CURRICULUM VITA

Michael M. Neff
ORCID ID: 0000-0003-2170-5555
Professor (25% teaching)/Scientist (75% research)
Department of Crop and Soil Sciences, P.O. Box 646420
Washington State University, Pullman, WA 99164-6420
Phone: (509) 335-7705, Fax: (509) 335-8674, E-mail: mmneff@wsu.edu

EDUCATION:

JAN. 1990-APRIL 1995:	Ph.D. Degree. Department of Botany, University of Washington, Seattle, WA. Dissertation Advisor: Dr. E. Van Volkenburgh. Dissertation: Physiological and Genetic Analysis of Cotyledon Expansion in *Arabidopsis thaliana*.
SEPT. 1986-JULY 1988:	B.S. Degree. Department of Botany, University of Washington, Seattle WA
SEPT. 1981-JULY 1984:	Biology Major. Colorado College, Colorado Springs, CO

PROFESSIONAL POSITIONS/TITLES:

MAR. 2026-PRESENT	American Association for the Advancement of Science (AAAS) 2025 Elected Fellow
NOV. 2025-PRESENT	Washington Turfgrass Seed Commission Endowed Professor, Washington State University, Pullman WA
JAN. 2024-PRESENT	Assistant Chair, Department of Crop and Soil Sciences, Washington State University, Pullman WA
AUG. 2024- PRESENT	Professor of Crop Biotechnology, Grass and Turf Science, Department of Crop and Soil Sciences; Member of Molecular Plant Sciences Graduate Program; Member of the Center for Integrated Biotechnology, Washington State University, Pullman WA
AUG. 2023 - PRESENT	Faculty Leader, WSU Turf Management Major, Washington State University, Pullman WA
AUG. 2019 - PRESENT	Project Leader, WSU Grass Breeding and Ecology Farm, Washington State University, Pullman WA
DEC. 2017- PRESENT	Scientific Advisor, Grow More Foundation, Stony Brook NY
AUG. 2015 - PRESENT	Professor of Crop Biotechnology, Department of Crop and Soil Sciences; Member of Molecular Plant Sciences Graduate Program; Member of the Center for Integrated Biotechnology, Washington State University, Pullman WA
JULY 2013 - PRESENT	Member of the Graduate School's Graduate Mentor Academy, Washington State University, Pullman WA
DEC. 2009 - AUGUST 2023	Director, Molecular Plant Sciences Graduate Program, Washington State University, Pullman WA
AUG. 2017- JULY 2023	Member of the Faculty Senate Constituency I, Sub-Constituency "B", Washington State University, Pullman WA

JUNE 2011- MAY 2021	Assistant Chair, Department of Crop and Soil Sciences, Washington State University, Pullman WA
AUG. 2009 - JULY 2015	Associate Professor of Crop Biotechnology, Department of Crop and Soil Sciences; Member of Molecular Plant Sciences Graduate Program; Member of the Center for Integrated Biotechnology, Washington State University, Pullman WA
JULY 2007- JULY 2009	Assistant Professor of Crop Biotechnology, Department of Crop and Soil Sciences; Member of Molecular Plant Sciences Graduate Program; Member of the Center for Integrated Biotechnology, Washington State University, Pullman WA
SEPT. 1999 - JUNE 2007	Assistant Professor, Department of Biology, Washington University, St. Louis MO
MAY 1995 - SEPT. 1999:	Postdoctoral Fellow, Advisor: Dr. Joanne Chory, The Salk Institute for Biological Studies, La Jolla CA
JAN. 1990 - APRIL 1995:	Teaching Assistant, Department of Botany, University of Washington, Seattle WA: Plant Physiology (X3), Phycology (X2), Biology 221 (Molecular Biology and Genetics).
DEC. 1988 - DEC. 1989:	Lab Technician, PI: Dr. Trisha Davis, Department of Biochemistry, University of Washington, Seattle WA
SEPT 1984 - MAY 1986:	Lab Clerk and Lab Helper, PI: Dr. Lawrence Corey, Department of Virology, Children's Hospital and University of Washington, Seattle WA

RESEARCH ACTIVITIES:

FIELD OF RESEARCH

- Grass Breeding, Genetics and Ecology
- Molecular genetic analysis of light- and hormone-mediated development in plants
- Gene/trait discovery for modifying stature in plants
- Gene/trait discovery and translational applications for modifying seedling development and stand establishment in crop plants

CURRENT RESEARCH TOPICS

- Breeding Kentucky bluegrass for yield and low vernalization requirements, faster germination and stand establishment, rust tolerance, and adaptability to use west of the Cascade Mts.
- Breeding tall fescue for yield, rhizome formation, turf quality, drought and salt tolerance
- Breeding native grasses for turf, land reclamation, and ornamental uses
- Breeding Bermuda grass for cold tolerance, early green-up, and turf blends with Kentucky bluegrass
- Breeding teff for food, fuel, forage, ornamental and nursery turf traits
- Breeding timothy for high yielding, high quality hay production suitable for the export market
- Fine fescue National Turf Evaluation Program turf trials
- Evaluation of hormone-based plant growth regulators for turf resiliency and turf recovery
- High-wear turf trials with the goal of replacing artificial turf with real turf
- Brassinosteroid-hormone inactivation and its role in plant development
- DNA-binding proteins and their involvement in plant development

- Transformation and gene discovery approaches to increase stand establishment and yield in wheat and the oilseed crops canola and *Camelina sativa*

PEER REVIEWED PUBLICATIONS [54 total]
(Senior/Corresponding Author indicated by an "*")
[Note: Neff MM Google Scholar *h*-index = 32‡; i10-index = 46‡; Neff MM Google Scholar total citations = 8291‡]

Neff MM contribution definitions:
1) Developed the initial idea
2) Obtained or provided funds/resources
3) Collected data
4) Analyzed data
5) Wrote/created product
6) Edited product

- Ortiz-Eriamiatoe J, Xin X, Hadish JA and **Neff MM* (In press, accepted 2025)** Genome-Wide Evolutionary Characterization and Expression Analysis of the *AT-HOOK MOTIF CONTAINING NUCLEAR LOCALIZED* Gene Family in *Brachypodium distachyon* **G3: Genes, Genomes, Genetics [Journal impact factor = 2.2‡] (contribution: 1, 2, 4, 5, 6)**

- Peng H*, Zhai Y, **Neff MM (2025)** The NAC transcription factor ATAF2 enhances Arabidopsis biomass and chlorophyll a accumulations at the early growth stage **BMC Research Notes 18:388 [Journal impact factor = 1.7‡‡; Cited 1 time‡] (contribution: 4, 5, 6)**

- Ahmed S, Hulbert AK, Xin X, **Neff MM* (2025)** *AHL26,* an AT-hook gene, negatively regulates hypocotyl growth and flowering time in *Arabidopsis thaliana* **BMC Plant Biology 25 730 https://doi.org/10.1186/s12870-025-06764-8 [Journal impact factor = 4.8‡‡; Cited 2 times‡] (contribution: 1, 2, 4, 5, 6)**

- Xin X, Schnore JE, Golob C, Hulbert AK and **Neff MM* (2025, published online 2024)** Registration of 'Matchless' Kentucky Bluegrass. **Journal of Plant Registrations 19 1 e20398 DOI: 1002/plr2.20398 [Journal impact factor = 0.7‡] (contribution: 1, 2, 4, 5, 6)**

- Ahmed S, Hulbert AK, Xin X and **Neff MM* (2024)** The ability of Arabidopsis to recover from Basta and its application in isolating Cas9-free mutants. **Frontiers in Plant Science 15, 1408230 DOI: 10.3389/fpls.2024.1408230 [Journal impact factor = 4.8‡; Cited 3 times‡] (contribution: 1, 2, 4, 5, 6)**

- Tayengwa R, Westenskow SR, Peng H, Hulbert AK and **Neff MM* (2024, published online 2023)** Genetic interactions between BEN1- and Cytochrome P450-mediated brassinosteroid inactivation. **Physiologia Plantarum 176 e14141 DOI: 10.1111/ppl.14141 [Journal impact factor = 3.6‡; Cited 5 times‡] (contribution: 1, 2, 4, 5, 6)**

- Jacques CN, Favero DS, Kawamura A, Suzuki T, Sugimoto K and **Neff MM* (2022)** SUPPRESSOR OF PHYTOCHROME B4#3 reduces the expression of PIF-activated genes and increases expression of growth repressors to regulate hypocotyl elongation in short days. **BMC Plant Biology** 22 399 **[Journal impact factor = 4.8‡‡; Cited 5 times‡] (contribution: 1, 2, 4, 5, 6)**

- Peng H, Phung J, Stowe E, Dhingra A and **Neff MM* (2022)** The NAC transcription factor ATAF2 promotes ethylene biosynthesis and response in *Arabidopsis thaliana* seedlings **FEBS Letters** 596, 1586-1599 **[Journal impact factor = 3‡; Cited 12 times‡] (contribution: 1, 2, 4, 5, 6)**

