Curriculum Vitae-Derek J. Gingerich

Department of Biology, University of Wisconsin-Eau Claire
Phillips Hall 352, University of Wisconsin-Eau Claire, Eau Claire, WI 54702
Tel: 715-836-4415 Fax: 715-836-5089
Email: gingerdj@uwec.edu

Education

Undergraduate
Eastern Mennonite University, B.S. (1992-1996)
Majors: Biochemistry, Biology
Research: Protein changes in the accessory sex glands of mice in response to hormones.
Research Advisor: Dr. Treasure Sucheck

Graduate
Cornell University, Ph.D. (1996-2002) Field of Biochemistry, Molecular, and Cell Biology
Minor: Plant Molecular Biology
Research: Cytokinin-mediated gene expression in *Arabidopsis thaliana*.
Research Advisor: Dr. Stephen Howell

Post-Doctoral Fellow
University of Wisconsin-Madison Department of Genetics (2002-2007)
Research: Investigation of E3 ubiquitin-ligase functions in *Arabidopsis thaliana*.
Research Advisor: Dr. Richard Vierstra

Academic Appointments

Associate Professor (2013-present)
Assistant Professor (2007-2013)
University of Wisconsin-Eau Claire Department of Biology
Teaching Areas: cell and molecular biology, genetics, general biology, plant physiology, and bioinformatics
Research: Investigation of BTB/CUL3 E3 ubiquitin-ligase function and evolution in plants. Analysis of light response pathways in plants. Studies of human genetic variants and their roles in disease.

Teaching

Assistant and Associate Professor, University of Wisconsin-Eau Claire (2007-present)
Courses taught: Molecular Biology (lecture)
Molecular and Cell Biology (lecture)
Advanced Cell and Molecular Lab (laboratory)
Genetics (lecture and laboratory)
Organismal Form and Function (lecture and laboratory)
Foundations of Biological Inquiry (laboratory)
Molecular Genetics, Bioinformatics unit (lecture)
Essentials of Cell Biology and Genetics (lecture and laboratory)
Non-Majors General Biology (laboratory)

Biology Major Capstone Seminar
Genome Editing (lecture)

Guest Lecturer, Edgewood College (2003-2004)
Lectures given: (Cell and Molecular Biology course): Lysosomes and Degradation of Cellular Components, the Ubiquitin Pathway.
(Botany course): Light and Temperature, Nutrition and Transport.
(Genetics course): Reverse Genetics.

Graduate Teaching Assistant, Cornell University (1997-1998)
Courses: Principles of Biochemistry, Molecular Biology Lab

Course and Curricular Development

2020: Developed a special topics lecture/discussion course on genome editing.

2018-present: Member of committee that developed and implemented the new UWEC Bioinformatics major.

2017: Developed the UWEC BIOL 405 Advanced Cell and Molecular Laboratory, an upper-laboratory course teaching methods in molecular/cell biology research using prokaryotic and eukaryotic systems, focusing on DNA and RNA analyses.

2017-present: Contributed to revisions of the UWEC BIOL 221 Foundations of Biology I laboratory, a course that introduces concepts and laboratory analyses in the areas of cell biology, genetics, evolution, and microbiology.

2016: Developed the UWEC BIOL 305 Molecular and Cell Biology, an upper-level lecture course presenting current concepts in molecular/cell biology including structure/function of cells and cell organelles, gene function/regulation, and cell signaling.

2014: Contributed to development of the UWEC BIOL 222 Foundations of Biology II (a lecture course introducing evolution, organismal form and function, and ecology) and BIOL 223 Foundations of Biological Inquiry (a laboratory course introducing inquiry methods in biology, focusing on scientific methods including experimental design, data analysis, and critical thinking).

2013: Developed a plant research project system for the UWEC BIOL 211 Organismal Form and Function laboratory, based on the commonly-used model organism *Arabidopsis thaliana.*

2009: Developed a bioinformatics mini-course, taught as a 6-week unit in the UWEC BIOL 409 Molecular Genetics course. Topics taught included sequence databases and database searching, gene annotation, sequence alignment theory and alignment protocols, molecular phylogenetic analysis, and molecular evolution.

Teaching Awards

2021- Recognized by the UWEC basketball team as a faculty member that has had a positive influence on the college experience of one of its team members.

2019-Awarded the UWEC Biology Department Vic and Eileen Cvancara Outstanding Teacher award.

