teaching Practices</b>	Assoc. of College and Univ. Educators	2025
9-month (25-module) course in effective teaching practices on implementation of evidence-based instructional approaches		
<b>Teaching grant—Experiential learning innovation</b>	Fort Hays State University	2023
<b>Teaching grant—Undergraduate research experience</b>	Fort Hays State University	2023
<b>Teaching grant—Industry 4.0</b>	Freie Universität Berlin	2018
<b>Teaching award</b>	Freie Universität Berlin	2017
<b>Scholarship of excellence</b>	Land Niederösterreich	2012
<b>Graduate student research award</b>	American Society of Plant Taxonomists	2011
<b>Graduate student research award</b>	Mycological Society of America	2010
<b>Graduate student research award</b>	Botanical Society of America	2010
<b>Teaching assistant award</b>	University of Texas at Austin	2007

## Service

### — LEADERSHIP TRAINING —

<b>LHH Executive Program for Leaders &amp; Managers</b>	LHH   OTM Career Development	2022
4-month training in communication, transition management, interviews, hearings, and assessments		

### — COMMITTEE WORK —

#### University committees

<b>Strategic Planning &amp; Improv. Committee</b> , Chair	Fort Hays State University	2025–ongoing
<b>Faculty Senate</b> , Full Member	Fort Hays State University	2025–ongoing
<b>Departm. Hiring Committee</b> , Chair	Fort Hays State University	2025

<b>Faculty Senate</b> , Alternate Member	Fort Hays State University	2024–2025
<b>Department. Graduate Education Committee</b> , Member	Fort Hays State University	2024–ongoing
<b>Department. Hiring Committee</b> , Member	Fort Hays State University	2024
<b>Department. Scholarship Committee</b> , Member	Fort Hays State University	2024
<b>Department. Infrastructure Committee</b> , Member	Freie Universität Berlin	2017–2018

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## PEER-REVIEW

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### Funding Agencies

- Deutsche Forschungsgemeinschaft (DFG)

### Scientific Journals

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| <ul style="list-style-type: none"> <li>• Annals of Botany</li> <li>• BMC Plant Biology</li> <li>• Botanical Journal of the Linnean Society</li> <li>• Frontiers in Plant Science</li> <li>• GigaScience</li> <li>• Mathematical Biosciences</li> <li>• Mitochondrial DNA Part B</li> <li>• Molecular Ecology</li> </ul> | <ul style="list-style-type: none"> <li>• Molecular Ecology Resources</li> <li>• Nordic Journal of Botany</li> <li>• Plant Systematics and Evolution</li> <li>• PLOS One</li> <li>• Systematic Botany</li> <li>• Taxon</li> <li>• Willdenowia</li> </ul> |
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## SCIENTIFIC MEMBERSHIPS

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| <ul style="list-style-type: none"> <li>• International Society for Computational Biology (ISCB)</li> <li>• International Association for Plant Taxonomy (IAPT)</li> <li>• Austrian Scientists &amp; Scholars in North America (ASCINA)</li> </ul> | <ul style="list-style-type: none"> <li>• German Association of University Professors and Lecturers (DHV)</li> <li>• German Botanical Society (DBG)</li> <li>• Council on Undergraduate Research (CUR)</li> </ul> |
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