- Matzke CM, Hasan JH, Henning PM, Dougherty K, Shore JS, **Neff MM** and McCubbin AG* **(2021)** Pistil mating type and morphology are mediated by the brassinosteroid inactivating activity of the *S*-locus gene *BAHD* in heterostylous *Turnera* species. **International Journal of Molecular Sciences** 22 (19) 10603 **[Journal impact factor = 4.9‡; Cited 38 times‡] (contribution: 4, 5, 6)**
- Peng H and **Neff MM* (2021)** Two ATAF transcription factors ANAC102 and ATAF1 contribute to the suppression of cytochrome P450-mediated brassinosteroid catabolism in Arabidopsis. **Physiologia Plantarum** 172, 1493-1505 **[Journal impact factor = 3.6‡; Cited 24 times‡] (contribution: 1, 2, 4, 5, 6)**
- Matzke CM, Shore JS, **Neff MM** and McCubbin AG* **(2020)** The *Turnera* style *S*-locus gene *TsBAHD* possesses brassinosteroid inactivating activity when expressed in *Arabidopsis thaliana*. **Plants** 9 (11), 1566 **[Journal impact factor = 4.1‡; Cited 32 times‡] (contribution: 4, 5, 6)**
- Tayengwa R, Koirala PS, Pierce CF, Werner BE and **Neff MM* (2020)** Overexpression of *AtAHL20* delays flowering in Arabidopsis via repression of *FT* expression. **BMC Plant Biology** 20:559 **[Journal impact factor = 4.8‡; Cited 36 times‡] (contribution: 1, 2, 4, 5, 6)**
- Peng H, Phung J, Zhai Y and **Neff MM* (2020)** Self-transcriptional repression of the Arabidopsis NAC transcription factor ATAF2 and its genetic interaction with phytochrome A in modulating seedling photomorphogenesis. **Planta** 252:48 **[Journal impact factor = 3.8‡; Cited 23 times‡] (contribution: 1, 2, 4, 5, 6)**
- Koirala PS and **Neff MM* (2020)** Improving seed size and seedling emergence in transgenic *Camelina sativa* by overexpressing the *Atsob3-6* gene variant. **Transgenic Research** 29 (4), 409-418 **[Journal impact factor = 2.0‡; Cited 14 times‡] (contribution: 1, 2, 4, 5, 6)**
- Zhai Y, Peng H, **Neff MM** and Pappu HR* **(2020)** Emerging molecular links between plant photomorphogenesis and virus resistance. **Frontiers in Plant Science** 11:920 **[Journal impact factor = 4.8‡; Cited 11 times‡] (contribution: 1, 2, 5, 6)**
- Jacques CN, Hulbert A, Westenskow S and **Neff MM* (2020)** Production location of the gelling agent, Phytagel, has a significant impact on *Arabidopsis thaliana* seedling phenotypic analysis **PLoS ONE** 15(5): e0228515 **[Journal impact factor = 2.6‡; Cited 18 times‡] (contribution: 1, 2, 4, 5, 6)**
- Favero DS*, Kawamura A, Shibata M, Takebayashi A, Jung J-H, Suzuki T, Jaeger KE, Ishida T, Iwase A, Wigge PA, **Neff MM** and Sugimoto K **(2020)** AT-hook transcription factors repress petiole growth by antagonizing PIFs **Current Biology** 30, 1454-1466 **[Journal impact factor = 7.5‡; Cited 71 times‡] (contribution: 4, 5, 6)**
- Peng H and **Neff MM* (2020)** CIRCADIAN CLOCK ASSOCIATED 1 and ATAF2 differentially suppress cytochrome P450-mediated brassinosteroid inactivation **Journal of Experimental Botany** 71 (3); 970-985 **[Journal impact factor = 5.7‡; Cited 32 times‡] (contribution: 1, 2, 4, 5, 6)**
- Roy A, Zhai Y, Ortiz J, **Neff MM**, Mandal B, Mukherjee SK and Pappu HR* **(2019)** Multiplexed editing of a begomovirus genome restricts escape mutant formation and disease development **PLoS ONE** 14: (10): e0223765 **[Journal impact factor = 2.6‡; Cited 95 times‡] (contribution: 4, 5, 6)**
- Zhai Y, Peng H, **Neff MM** and Pappu HR* **(2019)** Putative auxin and light responsive promoter elements from the *Tomato spotted wilt tospovirus* genome, when expressed as cDNA, are functional in *Arabidopsis* **Frontiers in Plant Science** 10; 804 doi: 10.3389/fpls.2019.00804 **[Journal impact factor = 4.8‡; Cited 11 times‡] (contribution: 4, 5, 6)**

- Tayengwa R, Zhao J, Peirce CF, Werner BE and **Neff MM* (2018)** Synopsis of the plant-specific *SOB-FIVE-LIKE (SOFL)* gene family **G3: Genes, Genomes, Genetics** 8; 1281-1290; doi: 10.1534/g3.118.200040 **[Journal impact factor = 2.2‡; Cited 4 times‡] (contribution: 1, 2, 4, 5, 6)**
- Favero DS, Le KN and **Neff MM* (2017)** Brassinosteroid signaling converges with SUPPRESSOR OF PHYTOCHROME B4-#3 to influence the expression of *SMALL AUXIN UP RNA* genes and hypocotyl growth. **Plant Journal** 89; 1133-1145; doi: 10.1111/tpj.13451 **[Journal impact factor = 5.7‡; Cited 60 times‡] (contribution: 1, 2, 4, 5, 6)**
- Favero DS, Jacques C, Iwase A, Le KN, Zhao J, Sugimoto K and **Neff MM* (2016)** SUPPRESSOR OF PHYTOCHROME B4-#3 represses genes associated with auxin signaling to modulate hypocotyl growth in *Arabidopsis thaliana*. **Plant Physiology** 171: 2701-2716; doi: 10.1104/pp.16.00405 **[Journal impact factor = 6.9‡; Cited 40 times‡] (contribution: 1, 2, 4, 5, 6)**
- Peng H, Zhao J and **Neff MM* (2015)** ATAF2 integrates Arabidopsis brassinosteroid inactivation and seedling photomorphogenesis. **Development** 142: 4129-4138; doi: 10.1242/dev.124347 **[Journal impact factor = 3.6‡; Cited 67 times‡] (contribution: 1, 2, 4, 5, 6)**
- Bell JL, Burke IC* and **Neff MM (2015)** Genetic and biochemical evaluation of natural rubber from eastern Washington prickly lettuce (*Lactuca serriola* L.) **Journal of Agricultural and Food Chemistry** 63 593-602 doi**:** 10.1021/jf503934v **[Journal impact factor = 6.2‡; Cited 29 times‡] (contribution: 4, 5, 6)**
- Zhao J*, Favero D, Roalson E, Qiu J and **Neff MM (2014)** Insights into the evolution and diversification of the *AT-hook motif containing nuclear localized* gene family in land plants. **BMC Plant Biology** 14:266 **[Journal impact factor = 4.8‡; Cited 106 times‡] (contribution: 1, 2, 4, 5, 6)**
- Zhao J, Favero D, Peng H and **Neff MM* (2013)** The *Arabidopsis thaliana* AHL family modulates hypocotyl growth redundantly by interacting with each other via the PPC/DUF296 domain. **Proceedings of the National Academy of Sciences USA** 110:48 E4688-E4697 doi: 10.1073/pnas.1219277110 **[Journal impact factor = 9.1‡; Cited 160 times‡] (contribution: 1, 2, 4, 5, 6)**
- Sandhu KS and **Neff MM* (2013)** The *Arabidopsis* gene *ATST4a* is not a typical brassinosteroid inactivating gene. **Plant Signaling and Behavior** 8:10, e26847 doi: 10.4161/psb.26847 **[Journal impact factor = 3.6‡; Cited 8 times‡] (contribution: 1, 2, 4, 5, 6)**
- Sandhu KS, Koirala PS and **Neff MM* (2013)** The *ben1-1* brassinosteroid-catabolism mutation is unstable due to epigenetic modifications of the intronic T-DNA insertion. **G3: Genes, Genomes, Genetics** 3 1587-1595 doi: 10.1534/g3.113.006353 **[Journal impact factor = 2.2‡; Cited 25 times‡] (contribution: 1, 2, 4, 5, 6)**
- Bell EM, Lin W-C, Husbands A, Yu L, Jaganatha V, Jablonska B, Mangeon M, **Neff MM**, Girke T, and Springer PS* **(2012)** Arabidopsis LATERAL ORGAN BOUNDARIES negatively regulates brassinosteroid accumulation to limit growth in organ boundaries. **Proceedings of the National Academy of Sciences USA** 109 21146-21151 doi: 10.1073/pnas.1210789109 **[Journal impact factor = 9.1‡; Cited 238 times‡] (contribution: 2, 4, 6)**
- Sandhu KS, Hagely K, and **Neff MM* (2012)** Genetic interactions between brassinosteroid-inactivating P450s and photomorphogenic photoreceptors in *Arabidopsis thaliana*. **G3: Genes, Genomes, Genetics** 2 1585-1593 doi: 10.1534/g3.112.004580 **[Journal impact factor = 2.2‡; Cited 35 times‡] (contribution: 1, 2, 3, 4, 5, 6)**

- Thornton LE*, Peng H and **Neff MM (2011)** Rice CYP734A cytochrome P450s inactivate brassinosteroids in Arabidopsis **Planta** 234 (6) 1151-1162 **[Journal impact factor = 3.8‡; Cited 39 times‡] (contribution: 1, 2, 4, 5, 6)**
- Thornton LE*, Rupasinghe SG, Peng H, Schuler MA and **Neff MM (2010)** Arabidopsis CYP72C1 is an atypical cytochrome P450 that inactivates brassinosteroids **Plant Molecular Biology** 74 (1-2) 167-181 **[Journal impact factor = 3.8‡; Cited 63 times‡] (contribution: 1, 2, 4, 5, 6)**
- Zhang J, Vankova R, Malbeck J, Dobrev PI, Xu Y, Chong K and **Neff MM* (2009)** AtSOFL1 and AtSOFL2 act redundantly as positive modulators of the endogenous content of specific cytokinins in Arabidopsis. **PLoS ONE** 4 (12) e8236 11 pages **[Journal impact factor = 2.6‡; Cited 21 times‡] (contribution: 1, 2, 4, 5, 6)**
- **Neff MM*,** Sanderson L and Tedor D **(2009)** Light-mediated germination in lettuce seeds: Resurrection of a classic plant physiology lab exercise. **The American Biology Teacher** 71 367-370 **[Journal impact factor = 0.3‡; Cited 22 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- Borevitz J and **Neff MM (2008)** Phenotypic analysis of Arabidopsis mutants: Hypocotyl Length. **Cold Spring Harbor Protocols** 3 (3) doi:10.1101/pdb.prot4962 **[Cited 3 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- Chen H, Zhang J, **Neff MM**, Hong S-W, Deng XW and Xiong L* **(2008)** Integration of light and abscisic acid signaling during seed germination and early seedling development. **Proceedings of the National Academy of Sciences USA** 105 4495-4500 **[Journal impact factor = 9.1‡; Cited 330 times‡] (contribution: 2, 4, 6)**
- Street IH, Shah PK, Smith AM, Avery N, and **Neff MM* (2008)** The AT-Hook Containing Proteins SOB3/AHL29 and ESC/AHL27 are Negative Modulators of Hypocotyl Growth in *Arabidopsis*. **Plant Journal** 54 1-14 **[Journal impact factor = 5.7‡; Cited 126 times‡] (contribution: 1, 2, 4, 5, 6)**
- Nemri A, **Neff MM**, Burrell M, Jones JDG and Studholme DJ* **(2007)** Marker development for the genetic study of natural variation in *Arabidopsis thaliana.* **Bioinformatics** 23 3108-3109 **[Journal impact factor = 5.4‡; Cited 7 times‡] (contribution: 2, 4, 6)**
- Zhang J, Wrage EL, Vankova R, Malbeck J, and **Neff MM* (2006)** Overexpression of *SOB5* suggests the involvement of a novel plant protein in cytokinin-mediated development. **Plant Journal** 46 834-848 **[Journal impact factor = 5.7‡; Cited 13 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- Ward JM, Smith AM, Shah PK, Gallanti SE, Yi H, Demianski AJ, van der Graaff E, Keller B and **Neff MM* (2006)** A New Role for the AP2 Transcription Factor, LEP, in Gibberellin-Induced Germination is Revealed by the Mis-Expression of a Homologous Gene, *SOB2/DRN-like.* **Plant Cell** 18 29-39 **[Journal impact factor = 11.6‡; Cited 67 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- Turk EM, Fujioka S, Seto H, Shimada Y, Takatsuto S, Yoshida S, Wang H, Torres QI, Ward JM, Murthy G, Zhang J, Walker JC and **Neff MM* (2005)** *BAS1* and *SOB7* Act Redundantly to Modulate *Arabidopsis* Photomorphogenesis via Unique Brassinosteroid Inactivation Mechanisms. **Plant Journal** 42 23-34 **[Journal impact factor = 5.7‡; Cited 216 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- Ward JM, Cufr CA, Denzel MA and **Neff MM* (2005)** The Dof transcription factor, OBP3, modulates phytochrome and cryptochrome signaling in Arabidopsis. **Plant Cell** 17 475-485 **[Journal impact factor = 11.6‡; Cited 239 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- Turk EM, Fujioka S, Seto H, Shimada Y, Takatsuto S, Yoshida S, Denzel MA, Torres QI and **Neff MM* (2003)** CYP72B1 Inactivates Brassinosteroid Hormones: An Intersection Between