2013- Recognition by the University of Wisconsin-Eau Claire Senior GRAD-itude initiative for contributions to graduating seniors.

2009- University of Wisconsin Eau-Claire Student Support Services Program-Certificate of Recognition for Contribution to Students

Teaching: Presentations at National/International Meetings

Anderson, H., Viesselmann, K., Chan-Weiher, C., **Gingerich, D.**, and Lyman Gingerich, J. C*ourse Development: Building an Advanced Cell/Molecular Lab as Undergraduate Research.*
Society for Developmental Biology 78th Annual Meeting, Boston, MA
July 2019

Teaching: Internal Grant Funding

Title: ***A Proposal for Development and Assessment of New Curriculum for BIOL405*.**
Co-PI (with Dr. Jamie Lyman-Gingerich and Ms. Christina Chan-Weiher)
University of Wisconsin-Eau Claire Center for Excellence in Teaching and Learning
Summer Scholarship of Teaching and Learning Grant Program
Summer 2016

Publications: Research

University of Wisconsin-Eau Claire students marked with asterisks *

1. **Gingerich, D.**, Reither, D.*, Leavens, C.*, Wegner, S., Fischer, G., and Lyman-Gingerich, J. The *RPGR* variant c.619+5G>C activates a cryptic splice site resulting in differential splicing. *In Preparation*
2. **Gingerich, D.**, Hellmann, H., Christians, M., & Stone, S. (2021). Structure, Function, and Evolution of E3 Ligases and Targets. Frontiers in Plant Science, 12
3. Majee, M., Kumar, S., Kathare, P.K., Wu, S., **Gingerich, D.**, Nayak, N.R., Salaita, L., Dinkins, R., Martin, K., Goodin, M.**,** Dirk, L.M., Lloyd, T.D., Ling, Z., Chappell, J., Hunt, A.G., Vierstra, R.D., Huq, E. and Downie, A.B. (2018) KELCH F-BOX protein positively influences Arabidopsis seed germination by targeting PHYTOCHROME-INTERACTING FACTOR 1. Proceedings of the National Academy of Sciences. 115.17: E4120-E4129.
4. Majee, M., Wu, S., Salaita, L., **Gingerich, D.**, Dirk, LMA, Chappell J., Hunt A.G., Vierstra, R. Downie, A.B. (2017) A misannotated locus positively influencing Arabidopsis seed germination is deconvoluted using multiple methods, including surrogate splicing. *Plant Gene*. 10:74-85
5. Christians, M.J., **Gingerich, D.J.**, Zhihua, H., Lauer, T.D.*, Vierstra, R.D. (2012) The Light-Response BTB1 and 2 Proteins Assemble Nuclear Ubiquitin Ligases that Modify Phytochrome B and D Signaling in Arabidopsis. *Plant Physiology*. 160:118-134

6. Christians M.J., **Gingerich D.J.**, Hansen M., Binder B.M., Kieber J.J., Vierstra R.D. (2009) The BTB ubiquitin ligases ETO1, EOL1 and EOL2 act collectively to regulate ethylene biosynthesis in Arabidopsis by controlling type-2 ACC synthase levels. *The Plant Journal*. 57:332-345
7. **Gingerich, D.J.**, Hanada, K., Shiu, S.H., Vierstra, R.D. (2007) Large-Scale, Lineage- Specific Expansion of a Bric-a-Brac/Tramtrack/Broad Complex Ubiquitin-Ligase Gene Family in Rice. *Plant Cell* 19:2329-2348.
8. **Gingerich D.J.,** Gagne J.M., Salter D.W., Hellmann H., Estelle M., Ma L., Vierstra R.D. (2005) Cullins 3a and 3b Assemble with Members of the Broad Complex/Tramtrack/Bric-a-Brac (BTB) Protein Family to Form Essential Ubiquitin-Protein Ligases (E3s) in Arabidopsis. *J. Biol Chem*. 280:18810-18821**.**
9. Gagne J.M., Smalle J., **Gingerich D.J.**, Walker J.M., Yoo S.D., Yanagisawa S., Vierstra R.D. (2004) Arabidopsis EIN3-binding F-box 1 and 2 form ubiquitin-protein ligases that repress ethylene action and promote growth by directing EIN3 degradation. *Proc. Natl. Acad. Sci. USA*. 101:6803-6808.
10. Downes B.P., Stupar R.M., **Gingerich D.J**., Vierstra R.D. (2003) The HECT ubiquitin-protein ligase (UPL) family in Arabidopsis: UPL3 has a specific role in trichome development. *Plant J.* 35:729-742.
11. Che P.**, Gingerich D.J.,** Lall S., Howell S.H. (2002) Global and hormone-induced gene expression changes during shoot development in Arabidopsis. *Plant Cell*. 14: 2771-2785.
12. Faure J-D, **Gingerich D. J.**, Howell S.H. (1998) An Arabidopsis immunophilin, AtFKBP12, binds to AtFIP37 (FKBP interacting protein) in an interaction that is disrupted by FK506. The Plant Journal. 15: 783-789