Photomorphogenesis and Plant Steroid Signal Transduction. **Plant Physiology,** 133 1643-1653 **[Journal impact factor = 6.9‡; Cited 219 times‡] (contribution: 1, 2, 4, 5, 6)**

- **Neff MM***, Turk E and Kalishman M **(2002)** Web-based Primer Design for Single Nucleotide Polymorphism Analysis. **Trends in Genetics**, 18 613-615 **[Journal impact factor = 16.3‡; Cited 715 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- Weigel D*, Ahn JH, Blázquez MA, Borevitz J, Christensen SK, Fankhauser C, Ferrándiz C, Kardailsky I, Malancharuvil EJ, **Neff MM**, Nguyen JT, Sato S, Wang Z, Xia Y, Dixon RA, Harrison MJ, Lamb CJ, Yanofsky MF and Chory J **(2000)** Activation tagging in Arabidopsis. **Plant Physiology**, 122 1003-1013 **[Journal impact factor = 6.9‡; Cited 1286 times‡] (contribution: 2, 3, 4, 5, 6)**
- **Neff MM**, Fankhauser C and Chory J* **(2000)** Light: An indicator of time and place. **Genes and Development**, 14 257-271 **[Journal impact factor = 7.7‡; Cited 713 times‡ as well as in the textbook "Plant Physiology 4th and 5th Editions" by Taiz and Zeiger] (contribution: 1, 5, 6)**
- **Neff MM**, Nguyen SM, Malancharuvil EJ, Fujioka S, Noguchi T, Seto H, Tsubuki M, Honda T, Takatsuto S, Yoshida S and Chory J* **(1999)** *BAS1*: A gene regulating brassinosteroid levels and light responsiveness in Arabidopsis. **Proceedings of the National Academy of Sciences USA** 96 15316-15323 **[Journal impact factor = 9.1‡; Cited 483 times‡ as well as in the textbook "Plant Physiology 4th and 5th Editions" by Taiz and Zeiger] (contribution: 1, 2, 3, 4, 5, 6)**
- **Neff MM** and Chory J* **(1998)** Genetic interactions between phytochrome A, phytochrome B and cryptochrome 1 during *Arabidopsis* development. **Plant Physiology**, 118 27-36 **[Journal impact factor = 6.9‡; Cited 655 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- **Neff MM***, Neff JD, Chory J and Pepper AE **(1998)** dCAPS, a simple technique for the genetic analysis of single nucleotide polymorphisms: experimental applications in *Arabidopsis thaliana* genetics. **Plant Journal**, 14 387-392 **[Journal impact factor = 5.7‡; Cited 950 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- Chory J*, Chatterjee M, Cook RK, Elich T, Fankhauser C, Li J, Nagpal P, **Neff MM**, Pepper A, Poole D, Reed J and Vitart V **(1996)** From seed germination to flowering, light controls plant development via the pigment phytochrome. **Proceedings of the National Academy of Sciences USA** 93 12066-12071 **[Journal impact factor = 9.1‡; Cited 318 times‡] (contribution: 1, 5, 6)**
- Blum DE, **Neff MM** and Van Volkenburgh E* **(1994)** Light-stimulated cotyledon expansion in the *blu3* and *hy4* mutants of *Arabidopsis thaliana.* **Plant Physiology** 105: 1433-1436 **[Journal impact factor = 6.9‡; Cited 34 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- **Neff MM** and Van Volkenburgh E* **(1994)** Light-stimulated cotyledon expansion in *Arabidopsis* seedlings: The role of phytochrome B. **Plant Physiology** 104: 1027-1032 **[Journal impact factor = 6.9‡; Cited 95 times‡] (contribution: 1, 2, 3, 4, 5, 6)**
- Geiser JR, van Tuinen D, Brockerhoff SE, **Neff MM** and Davis TN* **(1991)** Can calmodulin function without binding calcium? **Cell** 65: 949-959 **[Journal impact factor = 42.5‡; Cited 375 times‡] (contribution: 2, 3, 4, 6)**

PREVIEW ARTICLES AND INVITED BOOK CHAPTERS

(Senior/Corresponding Author indicated by an "*")

- **Neff MM* (2012)** Light-mediated seed germination: Connecting phytochrome B to gibberellic acid. **Developmental Cell** 22: 687-688 **[Journal impact factor = 8.7‡; Cited 37 times‡] (contribution: 4, 5, 6)**

- **Neff MM***, Street IH, Turk EM, Ward JM **(2006)** Chapter 21: Interaction of light and hormone signaling to mediate photomorphogenesis *In* E. Schäfer, F. Nagy, eds, **Photomorphogenesis in Plants and Bacteria 3rd Ed., 439-473**. Springer, Netherlands **[Cited 27 times‡] (contribution: 4, 5, 6)**

[‡Note: Journal impact factors for 2024. Citations, *h*-index and i10-index based on Google Scholar data on 1/25/2026. *h*-index is a metric that discounts the disproportionate weight of highly cited papers or papers that have not yet been cited. The *h*-index states that *h* publications have at least *h* citations. For example, an *h*-index of 32 means that there are 32 publications that have been cited 32 or more times. i10-index states the number of articles cited at least 10 times.]

PUBLICATIONS IN REVIEW OR REVISION
(Senior/Corresponding Author indicated by an "*")

- Xin X, Schnore JE, Hulbert AK, Ahmed S and **Neff MM* (in revision for Crop Science)** Gibberellic acid application enhances seed yield, biomass, and plant growth in Kentucky bluegrass production **(contribution: 1, 2, 4, 5, 6)**

GRANT SUPPORT: Total- Current and Past to the Neff Lab: $6,715,808 ($4,696,308 at WSU)
Neff MM contribution definitions:
1) Provided initial idea
2) Developed research design and hypothesis
3) Authorship of grant application
4) Developed and/or managed budget
5) Managed personnel and project activities

CURRENT GRANT SUPPORT

Northwest Turfgrass Association
Principal Investigator- Neff MM (1,2,3,4,5)
"Evaluation of the Application of Gibberellic Acid for Kentucky Bluegrass and Creeping Bentgrass Turf Restoration and Greenup"
8/1/25-7/31/28 **$30,000/three years (total costs)**

Northwest Turfgrass Association
Principal Investigator- Neff MM (1,2,3,4,5)
"Evaluation and Breeding of Tall Fescue for Rhizome Formation, Salt Tolerance, and Turf Quality"
8/1/25-7/31/28 **$30,000/three years (total costs)**

Grass Breeding and Ecology Farm Advisory Board
Principal Investigator- Neff MM (1,2,3,4,5)
"Management of the WSU Grass Breeding and Ecology Farm"
1/1/21- present **$720,000+ (total costs)**

National Turf Evaluation Program (NTEP)
Principal Investigator- Neff MM (1,2,3,4,5)
"NTEP Trial for Fine Fescues"
2/10/21 – 2/09/2026 **$6,000/6 years (total costs)**

Washington Turfgrass Seed Commission

Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Characterization of vernalization genes and flowering in Kentucky Bluegrass"
7/1/2023– 6/30/2026 **$85,000/3 years (total direct costs)**

PAST GRANT SUPPORT

Washington State Legislature
Principle Investigator- Neff MM (1,2,3,4,5) Co-PI Kate Kraszewska (1,2,3,4,5)
"High Wear Turf Trials in Washington State to Replacing Artificial Turf with Real Turf"
7/1/23-6/30/25 **$695,000/two years (total costs)**

White Pine Chapter of the Idaho Native Plant Society (1,2,3,4,5)
"Seed increase of the native Tufted Hairgrass (*Deschampsia cespitosa*) and Prairie Junegrass (*Koeleria macrantha*) for Palouse Prairie restoration."
6/15/23-5/14/25 **$1000 (total costs)**

Northwest Turfgrass Association
Principal Investigator- Neff MM (1,2,3,4,5)
"Evaluation of the Application of Gibberellic Acid for Kentucky Bluegrass and Creeping Bentgrass Turf Restoration and Greenup"
8/1/22-7/31/25 **$35,000/three years (total costs)**

US Golf Association (USGA)
Principal Investigator- Neff MM (1,2,3,4,5)
"Evaluation and Breeding of Kentucky Bluegrass and Western Wheatgrass for Rapid Seed Germination, Salt Tolerance and Turf Quality"
1/1/22-12/31/24 **$83,202/three years (total costs)**

City of Tacoma Stormwater Action Monitoring Group
Principal Investigator- Jayakaran A, Co-Principal Investigators- Neff MM and Ahern D
"Ditch retrofits for improved stormwater management"
4/1/21 – 6/30/2023 **$481,454/3 years (total costs) $124,354 (to the Neff Lab)**

Otto and Doris Amen Dryland Research Endowment Fund
Principal Investigator- Neff MM (1,2,3,4,5)
"Developing agronomic practices and identification of winter tolerant *Brassica napus* lines for dry land areas"
1/1/21 – 12/31/2023 **$15,000/3 years (total costs)**

Washington Turfgrass Seed Commission
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Characterization of vernalization genes and flowering in Kentucky Bluegrass"
7/1/2020 – 6/30/2023 **$88,787/3 years (total direct costs)**

Orlin Reinbold
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)

"Grass Seed Ecology Farm Fund"
12/31/2019 **$100,000 (total costs)**

Washington State Department of Agriculture Biofuel Cropping Systems Project
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Stand Establishment and Winter Survival in Canola"
7/1/2019 – 6/30/2021 **$80,000/2 year (total direct costs)**

Brubbaken and Reinbold, Inc.
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Brubbaken and Reinbold Monocot Breeding Fund"
11/15/13 – 11/14/2021 **$500,000/5+ years (total direct costs)**

The National Science Foundation (NSF)
1656265 Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"The ATAF2 Transcription Factor, Brassinosteroid Catabolism and Plant Development"
6/1/2017 – 5/31/2020 **$465,956/3 years (total costs)**

Washington Turfgrass Seed Commission
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Characterization of vernalization genes and flowering in Kentucky Bluegrass"
7/1/2017 – 6/30/2020 **$89,022/3 years (total direct costs)**

Washington State Department of Agriculture Biofuel Cropping Systems Project
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Hypocotyl Length in Camelina and Canola via Manipulation of the AHL Gene Family"
7/1/2018 – 6/30/2019 **$25,000/1 year (total direct costs)**

Washington State Department of Agriculture Biofuel Cropping Systems Project
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Hypocotyl Length in Camelina and Canola via Manipulation of the AHL Gene Family"
7/1/2017 – 6/30/2018 **$23,000/1 year (total direct costs)**

United States Department of Agriculture-National Institute for Food and Agriculture (USDA-NIFA)
Area: Agriculture and Food Research Initiative (AFRI)
Program: Plant Health and Production and Plant Products: Biology of Agricultural Plants
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Increasing Seed Size and Plant Biomass via Manipulation of the AHL Gene Family"
12/1/13 – 11/30/2017 **$498,000/3 years (total costs)** +one-year no-cost extension

Washington State Department of Agriculture Biofuel Cropping Systems Project
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Hypocotyl Length in Camelina and Canola via Manipulation of the AHL Gene Family"
7/1/2016 – 6/30/2017 **$23,000/1 year (total direct costs)**

Orville A. Vogel Wheat Research Fund
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"AHL Genes and Their Role in Modulating Coleoptile Length in Wheat"
1/1/2013 – 6/30/2016 **$75,000/3 years (total direct costs)**

Washington State Department of Agriculture Biofuel Cropping Systems Project
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Hypocotyl Length in Camelina and Canola via Manipulation of the AHL Gene Family"
7/1/2015 – 6/30/2016 **$23,000/1 year (total direct costs)**

The National Science Foundation (NSF)
1124749 **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"The Role of Brassinosteroid Inactivation in Plant Development"
1/1/2012 – 12/31/2015 **$350,000/3 years (total costs)** +one-year no-cost extension

Washington State Department of Agriculture Biofuel Cropping Systems Project
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Hypocotyl Length in Camelina and Canola via Manipulation of the AHL Gene Family"
7/1/2014 – 6/30/2015 **$9,500/1 year (total direct costs)**

Washington Grain Commission
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Coleoptile Length in Wheat via Manipulation of the AHL Gene Family"
7/1/2013 – 6/30/2014 **$42,000/1 year (total direct costs)**

Washington State Department of Agriculture Biofuel Cropping Systems Project
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Hypocotyl Length in Camelina and Canola via Manipulation of the AHL Gene Family"
7/1/2013 – 6/30/2014 **$10,000/1 year (total direct costs)**

Orville A. Vogel Wheat Research Fund
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Coleoptile Length in Wheat via Manipulation of the AHL Gene Family"
7/1/2010 – 6/30/2013 **$60,000/3 years (total direct costs)**

Washington Grain Commission
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Coleoptile Length in Wheat via Manipulation of the AHL Gene Family"
7/1/2012 – 6/30/2013 **$40,000/1 year (total direct costs)**

Washington State Department of Agriculture Biofuel Cropping Systems Project
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Hypocotyl Length in Camelina and Canola via Manipulation of the AHL Gene Family"

7/1/2012 – 6/30/2013 **$15,000/1 year (total direct costs)**

The Department of Energy (DOE)
DE-PS02-09ER09-02 **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"Biochemical and molecular-genetic analysis of the AT-hook nuclear localizing (AHL) gene family in Arabidopsis"
9/1/2011 – 8/31/2012 **$120,000/1 year (total costs)**

Washington Grain Commission
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Coleoptile Length in Wheat via Manipulation of the AHL Gene Family"
7/1/2011 – 6/30/2012 **$35,000/1 year (total direct costs)**

The Department of Energy (DOE)
DE-PS02-09ER09-02 **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"Biochemical and molecular-genetic analysis of the AT-hook nuclear localizing (AHL) gene family in Arabidopsis"
1/1/2010 – 8/31/2011 **$130,000/1 year (total costs)** +one-year no-cost extension

USDA Special Grant
Principal Investigators – Kahn M; Neff MM (contribution: 1, 2, 3, 4, 5)
"*Aegilops cylindrica* - Biomass for Biofuels and Bioproducts from Weedy Plants"
9/1/2010 – 8/31/2011 **$36,487/2 years (total direct costs)**

Washington State Department of Agriculture Biofuel Cropping Systems Project
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Hypocotyl Length in Camelina and Canola via Manipulation of the AHL Gene Family"
7/1/2010 – 6/30/2011 **$15,000/1 year (total direct costs)**

Washington Grain Commission
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Coleoptile Length in Wheat via Manipulation of the AHL Gene Family"
7/1/2010 – 6/30/2011 **$35,000/1 year (total direct costs)**

Washington State Department of Agriculture Biofuel Cropping Systems Project
Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)
"Modification of Hypocotyl Length in Camelina and Canola via Manipulation of the AHL Gene Family"
7/1/2009 – 6/30/2010 **$10,000/1 year (direct costs)**

The National Science Foundation (NSF)
0758411 **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"The Role of Brassinosteroid Inactivation in Plant Development"
8/1/2006 – 7/31/2010 **$400,000/3 years (total costs)** +one-year no-cost extension

The Department of Energy (DOE)

DE-FG02-08ER15927 **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"Molecular genetic analysis of activation-tagged transcription factors thought to be involved in photomorphogenesis"
9/1/2005 – 12/31/2009 **$360,000/4 years (total costs)**

The Monsanto Corporation
Grant no. 46011J **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"Identification and Cloning of Arabidopsis Activation-tagged Mutations Affecting Adult Stature"
1/1/06 – 12/31/06 **$90,000 /1 year (total costs)**

The Monsanto Corporation
Grant no. 46011J **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"Identification and Cloning of Arabidopsis Activation-tagged Mutations Affecting Adult Stature"
1/1/05 – 12/31/05 **$127,500 /1 year (total costs)**

The Department of Energy (DOE)
Grant no. DE-FG0202ER15340 **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"Molecular genetic characterization of OBP3 and its involvement with photomorphogenesis."
9/1/02 – 8/31/05 **$300,000/3 years (total costs)**

The National Science Foundation Research Experience for Undergraduates Supplements (NSF-REU)
Grant no. 0114726 **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"Functional analysis of the BAS1 gene and its product: CYP72B1"
8/1/01 – 7/31/05 **$30,000 total (5 REU Supplements @ $6000 each)**

The National Science Foundation (NSF)
Grant no. 0114726 **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"Functional analysis of the BAS1 gene and its product: CYP72B1"
8/1/01 – 7/31/05 **$360,000/3 years (total costs)** +one-year no-cost extension

The Monsanto Corporation
Grant no. 46011J **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"Identification and Cloning of Arabidopsis Activation-tagged Mutations Affecting Adult Stature"
1/1/04 – 12/31/04 **$75,000 /1 year (total costs)**

The Monsanto Corporation
Grant no. 46011J **Principal Investigator – Neff MM (contribution: 1, 2, 3, 4, 5)**
"Generation of slow-growing, dark-green, drought-tolerant, dwarf bentgrass (*Agrostis palustris*) via over-expression of the *bas1-D* gene"
1/1/01 – 12/31/03 **$150,000/2 years (total costs)** + one-year no-cost extension

COMPUTER PROGRAMS

- dCAPS Finder 1.0- Macintosh operating system (free, public domain, currently being used by more than 100 labs worldwide)
- dCAPS Finder 2.0- web-based version of dCAPS Finder 1.0 (http://helix.wustl.edu/dcaps/dcaps.html). Free and available in the public domain. Part of a publication in Trends in Genetics, Dec. 2002.

- atPRIMER- web-based primer design program that incorporates a modified version of dCAPS Finder 2.0. Part of a publication in Bioinformatics, Nov. 2007.

PLANT VARIETY PROTECTION (PVP) APPLICATIONS

'Matchless' a common-type Kentucky Bluegrass developed for dryland no-burn production. Filed in 2022.

PVP'S AWARDED

- PV #202200523, Kentucky Bluegrass, 'Matchless' Awarded August 23rd, 2023

PATENTS

- #6,534,313 "Genetically modified plants having modulated brassinosteroid signaling" Inventors: Michael M. Neff and Joanne Chory. Owner: The Salk Institute for Biological Studies. Awarded: 3/18/03.
- #7,265,264 "The gene for a Dof transcription factor capable of altering the size and stature of a plant" Inventor: Michael M. Neff. Owner: Washington University. Awarded: 9/4/07
- Applied for September, 2005 "Amplified expression of the Arabidopsis SOB5 gene to induce dwarfism and alter root/shoot ratios in plants such as turf grass and row crops." Inventors: Michael M. Neff and Jingyu Zhang. Owner: Washington University.
- Provisional applied for October 2009: "Genetic manipulation of the AT-hook domain in plant AHL genes to modulate cell growth" Inventor: Michael M. Neff. Owner: Washington State University
- Patent applied for October 2010: "Genetic manipulation of the AT-hook domain in plant AHL genes to modulate cell growth" Inventor: Michael M. Neff. Owner: Washington State University

INVENTION DISCLOSURES

- Submitted June 2001: "The gene for a Dof transcription factor capable of altering the size and Stature of a plant" Inventor: Michael M. Neff. Owner: Washington University.
- Submitted January 2005: "Increasing endogenous brassinosteroid levels in plants via the disruption of brassinosteroid-inactivating cytochrome P450s" Inventor: Michael M. Neff. Owner: Washington University.
- Submitted June 2005: "Amplified expression of the Arabidopsis SOB5 gene to induce dwarfism and alter root/shoot ratios in plants such as turf grass and row crops." Inventors: Michael M. Neff and Jingyu Zhang. Owner: Washington University.
- Submitted June 2006: "Increased plant biomass and flower size via over-expression of SOB3/SHQ1 and ESC" Inventors: Michael M. Neff and Ian H. Street. Owner: Washington University.
- Submitted June 2006: "Amplified expression of the Arabidopsis SOFL genes to induce dwarfism and alter root/shoot ratios in plants such as turf grass and row crops." Inventors: Michael M. Neff and Jingyu Zhang. Owner: Washington University.
- Submitted October 2009: "Genetic manipulation of the AT-hook domain in plant AHL genes to modulate cell growth" Inventor: Michael M. Neff. Owner: Washington State University
- Submitted September 2013: "Manipulation of a six amino acid subdomain in the AHL protein PPC domain to modulate cell growth" Inventors: Michael M. Neff, Jianfei Zhao and David Favero. Owner: Washington State University