Publications: Scholarship of Teaching and Learning

University of Wisconsin-Eau Claire students marked with asterisks *
1. Anderson H.*, Viesselmann K.*, Chan-Weiher C., **Gingerich, D.**, Lyman-Gingerich J. (2018) A Team-Based Approach to Course Development Involving Undergraduate Researchers. CourseSource. 5. https://doi.org/10.24918/cs.2018.6

Extramural Research Funding

National Science Foundation Research in Undergraduate Institutions Grant (#0919678)
NSF Division of Integrative Organismal Systems, Plant, Fungal, and Microbial Developmental Systems Cluster.
Title: "RUI: Analysis of the Role of a Family of Putative E3 Ubiquitin-Ligase Target Adapters in Phytochrome Signaling in *Arabidopsis thaliana*"
Project Duration: 2009-2013
Award Amount: $150,000

National Science Foundation- Major Research Instrumentation Grant (#1428875)
Title: "MRI: Acquisition of a Confocal Laser Scanning Microscope to Enable Undergraduate Research and Research Training across Disciplines"
Co-PI with Drs. Elizabeth Glogowski, Matthew Jewell, and Jamie Lyman-Gingerich
Award Date: 2014
Award Amount: $505,526

National Science Foundation Research in Undergraduate Institutions Grant (#1354438)
NSF Division of Integrative Organismal Systems, Plant, Fungal, and Microbial Developmental Systems Cluster.
Title: RUI: Analysis of Mutants Identified in Screens for Suppressors or Enhancers of a Red Light Hypersensitive E3 Ubiquitin-Ligase Mutant."
Project Duration: 2014 - 2019
Award Amount: $214,510

Mayo Clinic-UW-Eau Claire Research and Innovation Council Grant
Title: Analysis of Effect on RNA Splicing of Genetic Variants of Unknown Significance Identified in Patients.
Project Duration: June 2020- December 2022
Award amount: $110,736

Internal Research Grants

UWEC University Research and Creative Activity Grant
Title: "Genetic/Molecular Analysis of Red-Light Responses in Plants"
Project Duration: 2024-2025
Award Amount: $3,000

UWEC Environmental Research & Creative Activity Incentive Grant.
Title: "Genetic/Molecular Analysis of Red-Light Responses in Plants"
Project Duration: 2024-2025
Award Amount: $1,000

UWEC Environmental Research & Creative Activity Incentive Grant.
Title: "Genetic/Molecular Analysis of Red-Light Responses in Plants"
Project Duration: 2023-2024
Award Amount: $1,000

University of Wisconsin-Eau Claire Faculty/Student Collaborative Research, Summer Research Experience for Undergraduates, and Diversity Mentoring grants: 29 projects and 22 students funded (2008-present).

Research Talks (since 2007)

Ohio University Environmental and Plant Biology Seminar Series, 2016
"Seeing Red: BTB/CUL3 E3 Ubiquitin Ligases and the Phytochrome-Mediated Red Light Response Pathway in Plants"

University of Wisconsin-Eau Claire Biology Department Seminar Series, 2013
"Reaching For the Light: Ubiquitin Ligases and Light Reponses in Arabidopsis thaliana"

University of Wisconsin-Eau Claire Faculty Forum Series, 2011
"*Reaching Towards the Light: Molecular Mechanisms of Plant Shade Responses*"

25th Annual Missouri Plant Biology Symposium: Plant Photobiology, Columbia, MO, 2008
"LRB1 and LRB2, Putative E3 Ubiquitin-Ligase Target Adapters, Act in the Red Light Signaling Pathway in Arabidopsis thaliana"

Student Research Presentations (University of Wisconsin-Eau Claire students are in bold)

Posters at National/International Scientific Meetings (Presenting students are underlined)