INVITED LECTURES

- WSU Grass Breeding and Ecology Farm Field Day, Pullman WA: **2026**
- The Othello Sandhill Crane Festival, Othello, WA: **2026**
- Washington Turfgrass Seed Commission, Pullman WA: **2026**
- Western Washington Golf Course Superintendents Association, Shoreline WA: **2026**
- Clean Air Lawn Care, National on-line: **2026**
- Clean Air Lawn Care, National on-line: **2026**
- Nezperce Prairie Grass Growers Association, Greencreek ID: **2026**
- Western Washington Golf Course Superintendents Association, on-line: **2025**
- Canvas 25 (ASSA/CSSA/SSSA National Agronomy Meeting), Salt Lake City WA: **2025**
- 78th Annual Northwest Turfgrass Association Conference at Gamble Sands Resort, Brewster WA: **2025**
- Clean Air Lawn Care, National on-line: **2025**
- WSU NWREC NARF Field Day, Mt. Vernon WA: **2025**
- American Society of Plant Biology (Speaker and Session Chair), Milwaukee WI: **2025**
- WSU Grass Breeding and Ecology Farm Field Day, Pullman WA: **2025**
- The Othello Sandhill Crane Festival, Othello, WA: **2025**
- Washington Turfgrass Seed Commission, Spokane WA: **2025**
- Plant & Animal Genome International Conference, San Diego CA: **2025**
- Montana Green Expo, Missoula MT: **2025**
- 77th Annual Northwest Turfgrass Association Conference at Bandon Dunes Resort, Bandon OR: **2024**
- WSU Department of Horticulture, Pullman WA: **2024**
- WSU School of Biological Sciences, Pullman WA: **2024**
- WSU Grass Breeding and Ecology Farm Field Day, Pullman WA: **2024**
- The Othello Sandhill Crane Festival, Othello WA: **2024**
- Washington Hay Growers Association Leadership, Pullman WA: **2024**
- WSU Student Plant Science Symposium, Pullman WA: **2024**
- Washington Turfgrass Seed Commission, Medical Lake WA: **2024**
- 76th annual Northwest Turfgrass Association conference at Pronghorn Resort, Bend OR: **2023**
- WSU Department of Crop and Soil Sciences, Pullman WA: **2023**
- WSU Grass Breeding and Ecology Farm Field Day, Pullman WA: **2023**
- The Othello Sandhill Crane Festival, Othello WA: **2023**
- Pullman Highschool, Pullman WA: **2023**
- Washington Turfgrass Seed Commission, Spokane WA: **2023**
- Clearwater Seed Growers Breakfast, Clarkston WA: **2023**
- British Columbia Golf Course Superintendent Interior Chapter, Kelowna BC (zoom due to weather): **2022**
- Washington State Master Gardeners Conference, Olympia WA: **2022**
- WSU Grass Breeding and Ecology Farm Field Day, Pullman WA: **2022**
- The Othello Sandhill Crane Festival, Othello WA: **2022 (cancelled due to COVID-19)**

- The Othello Sandhill Crane Festival, Othello WA: **2021 (cancelled due to COVID-19)**
- Spokane Ag Show/Pacific Northwest Farm Forum 2021, Spokane WA: **2021**
- Tech Alliance Policy Matters Summit, Seattle WA: **2020 (on-line)**
- The Othello Sandhill Crane Festival, Othello WA: **2020 (cancelled due to COVID-19)**
- 23rd Annual Noxious Weed Conference, Moses Lake WA: **2020**
- Spokane Ag Show/Pacific Northwest Farm Forum 2020, Spokane WA: **2020 (cancelled due to weather)**
- Washington Turfgrass Seed Commission, Pullman WA: **2019**
- WSU Land Legacy Dinner, Spangle WA: **2019**
- The Othello Sandhill Crane Festival, Othello WA: **2019**
- WSU School of Molecular Biosciences, Pullman WA: **2019**
- CSANR Outreach, Pullman WA: **2019**
- CBCCA Extension Short Course, Moses Lake, WA: **2019**
- 22nd Annual Noxious Weed Conference, Moses Lake WA: **2019**
- 22nd Annual Noxious Weed Conference, Moses Lake WA: **2019**
- Washington State Crop Improvement, Moscow ID: **2018**
- Washington State Crop Improvement, Moscow ID: **2018**
- 3rd International Brassinosteroid Meeting, San Diego, CA: **2018**
- CBCCA Extension Short Course, Moses Lake, WA: **2018**
- The Othello Sandhill Crane Festival, Othello WA: **2017**
- Banana Belt Gardening Series, Lewiston ID: **2017**
- Pacific Northwest Farmer's Cooperative Growers Meeting, Moscow ID: **2017**
- WSU Oilseed Workshop, Clarkston WA (two talks): **2017**
- WSU Department of Crop and Soil Sciences, Pullman WA: **2017**
- CBCCA Extension Short Course, Moses Lake, WA: **2017 (cancelled due to weather)**
- 20th Annual Noxious Weed Conference, Moses Lake WA: **2017 (cancelled due to weather)**
- Far West Agribusiness Association, Kennewick WA (two talks): **2016**
- WSU Wheat Academy, Pullman WA (two talks): **2016**
- The 4th Plant Genomics Congress USA, Philadelphia PA (talk ranked as the top presentation): **2016**
- Ph.D. School on 'Environmental Regulation of Plant Development', IBMPC Valencia, Valencia Spain: **2016**
- The Othello Sandhill Crane Festival, Othello WA: **2016**
- Master Gardeners of Benton/Franklin Counties Meeting, Kennewick WA: **2016**
- Palouse Audubon Society, Moscow ID: **2016**
- Annual Basin Producers Pesticide Recertification Day, Moses Lake WA: **2016**
- Weeds Conference, Wenatchee WA: **2015**
- WSU Department of Crop and Soil Sciences, Pullman WA: **2015**
- American Society of Plant Biology Western Regional Meeting, Pullman WA: **2015**

- International Symposium on Plant Photobiology, University of Texas, Austin TX: **Plenary Lecture 2015**
- WSU NIH Protein Biotechnology Training Grant Retreat, Pullman WA: **2015**
- The Othello Sandhill Crane Festival, Othello WA: **2015**
- Master Gardeners of Yakima County Meeting, Yakima WA: **2015**
- Master Gardeners of Spokane County Meeting, Spokane WA: **2015**
- Pacific Northwest Farmer's Cooperative Growers Meeting, Pullman WA: **2015**
- Gordon Research Conference on Plant Lipids: Structure, Metabolism, and Function, Galveston Island TX: **Featured Speaker 2015**
- Pacific Northwest Direct Seed, Oilseed Conference, Kennewick WA: **Plenary Lecture 2015**
- WSU Wheat Academy, Pullman WA: **2014**
- Crop Production Services Ag School Winter Conference, Kennewick WA: **2014**
- Washington State Master Gardeners Conference, Tacoma WA: **2014**
- WSU Extension County Faculty Meeting, Spokane WA: **2014**
- Oregon State University, Department of Crop and Soil Science, Corvallis OR: **2014**
- USDA-NIFA Project Director for Plant Biology and Plant Breeding Programs, Washington DC: **2014**
- University of Massachusetts Biology Department, Amherst MA: **2014**
- The Othello Sandhill Crane Festival, Othello WA: **2014**
- Crop Production Services Meeting, Almira WA: **2014**
- Washington Biofuel Cropping Systems, Pullman WA: **2014**
- Washington Grain Commission, Pullman WA: **2014**
- CBCCA Extension Short Course, Moses Lake, WA: **2014**
- Tri-State Grain Growers Convention, Davenport Hotel, Spokane WA: **2013**
- The Tomas S. Foley Institute for Public Policy and Public Service, WSU, Pullman WA: **2013**
- Washington State University Spokane Campus, Spokane WA: **2013**
- Washington State University, Department of Horticulture, Pullman WA: **2013**
- University of Lausanne, Lausanne Switzerland: **2013**
- Washington Grain Commission, Pullman WA: **2013**
- The Shepherd's Grain Flour Company, Pullman WA: **2013**
- Pullman League of Women Voters, Pullman WA: **2013**
- The Othello Sandhill Crane Festival, Othello WA: **2013**
- Far West Agribusiness Association, Pasco WA: **2012**
- Tri-State Grain Growers Convention, Coeur d'Alene Resort, Coeur d'Alene ID: **2012**
- Tilth Producers of Washington, Pt. Townsend WA: **2012**
- Washington Grain Commission, Pullman WA: **2012**
- Pacific Lutheran University, Tacoma WA: **2012**
- The College of New Jersey, Ewing NJ: **2012**
- Crop Production Services Meeting, Almira WA: **2012**
- Crop Production Services Convention, Coeur d'Alene Casino, Worley ID: **2011**

- Tri-State Grain Growers Convention, Spokane WA: **2011**
- University of Illinois, Chicago IL: **2011**
- Washington State University, CAHNRS Alumni Association: **2011**
- University of Florida, Gainesville FL: **2011**
- Washington Grain Commission, Pullman WA: **2011**
- Washington State University, School of Molecular Biosciences, Pullman WA: **2010**
- Washington Grain Commission, Pullman WA: **2010**
- Biofuel Feedstock Production Group, Pullman WA: **2009**
- Washington Grain Commission, Pullman WA: **2009**
- Department of Energy, Annapolis MD: **2009**
- Washington State University, Molecular Plant Sciences, Pullman WA: **2009**
- University of Texas, Austin TX: **2009**
- Washington State University Congressional Staffer's Meeting, Pullman WA: **2009**
- Panel Discussion on the Future of Crop Biotechnology, Pullman WA: **2009**
- Palouse Discovery Science Center, Pullman WA: **2009**
- Washington State University Center for Sustaining Agriculture and Natural Resources, Pullman WA: **2008**
- Swedish University of Agricultural Sciences, Umeå Sweden: **2008**
- Washington State University Puyallup Field Station, Puyallup WA: **2008**
- Washington State University Prosser Field Station, Prosser WA: **2008**
- Washington State University Integrated Plant Sciences Retreat, Pullman WA: **2008**
- Oregon State University, Department of Crop and Soil Science, Corvallis OR: **2007**
- Washington State University, Molecular Plant Sciences, Pullman WA: **2007**
- Washington State University-Vancouver, Science Programs, Vancouver WA: **2007**
- Temple University, Department of Biology, Philadelphia PA: **2007**
- Washington State University, Department of Crop and Soil Sciences, Pullman WA: **2007**
- Washington State University, School of Biological Sciences, Pullman WA: **2007**
- California State University-Channel Islands, Biology Program, Camarillo CA: **2007**
- University of Missouri-St. Louis, Department of Biology, St. Louis MO: **2007**
- North Carolina State University, Department of Genetics, Raleigh NC: **2007**
- University of Georgia, Plant Biology Department, Athens GA: **2007**
- St. Louis University, Department of Biology, St. Louis MO: **2007**
- Wabash College, Biology Department, Crawfordsville IN: **2007**
- University of North Florida, Department of Biology, Jacksonville FL: **2007**
- Towson University, Department of Biological Sciences, Towson MD: **2006**
- Worcester Polytechnic Institute, Dept. of Biology and Biotechnology, Worcester MA: **2006**
- McDaniel College, Biology Department, Westminster MD: **2006**
- Central Michigan University, Department of Biology, Mt. Pleasant MI: **2006**

- City University of New York, York College Dept. of Natural Sciences, Jamaica NY: **2006**
- University of Vermont, Department of Plant Biology, Burlington VT: **2006**
- Slippery Rock University, Department of Biology, Slippery Rock PA: **2006**
- Donald Danforth Plant Science Center, St. Louis MO: **2006**
- Monsanto Corporation, St, Louis MO: **2006**
- Donald Danforth Plant Science Center, St. Louis MO: **2005**
- University of Washington, Department of Biology, Seattle WA: **2005**
- 6th Annual Danforth Center Fall Symposium, St. Louis MO: **2004**
- Monsanto Corporation, St, Louis MO: **2004**
- Gordon Research Conference on Photosensory Receptors and Signal Transduction, Venture CA: **2004**
- St. Louis University, Department of Biology, St. Louis MO: **2003**
- University of Northern Illinois, Dekalb, IL: **2003**
- Juan March Foundation, Meeting on Plasticity in Plant Morphogenesis, Madrid, Spain: **2003**
- Hybrigene LLC, Portland OR: **2002**
- Ohio State University, Columbus OH: **2002**
- The Scotts Company, Marysville OH: **2002**
- 17th Intl. Conference on Plant Growth Substances, Brno, Czech Republic: **2001**
- 19th Annual Symposium on Plant Biology, University of Missouri-Columbia: **2001**
- Golf Course Superintendents Association, St. Louis MO: **2001**
- Fifth International Symposium on P450 Biodiversity, Copenhagen, Denmark: **Plenary Lecture 2000**
- University of Missouri, Biology Department Seminar, Columbia, MO: **2000**
- Washington University, St. Louis MO James S. McDonnell Department of Genetics Seminar: **2000**
- Society of Research Fellows at the Salk Institute for Biological Sciences: **1999**
- Purdue University, Department of Agronomy, West Lafayette IN: **1999**
- USDA Plant Gene Expression Center, Albany CA: **1999**
- University of Alabama, Dept. of Biological Sciences, Tuscaloosa AL: **1999**
- University of Arizona, Department of Plant Sciences, Tucson AZ: **1999**
- Washington University, Department of Biology, St. Louis MO: **1999**
- University of Delaware, Dept. of Plant and Soil Sciences, Newark DE **1998**

<u>ORAL ABSTRACT PRESENTATIONS</u>

- CANVAS 25 (Tri-Societies Annual Meeting, ASA/CSSA/SSSA), Salt Lake City UT: **2025**
- American Society of Plant Biologists Annual Meeting, Austin TX: **Session Chair 2012**
- American Society of Plant Biologists Annual Meeting, Minneapolis MN: **2011**
- Keystone Symposium on Plant Hormones and Signaling, Keystone CO: **2008**
- International Plant Photobiology Meeting, Paris: **2006**
- American Society of Plant Biologists Annual Meeting, Seattle WA: **2005**
- 22nd Annual Symposium on Plant Biology, University of Missouri-Columbia: **2005**
- American Society of Plant Biologists Annual Meeting, Honolulu HI: **Session Chair 2003**

- 9th International Conference on Arabidopsis Research: **1998**
- American Society of Plant Physiologists Annual Meeting: **1996**
- American Society of Plant Physiologists Annual Meeting: **1994**

AWARDS:

MARCH 2026:	American Association for the Advancement of Science (AAAS) 2025 Elected Fellow
DECEMBER 2020:	Graduate School Mentor Academy Award for Excellence, Washington State University, Pullman WA
APRIL 2018:	Finalist for the Sahlin Faculty Excellence Award for Instruction, Washington State University, Pullman WA
APRIL 2017:	Recipient of the Faculty Appreciation Award for the Access Center, Washington State University, Pullman WA
MARCH 2014:	Recipient of the Team Interdisciplinary Award (Biofuels Cropping Systems Team) for the College of Agricultural, Human, and Natural Resource Sciences, Washington State University, Pullman WA
APRIL 2013:	Recipient of the R.M. Wade Excellence in Teaching and Learning Award for the College of Agricultural, Human, and Natural Resource Sciences, Washington State University, Pullman WA
JANUARY 2013:	Finalist for the R.M. Wade Excellence in Teaching and Learning Award for the College of Agricultural, Human, and Natural Resource Sciences, Washington State University, Pullman WA
APRIL 2012:	Recipient of the Honors College Faculty Thesis Advisor of the Year, Washington State University, Pullman WA
JANUARY 2012:	Finalist for the R.M. Wade Excellence in Teaching and Learning Award for the College of Agricultural, Human, and Natural Resource Sciences, Washington State University, Pullman WA
JANUARY 2010:	Finalist for the R.M. Wade Excellence in Teaching and Learning Award for the College of Agricultural, Human, and Natural Resource Sciences, Washington State University, Pullman WA
JANUARY 2009:	Finalist for the R.M. Wade Excellence in Teaching and Learning Award for the College of Agricultural, Human, and Natural Resource Sciences, Washington State University, Pullman WA
AUGUST 2006:	Recipient of the 3rd Place Award, Fixed Gear Gallery's La Conversione Grande Fixed Gear Bicycle Conversion Contest
JULY 1999:	Recipient of the 1st Place Seminar Award, Salk Institute Society of Research Fellows
SEPT. 1996-SEPT. 1999:	Recipient of an NIH Postdoctoral Fellowship
JAN. 1991- DEC. 1994:	Recipient of an NIH Developmental Biology Training Grant
JAN. 1990- DEC. 1990:	Recipient of a University of Washington Graduate School Fellowship for Plant Molecular Integration and Function

MAY 1988:	Recipient of a University of Washington Botany Department Mary Garrett Hays Scholarship
MAY 1988:	Recipient of a National Collegiate Natural Science Award
JUNE 1981:	Recipient of the Gerry L. Gomprecht Mixed Chorus Senior Award, Friends School of Baltimore MD

TEACHING ACTIVITIES (WU= Washington University; WSU= Washington State University)**:**

INSTRUCTION/CLASSES

- **CropS 401: Turf Science (WSU) –** The goal of this three-credit lecture course is to introduce students to the integration of the principles of turfgrass science into turf management for environmental stewardship of turfgrass systems. This course is designed to relate to the student major features of the turfgrass ecosystem, interactions between ecosystem components, and the integration of turfgrass management systems and the use of Best Management Practices (BMPs) and Integrated Pest Management (IPM) to protect environmental quality. Environmental responsible turfgrass management will be emphasized throughout the course. The course will emphasize turfgrass systems in the Pacific Northwest. The goal is to integrate issues of turfgrass management systems and ecosystem function into sound environmental stewardship while also learning about scientific writing.
- **CropS 301: Turf Management (WSU) –** The goal of this three-credit lecture course is to introduce students to the principals of establishment and management of turf for lawns, parks and golf courses. This course is designed to relate to the student major features of the turfgrass ecosystem, interactions between ecosystem components, and the principles of establishment and management of turf for lawns, play fields, parks, cemeteries, and golf courses. The course will emphasize turfgrass management in the Pacific Northwest. The goal is to present material in a straightforward way that can be easily understood so the students can utilize and adapt what they have learned to turfgrass management later in their career or life. The course method of delivery will be by classroom lecture, outdoor and indoor laboratory exercises and demonstrations.
- **MPS 525: Plant Molecular Genetics- Course Master (WSU) –** A new graduate-level lecture course on Plant Molecular Genetics. This course is the first of the Molecular Plant Sciences core courses taken by new students that have joined the program. This course will also be part of the new graduate certificate in Plant Breeding, which is being developed in CAHNRS.
- **CropS 425: Crop Biotechnology- Separating Truth from Myth- Course Master (WSU) –** A new lecture course where undergraduate and graduate students learn how transgenic plants are made, discuss the perceived benefits and risks of genetically modified crops, explore alternate approaches to using modern genetic information in crop breeding, and ultimately develop the skills to intelligently and clearly express opinions about these important issues in agriculture.
- **AFS 101: Introduction to Agricultural and Food Systems- Guest Lecturer (WSU) –** An introductory course. My lecture is on crop biotechnology.
- **Hort/CropS 102: Introduction to Cultivated Plants- Guest Lecturer (WSU) –** An introductory course. I give multiple lectures (8 in 2015) in the class including one on crop biotechnology.
- **Crops 411: Crop Physiology (WSU) –** An upper level course. My lecture is on crop biotechnology.
- **Hort/CropS 201: Crop Growth and Development- Guest Lecturer (WSU) –** An introductory course. My lecture is on crop biotechnology.