2024 National Conference on Undergraduate Research, Long Beach, CA
Karisa Denig, Derek Gingerich
Analysis of Arabidopsis thaliana PHYB Mutants Identified in a Genetic Enhancer Screen

Plant Biology 2023 (annual meeting of the American Society of Plant Biologists), Savannah, GA
Karisa Denig, Derek Gingerich
Analysis of Arabidopsis thaliana PHYB Mutations Identified in a Genetic Enhancer Screen

2023 National Conference on Undergraduate Research, Eau Claire, WI
Emma Vega-Martinez, Derek Gingerich
Analysis of the Effect of Temperature on Red Light Responses in Arabidopsis thaliana

2023 National Conference on Undergraduate Research, Eau Claire, WI
Karisa Denig, Derek Gingerich
Analysis of PHYB Mutations Identified in a Genetic Enhancer Screen in Arabidopsis thaliana

Plant Biology 2021 (annual meeting of American Society of Plant Biologists), Virtual Conference
Aidan Voon, Sofia Arisian, Derek Gingerich
"Analysis of Arabidopsis thaliana PHYB Mutants Identified in a Genetic Enhancer Screen."

Plant Biology 2020 (annual meeting of American Society of Plant Biologists), Virtual Conference
Jett Nauman, Charles Running-Fischer, Derek Gingerich
"Analysis of Arabidopsis thaliana PHYB Mutants Identified in a Genetic Enhancer Screen."

Plant Biology 2018 (annual meeting of American Society of Plant Biologists), Montreal, Quebec, Canada
Allison Welter, Derek Gingerich
"Analysis of Arabidopsis thaliana Red-Light Response Mutants Identified in a Genetic Enhancer Screen"

Plant Biology 2017 (annual meeting of American Society of Plant Biologists), Honolulu, HI,
Zachary Jacobson, Derek Gingerich
"Characterization of Broad Complex/Tramtrack/Brac-a-Brac (BTB) E3 Ubiquitin-Ligase Gene Families in the Viridiplantae"

Plant Biology 2015 (annual meeting of American Society of Plant Biologists), Minneapolis, MN
Luke Helminiak, **Kari Carothers**, Derek Gingerich
"Creation and Characterization of LRB (Light-Response BTB) /PIF (Phytochrome-Interacting Factor) Mutant Lines in Arabidopsis thaliana"

Plant Biology 2015 (annual meeting of American Society of Plant Biologists), Minneapolis, MN
Kevin Mayer, **Weston Orendorff**, Derek Gingerich
"Characterization of Arabidopsis thaliana Light Mutants Identified in an lrb1 lrb2 Genetic Suppressor Screen"

Plant Biology 2015 (annual meeting of American Society of Plant Biologists), Minneapolis, MN
Katie Plamann, Derek Gingerich
"Characterization of BTB E3 Ubiquitin-Ligase Gene Families in Lower Plants and Algae"

27th National Council on Undergraduate Research (NCUR), LaCrosse, WI (2013)
Jordan Montpetit, **Gavin Sunde**, **Timothy Lauer**, Derek Gingerich
"Characterization of a Red Light- Insensitive Arabidopsis thaliana Mutant Identified in a Genetic Suppressor Screen."

Plant Biology 2012 (annual meeting of the American Society of Plant Biologists), Austin, TX
Gavin Sunde, Matthew Christians, **Timothy Lauer**, **Jordan Montpetit**, Richard Vierstra, Derek Gingerich
"A Genetic Screen Identifying Mutations Which Suppress the Phenotype of a Putative E3 Ubiquitin-Ligase Mutant Which is Red Light Hypersensitive."

ICAR 2011 (22nd International Conference on Arabidopsis Research), Madison, WI
Gavin Sunde, **Timothy Lauer**, Matthew Christians, Richard Viestra, Derek Gingerich
"A Genetic Screen Identifying Mutations Which Suppress or Enhance the Phenotype of a Red Light Hypersensitive Mutant."

Plant Biology 2010 (annual meeting of the American Society of Plant Biologists), Montreal, CA
Timothy Lauer., Matthew Christians, Richard Vierstra, Derek Gingerich
"Suppressor Screen of LRB (Light Response BTB)1/LRB2 Mutants in Arabidopsis thaliana."

Student Oral Presentations at University of Wisconsin-Eau Claire Provost's Honor Symposium

2024 **Karisa Denig**
"Analysis of Arabidopsis thaliana Red-Light Mutants Identified in a Genetic Enhancer Screen"

2018 **Allison Welter**
"Analysis of Arabidopsis thaliana Red-Light Response Mutants Identified in a Genetic Enhancer Screen"

2013 **Gavin Sunde**
"Identifying Genes Involved in Light Signaling Using Genetic Suppressor and Enhancer Screens in the Flowering Plant Arabidopsis thaliana"

2011 **Gavin Sunde, Timothy D. Lauer**
"A Genetic Screen to Identify Light-Signaling Components in Arabidopsis thaliana"

UWEC Student Research Day/Celebration of Excellence in Research and Creative Activity
Thirty-one of my research students have presented thirty-two posters at the UWEC Student Research Day/CERCA event since 2008.

Awards
NIH National Research Service Award Individual Post-Doctoral Fellowship (2003-2006)
Plant Cell and Molecular Biology Program Fellowship, Cornell University (2000-2001)
Plant Cell and Molecular Biology Program Fellowship, Cornell University (1999-2000)
Biochemistry, Molecular and Cell Biology Training Grant, Competitive Slot, Cornell University (1998-1999)
Plant Cell and Molecular Biology Program Fellowship, Cornell University (1997-1998)
Outstanding Senior Biochemistry Major, Eastern Mennonite University (1996)

Professional Societies:
Member of the Council of Undergraduate Research (2009-2015)
Member of the American Society of Plant Biologists (2005-present)
Member of the American Chemical Society (1996-2003)

Service Awards
2023 UWEC College of Arts and Sciences Exemplary Colleague Award.

Major Service Activities
Professional:
2023: Completed an external review of a faculty member who was a candidate for tenure and promotion to the rank of Associate Professor in the Department of Biology at the University of Minnesota-Morris.
2021-present: Organized and currently leading a group of individuals from multiple plant science societies who are meeting to promote cross-society interaction and collaboration, particularly with respect to primarily-undergraduate institutions issues.
2020-2021: Organized and led a Research Topic ("Structure, Function, and Evolution of E3 Ligases and Targets") for Frontiers in Plant Science - Plant Physiology.
2020, 2021: Organized annual elections for the Primarily Undergraduate Institutions Section of the American Society of Plant Biologists (ASPB).
2020: Co-organizer: ASPB Primarily Undergraduate Institutions Section Faculty Development Workshop at Plant Biology 2020.
2020: Completed an external review of a faculty member who was a candidate for tenure and promotion to the rank of Associate Professor in the Department of Biology at Merrimack College.
2019: Coauthor: Grant proposal to the National Science Foundation to fund ASPB PUI Section activities at Plant Biology 2019 and travel grants for PUI faculty. Funded for $41,061 (award #1923963).
2019: Co-organizer: ASPB Primarily Undergraduate Institutions Section Faculty Development Workshop at Plant Biology 2019 (San Jose, CA).

2019-2021: Member: Steering Committee of the Primarily Undergraduate Institutions Section of ASPB.
2019-present: Review Editor: Frontiers in Plant Science - Plant Physiology.
2018-2019: President of the Primarily Undergraduate Institutions Section of ASPB.
2018: Promotion package evaluator for faculty member at Kenyon College.
2017-2018: Member: leadership group organizing new Primarily Undergraduate Institution (PUI) Section of ASPB.
2017: Chair: committee that prepared a proposal to the ASPB Board of Directors and Council for recognition of a Primarily Undergraduate Institution (PUI) Section of the Society.
2017: Member: organizing committee for the Primarily Undergraduate Institution (PUI) workshop at the Plant Biology 2017 meeting. Honolulu, HI, June 24th-28th 2017.
2016: Coauthor: grant proposal for funds to support the PUI workshop at Plant Biology 2017 (titled: "Conference: Plant Biology 2017 PUI Faculty Development Workshop") to the United States Department of Agriculture (USDA) Agriculture and Food Research Initiative Competitive Grants Program. Funded for $25,000 (award #2017-67013-26163).
2016: Presented a talk on obtaining National Science Foundation research funding at the Primarily Undergraduate Institution workshop at the Plant Biology 2016 meeting. Austin, TX
2014: Served on National Science Foundation, Integrative Organismal Systems PLAFUMID (Plant, Fungal, and Microbial Developmental Mechanisms) pre-proposal grant review panel
2011: Provided example course materials to the American Society of Plant Biologists for a teaching workshop at Plant Biology 2011.
2010, 2011, 2014, 2024: Reviewed grant proposals for the National Science Foundation Divisions of Integrative Organismal Systems and Molecular and Cellular Biosciences.
2007: Contributed annotation of *Arabidopsis* and rice *BTB* superfamilies to PlantsUBQ database (http://plantsubq.genomics.purdue.edu).
2007: Provided annotation of the rice *BTB* gene superfamily to the Rice Genome Annotation Project. Gene models incorporated into release #6 and #7 of the rice genome annotation.
2006-present: Ad hoc reviewer for the journals *Plant Physiology*, *Plant Cell*, *Current Genomics, New Phytologist, Journal of the Torrey Botanical Society, the American Journal of Undergraduate Research, Frontiers in Plant Science - Plant Physiology*, *PeerJ*, *Frontiers in Physiology*, *Plant Cell Reports,* and the *Journal of Experimental Botany.*