- **Hort/CropS 202: Crop Growth and Development- Guest Lecturer (WSU) –** An introductory course. My lecture is on crop biotechnology.
- **CropS/SoilS 360: World Agricultural Systems- Guest Lecturer (WSU) –** An upper level course. My lecture is on crop biotechnology.
- **CRS 336: Agriculture, Environment and Community- Guest Lecturer (WSU) –** An upper level course. My lecture is on crop biotechnology.
- **CropS 403: Plant Breeding I- Guest Lecturer (WSU) –** An upper level course. My lecture is on crop biotechnology.
- **CropS 444: Plant Breeding I- Guest Lecturer (WSU) –** An upper level course. My lecture is on crop biotechnology.
- **CropS 445: Plant Breeding I- Guest Lecturer (WSU) –** An upper level course. My lecture is on crop biotechnology.
- **Hort 503: Bioinformatics Research- Guest Lecturer (WSU) –** A graduate level course. My lecture is on the AHL gene family.
- **MBioS/ChE 574: Interdisciplinary Course on Protein Biotechnology- Guest Lecturer (WSU) –** A graduate level course. My lecture is on the AHL protein family.
- **Bio 437: DNA Manipulation Lab- Course Master (WU) –** Lab course focusing on the molecular biology techniques involved in the identification, cloning, characterization and transgenic expression of DNA and RNA from a variety of prokaryotic and eukaryotic organisms.
- **Bio 3092: Experiments with Plants, Cells and Molecules- Course Master (WU) –** A team-taught lab course on plant biology with an emphasis on using microscopy, tissue culture and genetics to study plant development, physiology and signal transduction.
- **Bio 4023: How Plants Work- Physiology Growth and Metabolism (WU) –** A team-taught course on plant biochemistry, physiology and development in response to the environment.
- **Anth/Env Studies/Ind Studies 3322: Brave New Crops (WU) – Guest Lecturer**: A team-taught course addressing the impact and implications of genetically modified organisms on society. My lecture is on plant molecular biology.
- **Bio 4022: Plant Developmental Genetics/Genomics (WU) –** Lecture on activation tagging and other gain-of-function mutagenesis approaches in plant genetics in this core course for first-year graduate students in plant biology.

<u>RESEARCH TRAINING</u>

Current Postdoctoral Scientist (WSU):

- John Haddish Ph.D.

Past Postdoctoral Scientist (WSU):

- Hao Peng Ph.D.
- Jiwen Qiu Ph.D.
- David Favero Ph.D.
- Jianfei Zhao Ph.D.

- Reuben Tayengwa Ph.D.

Current Ph.D. Students (WSU):

- Jon Schnore

Past Ph.D. Students (WSU):

- Xin Xin

June 2025 Dissertation title: "From Field Trials to molecular Studies: Gibberellin-Mediated Seed Yield Enhancement, and Vernalization Responsive Genes and Rapid Spring Green Up in *Poa pratensis*" Now a postdoc in Dr. Dominic Petrella's lab at the University of Minnesota.

- Jessica Ortiz-Eriamiatoe

May 2025 Dissertation title: "Genome-Wide Evolutionary Characterization and Molecular Genetic Analysis of the *AT-Hook Motif Nuclear Localized* (*AHL*) Gene Family in a Eudicot Versus Monocot System"

- Shahbaz Ahmed

September 2024 Dissertation title: "Exploring Arabidopsis Molecular Insights, *Brassica napus* AHL Genome-Wide Analysis, and Genotype Stability Assessnent: A Multi-Pronged Approach to Enhance Canola Traits" Now a postdoc in Dr. Phil Bates lab at WSU

- Caitlin Jacques

May 2022 Dissertation title: "The Roles of AHLs in Light-Mediated Growth in Arabidopsis" Now a research scientist at the Northwest Genomics Center at the University of Washington, Seattle WA.

- David Favero

May 2016 Dissertation title: "Transcriptional Control of Arabidopsis development by AHLs" Now a Senior Editor for Spring Nature Group.

- Hao Peng

July 2015 Dissertation title: "Integration of Brassinosteroid Catabolism in Seedling Photomorphogenesis" Now a USDA Research Scientist in Parler CA

- Reuben Tayengwa

May 2015 Dissertation title: "Molecular Genetic Analysis of Two Plant-Specific Gene Families, *SOFL* and *AHL*, in *Arabidopsis thaliana*" Now a scientist at the University of Maryland, College Park.

- Jianfei Zhao

December 2013 Dissertation title: "Functional and Phylogenetic Analysis of the *AT-Hook Motif Nuclear Localized* Gene Family in Land Plants" Now an Assistant Professor at DePaul University.

Kulbir Sandhu

May 2013 Dissertation title: "Role of Brassinosteroid Catabolism in Arabidopsis Development" Now a scientist at the Morden Research and Development Center, Agriculture and Agri-Food Canada, Morden, MB, Canada

- Jared Bell (co-advised with Dr. Ian Burke in the Dept. of Crop and Soil Sciences)

May 2013 Dissertation title: “Biochemical and Genetic Characterization of Rubber Production in Prickly Lettuce (*Lactuca serriola* L.)” Now a scientist with Corteva Agrosciences.

Current Masters Student (WSU)

- Faishal Khan
- Katlyn Weaver

Past Masters Student (WSU)

- Shelby Westenskow

July 2019 Thesis title: “Using CRISPR-Cas9 to Knockout Brassinosteroid Inactivating Genes in *Arabidopsis thaliana*”

- Pushpa Sharma-Koirala

May 2019 Thesis title: “The AHL Gene Family and its Role in Flowering Time, Hypocotyl Length, Seed Size and Seed Weight in Arabidopsis”

Past Postdoctoral Scientists (WU):

- Leeann Thornton Ph.D. (Now a Professor at the College of New Jersey and past president of the American Society of Plant Biology) **Note: Dr. Thornton was also supported by a USDA postdoctoral fellowship in my lab.**
- Jingyu Zhang Ph.D. (Now an Associate Professor at the Botany Institute in Beijing, China)
- Jason M. Ward Ph.D. (Now a scientist at the Monsanto Corporation)

Past Ph.D. Students (WU):

- Edward M. Turk Ph.D.

April 2005 Dissertation title: “Brassinosteroid Catabolism Modulates Photomorphogenesis in Arabidopsis” Now a NIH postdoctoral fellow at Case Western Reserve University in the lab of Dr. Mark Caprara.

- Jason M. Ward Ph.D.

February 2006 Dissertation title: “Analysis of Two Transcription Factors with Distinct Roles in Arabidopsis thaliana Seedling Development” After being a post doc at the University of Chicago, in the lab of Dr. Daphne Preuss, now a scientist at the Monsanto Corporation.

- Ian H. Street Ph.D.

November 2007 Dissertation title: “The AT-Hook Containing Proteins SOB3/AHL29 and ESC/AHL27 are Negative Modulators of Hypocotyl Growth in *Arabidopsis*.” Now a post doc at Dartmouth College in the lab of Dr. G. Eric Schaller.

Past Masters Student (WU):

- Carie A. Cufr M.A.

Current Thesis/Dissertation Committees (WSU):

- Jon Schnoor (Ph.D. candidate; Advisor: Dr. Michael Neff; Department: Crop and Soil Sciences)
- Austin Alt (Ph.D. candidate; Advisor: Dr. Mark Lange; Department: Institute for Biological Chemistry, Molecular Plant Sciences Graduate Program)

Past Thesis/Dissertation Committees (WSU)

- Fabiola Torres (Ph.D. candidate; Advisor: Dr. Stephen Ficklin; Department: Horticulture)
- John Haddish Ph.D. (Advisor: Dr. Stephen Ficklin; Department: Horticulture)
- Shahbaz Ahmed Ph.D. (Advisor: Dr. Michael Neff; Department: Crop and Soil Sciences)
- Rainier Peters M.S. (Advisor: Dr. Per McCord; Department: Horticulture)
- Raul Rosas M.S. (Advisor: Dr. Ian Burke; Department: Crop and Soil Sciences)
- Paige Henning Ph.D. (Advisor: Dr. Andrew McCubbin; Department: School of Biological Sciences, Botany Graduate Program)
- Shaun Clare Ph.D. (Advisor: Dr. Robert Bruggeman; Department: Crop and Soil Sciences, Molecular Plant Sciences Graduate Program)
- Courtney Matzke M.S. (Advisor: Dr. Andrew McCubbin; Department: School of Biological Sciences, Botany Graduate Program)
- Anna Pratt Ph.D. (Advisor: Dr. Henning Kunz; Department: School of Biological Sciences, Botany Graduate Program)
- Nolan Scheible Ph.D. (Advisor: Dr. Andrew McCubbin; Department: School of Biological Sciences, Botany Graduate Program)
- Matthew Marcec Ph.D. (Advisor: Dr. Kiwamu Tanaka; Department: Plant Pathology, Molecular Plant Sciences Graduate Program)
- Caitlin Jacques Ph.D. (Advisor: Dr. Michael Neff; Department: Crop and Soil Sciences, Molecular Plant Sciences Graduate Program)
- Sharol Schmidt Ph.D. (Advisor: Dr. Andrei Smertenko; Department: Institute of Biological Chemistry, Molecular Plant Sciences Graduate Program)
- Cole Mueth Ph.D. (Advisor: Dr. Scot Hulbert; Department: Crop and Soil Sciences, Molecular Plant Sciences Graduate Program)
- Noel Hathaway M.S. (Advisor: Dr. Stephen Love; University of Idaho)
- Shelby Westenskow M.S. (Advisor: Dr. Michael Neff; Department: Crop and Soil Sciences)
- Pushpa Koirala M.S. (Advisor: Dr. Michael Neff; Department: Crop and Soil Sciences)
- Thiel Lehman Ph.D. (Advisor: Dr. Karen Sanguinet; Department: Crop and Soil Sciences)
- Kaitlyn Jo Engle M.S. (Advisor: Dr. Hang Liu; Department: Apparel Merchandising Design and Textiles)
- Paul Mihalyov Ph.D. (Advisor: Dr. Michael Pumphrey; Department: Crop and Soil Sciences, Molecular Plant Sciences Graduate Program)
- Caleb Squires Ph.D. (Advisor: Dr. Ian Burke; Department: Crop and Soil Sciences)
- Benjamin Burrows Ph.D. (Advisor: Dr. Andrew McCubbin; Department: School of Biological Sciences, Botany Graduate Program)
- Jeffrey Boehm Ph.D. (Advisor: Dr. Craig Morris; Department: Crop and Soil Sciences)