University/Departmental:
2019-present: Biology Department representative on the committee that designed the UWEC Science and Health Sciences Building.
2019-present: Member of the committee that developed and is implementing the UWEC Bioinformatics major.
2019: Chaired committee that revised the Biology Department Honors requirements.
2019: Member of the Biology Department strategic planning committee.
2018-present: Member of the Biology Department scholarship committee.
2018: Member of committee that reviewed and updated the Microbiology Comprehensive Major.
2017-2019: Member of University of Wisconsin- Eau Claire Chancellor's Cabinet.
2017: Served on UWEC Biology Department molecular biologist search committee.
2017: Obtained a UWEC Laboratory Modernization Grant to purchase gel documentation systems for the Biology Department. Total award of $24,700.
2016-2017: Chair of UWEC Biology Department microbiologist/neurobiologist search committee.
2014-2015: Faculty advisor to the Molecular & Cell Biology Journal Club.

2013-2015: Member of UWEC University Senate (Biology Department representative).
2013: Served on university committee to revise review standards and procedures for research grant applications through the UWEC Office of Research and Sponsored Programs.
2013: Obtained a UWEC Laboratory Modernization Grant to replace the Biology Department's computer cart. Total award of $20,686.
2012-2013: Served on UWEC Biology Department committee that revised the UWEC biology curriculum.
2011: Served on UWEC Biology Department cell/molecular neurobiologist search committee
2007-2013: Faculty advisor to the UWEC Biology Club.
2008: Obtained a UWEC Laboratory Modernization Grant to replace the Biology Department's computer cart. Total award of $32,725.
2007: Served on UWEC Biology Department plant physiologist search committee.

Community:
2023: Panelist for "Beyond Conflict & Independence: When Faith and Science Meet". Held at Peace Church, Eau Claire, WI. A transcript of my presentation was published in the Eau Claire, WI Lake St. United Methodist Church May 11th, 2023 Lake St. Connections Newsletter and the Wolcott, NY First Presbyterian Church June 2023 Newsletter.
2019: Gave, with Drs. Jamie Lyman-Gingerich and Julie Anderson, a public presentation about direct-to-consumer genetic testing at the Eau Claire "Ask A Scientist" lecture series.
2019: Participated, along with Dr. Jamie Lyman-Gingerich, in a radio interview with the local WPR station. The topic was direct-to-consumer genetic testing.
2019: Gave, with Dr. Matthew Jewell in Materials Science, a presentation on Christian faith and science at the spring Midwest Common Call conference in Madison, WI.
2019: Gave, with Dr. Matthew Jewell in Materials Science, a presentation on Christian faith and science at the University of Wisconsin-Stout.
2016: Panelist: "Science and Spirituality" discussion at the Unitarian Universalist Congregation church, Eau Claire, WI
2011: Presented a public lecture on evolution and Christian faith at the Wolcott Presbyterian Church, Wolcott, NY

Equity, Diversity, and Inclusivity

2023-present: Tutor for Power of Perception, a mentoring program for African-American and biracial middle school and high school students.
2021-present: Have mentored in research one Ronald R. McNair Scholar and one student supported by the Wisconsin Louis Stokes Alliance for Minority Participation program.
2021: Participated in a PUI faculty development workshop on inclusivity in research and mentoring at Plant Biology 2021, the national meeting of the American Society of Plant Biologists. Lead a breakout discussion on using course-embedded research to facilitate inclusivity.
2019-present: Have participated in 16 University of Wisconsin Eau-Claire Tier II EDI workshops.
2007-present: Have counseled several students struggling with issues related to science and religious faith.

Advising

- Typical number of advisees is 30-50/year