- David Favero (Ph.D. candidate; Advisor: Dr. Michael Neff; Department: Crop and Soil Sciences, Molecular Plant Sciences Graduate Program)
- Sven Nelson Ph.D. (Advisor: Dr. Camille Steber; Department: Crop and Soil Sciences, Molecular Plant Sciences Graduate Program)
- Hao Peng Ph.D. (Advisor: Dr. Michael Neff; Department: Crop and Soil Sciences)
- Reuben Tayengwa Ph.D. (Advisor: Dr. Michael Neff; Department: Crop and Soil Sciences, Molecular Plant Sciences Graduate Program)
- Kim Cotton Ph.D. (Advisor: Dr. John Browse; Department: Institute of Biological Chemistry, Molecular Plant Sciences Graduate Program)
- Diwaker Tripathi Ph.D. (Advisor: Dr. Hanu Pappu; Department: Plant Pathology, Molecular Plant Sciences Graduate Program)
- Jeremy Jewell Ph.D. (Advisor: Dr. John Browse; Department: Institute of Biological Chemistry, Molecular Plant Sciences Graduate Program)
- Jianfei Zhao Ph.D. (Advisor: Dr. Michael Neff; Department: Crop and Soil Sciences, Molecular Plant Sciences Graduate Program)
- Kulbir Singh-Sandhu Ph.D. (Advisor: Dr. Michael Neff; Department: Crop and Soil Sciences)
- Jared Bell Ph.D. (Co-Advisors: Drs. Ian Burke and Michael Neff; Department: Crop and Soil Sciences, Molecular Plant Sciences Graduate Program)
- Max Feldman Ph.D. (Advisor: Dr. Mark Lange; Department: Institute of Biological Chemistry, Molecular Plant Sciences Graduate Program)
- Kristen Woffinden Ph.D. (Advisor: Dr. Helmut Kirchhoff; Department: Institute of Biological Chemistry, Molecular Plant Sciences Graduate Program)
- Yongjian Qiu Ph.D. (Advisor: Dr. Joe Poovaiah; Department: Horticulture and Landscape Architecture)
- Jing Xi Ph.D. (Advisor: Dr. Joe Poovaiah; Department: Horticulture and Landscape Architecture)
- Yajie Niu Ph.D. (Advisor: Dr. John Browse; Department: Institute of Biological Chemistry, Molecular Plant Sciences Graduate Program)

Past Thesis/Dissertation Committees (WU)

- Cawas Engineer Ph.D.
- Elizabeth Berkes Ph.D.
- Ian Street Ph.D. (Advisor)
- Jason Londo Ph.D.
- Neva Laurie-Berry Ph.D.
- Melissa Lim Ph.D.
- Heather Sevener Ph.D.
- Heather Marella Ph.D.
- Jason Ward Ph.D. (Advisor)
- Edward Turk Ph.D. (Advisor)
- Carie A. Cufr M.A. (Advisor)

- Rick Lawrence Ph.D.
- Leeann Thornton Ph.D. (Chair)
- Shuang Chang Ph.D. (Chair)
- Michelle Lewis Ph.D.
- Doug Creer Ph.D.

Undergraduate Research Students

- Current (WSU): 3-7
- Past (WSU): over 70 Note: Jazmin Morales is a first-generation college student and Hispanic. Holly Lane is Native American. Maya Howell is African American. Kim Le is an author on two papers. Courtney Pierce and Breanna Ervin were both USDA Upward Bound Interns as High School students before joining the Neff lab. Paul Froese was an Honors College undergraduate who performed his Honor's Thesis research in the Neff Lab. Two undergraduates are authors on a paper in The American Biology Teacher (Lori Sanderson and Dan Tedor). Lori received a CAHNRS Undergraduate Research and Creative Project Grant to support this work including $1500 for supplies. Derik LeFave received a CAHNRS Undergraduate Research and Creative Project Grant to support this work including $1500 for supplies. Tyler Markwart and Davey Vogan each received a CAHNRS Undergraduate Research and Creative Project Grant to support this work including $1000 each for supplies.
- Past (WU): 32 Note: Nine undergraduates are authors on publications (Megan Denzel, Quetzal Torres, Girish Murthy, Alison Smith, Purvi Shah, Sarah Galanti, Nathan Avery, Elizabeth Wrage and Katy Hagely).

High school Research Students:

- Past: 9 Note: One high school student is an author on a publication (Michael Kalishman).

PROFESSIONAL SERVICE ACTIVITIES:

Department of Crop and Soil Sciences

- Chair of Dr. Rui Liu's Tenure and Promotion Advisory Committee (2025 – present)
- Assistant Chair, Department of Crop and Soil Sciences (2011 – 2021, 2024 – present)
- Member or the CSS Executive Advisory Committee (2011 – present)
- Chair of Dr. Karen Sanguinet's Tenure and Promotion Advisory Committee
- Chair of the CSS Crop Physiologist Faculty Search Committee
- Co-Lead (with Rich Koenig and David Brown) of the CSS Strategic Planning Committee
- Member of Dr. Kefi Desta's Tenure and Promotion Advisory Committee
- Chair of Dr. Ian Burke's Career Advisory Committee
- Chair of Dr. Arron Carter's Career Advisory Committee
- Member of Dr. Michael Pumphrey's Career Advisory Committee
- CSS Graduate Student Recruiting Committee
- Biofuel Feedstock Production Group

- Chair of the CSS Operations Manager Search Committee
- Member of the Spring Wheat Breeder Faculty Search Committee
- Member of the Winter Wheat Breeder Faculty Search Committee
- Member of Dryland Cropping Systems Agronomist Faculty Search Committee

University and College of Agricultural, Human, and Natural Resource Sciences

- CAHNRS Liaison for the Washington State Turfgrass Seed Commission (2025 – present)
- CAHNRS Liaison for the Washington State Turfgrass Seed Association (2025 – present)
- CAHNRS Liaison for the Northwest Turfgrass Association (2025 – present)
- CAHNRS Liaison for the Inland Empire Golf Course Superintendents Association (2025 – present)
- CAHNRS Liaison for the Western Washington Golf Course Superintendents Assn (2025 – present)
- CAHNRS Liaison for the Washington State Hay Growers Association (2025 – present)
- Integrated Plant Sciences Major Steering Committee (2023 – present)
- Chair of WSU/CSS Turf taskforce committee (2015 – present)
- Member of the WSU Graduate Mentor Academy (2013 – present)
- Member of the Provost's Leadership Development Group (2012 – present)
- Faculty Member in the Center for Integrated Biotechnology (2007 – present)
- Faculty Member in the Molecular Plant Sciences Graduate Program (2007 – present)
- Member of Faculty Affairs Committee (2018 – 2024)
- Member of Faculty Senate (2017 – 2023)
- Director, Molecular Plant Sciences Graduate Program (2009 – 2023)
- Molecular Plant Sciences Graduate Program Steering Committee Member (2008 – 2023)
- Graduate Student Recruiting Committee in the Molecular Plant Sciences Graduate Program (2007 – 2023)
- Member of Provost's Tenure and Promotion Advisory Committee (2018 – 2021)
- Member of the CRISPR core facility directors search committee (2016)
- Chair of a WSU research misconduct investigation committee (2015 – 2016)
- Member of a WSU research misconduct inquiry committee (2015)
- Member of the Plant Sciences Building (REC#5) Design Committee (2014 – 2020)
- Member of the Institute of Biological Chemistry's Full Professor Promotion Committee (2015)
- Member of the CAHNRS/ARC Competitive Task Force Committee (2013/2014)
- Panel member for the Emerging Research Issues for Washington Agriculture 2016 Internal Competitive Grant Program

- Panel member for the Emerging Research Issues for Washington Agriculture 2014 Internal Competitive Grant Program
- Panel member for the Emerging Research Issues for Washington Agriculture 2013 Internal Competitive Grant Program
- Steering Committee for the Global Plant Sciences Initiative in the Molecular Plant Sciences Graduate Program (2007 – 2009)
- Undergraduate and High School Research Internship Committee for the Global Plant Sciences Initiative in the Molecular Plant Sciences Graduate Program (2007 – 2009)

General Community

- **University City Science Advisory Council (UCSAC) Washington University Representative (2000 to 2007)-** UCSAC advises the School District of University City on its science education programs. St. Louis MO
- **Member of the City of Clayton Ecology and Environmental Awareness Committee (2006 to 2007)** This organization advises the City of Clayton and the Public Works Director on matters related to Ecology and Environmental Awareness. St. Louis MO

Scientific Community

- **USDA-NIFA Review panel member (Fall 2014)**
- **Women in Plant Biology Committee member, American Society of Plant Biologists (2012- 2015)**
- **National Science Foundation Review panel member (Spring 2012)** Processes, Structures and Integrity (PSI)-Plant Program Proposal Review Panel in the Physiological and Structural Systems Cluster **(Note: Panel reviewer for 17 plant research grant pre-proposals)**
- **Women in Plant Biology Committee member, American Society of Plant Biologists (2009- 2012)**
- **National Science Foundation Review panel member (Spring 2009)** Integrative Organismal Systems Proposal Review Panel for the Physiological and Structural Systems Cluster **(Note: Panel reviewer for 15 plant and animal grant proposals)**
- **National Science Foundation Review panel member (Spring 2008)** Integrative Organismal Systems Proposal Review Panel for the Physiological and Structural Systems Cluster **(Note: Panel reviewer for 16 plant and animal grant proposals)**
- **External Ph.D. dissertation opponent for Mattias Holmlund at the Swedish University of Agricultural Sciences, Department of Forest Genetics and Plant Physiology, Umea Sweden (Fall 2008)**

Reviewer of Manuscripts

- Science
- Developmental Cell
- G3: Genes, Genomes, Genetics
- Genes and Development
- Genetics
- Theoretical and Applied Genetics
- Journal of Applied Genetics
- Genome Research

- Photochemistry and Photobiology
- BMC Plant Biology
- Plant Cell
- Plant Journal
- Plant Physiology
- Plant Physiology and Biochemistry
- Journal of Plant Growth Regulation
- Plant and Cell Physiology
- Plant Molecular Biology
- Plant Molecular Biology Reporter
- Plant Methods
- Plant Science
- Journal of Experimental Botany
- Bioinformatics
- Journal of Immunological Methods
- Trends in Genetics
- Phytochemistry
- Photosynthesis Research
- Planta
- FEBS Letters
- PLOS One
- Breeding Science

Note: Reviewed 5 manuscripts in 2019, 8 in 2018, 5 in 2017, 8 in 2016, 3 in 2015, 8 in 2014, 6 in 2013, 12 in 2012, 8 in 2011, 11 in 2010, 10 in 2009, 10 in 2008, 1 in 2007, 7 in 2006, 12 in 2005, 13 in 2004, 6 in 2003, 3 in 2002, 3 in 2001, 3 in 2000, stopped counting post COVID-19.

Ad-hoc Reviewer of Grant Proposals

- University of Missouri Research Council (UMRC)
- National Science Foundation (NSF)
- Department of Energy (DOE)
- United States Department of Agriculture (USDA)
- Lawrence Livermore National Laboratory (LLNL)
- Czech Science Foundation (CSF)
- United States – Israel Binational Agricultural Research and Development Fund (BARD)
- Hong Kong Research Grants Council (RGC)
- Kentucky Science and Engineering Foundation

Note: Ad hoc reviewer for WSU variety release in 2019; Ad hoc reviewer for BBSRC in 2018; Ad hoc reviewer for WSU undergraduate research awards in 2017, Ad hoc reviewer for 1 USDA and 1 UMRC proposal in 2016; Ad hoc reviewer for 1 Hong Kong RGC and 1 Kentucky Science and Engineering Foundation in 2104; Ad hoc reviewer for 1 Hong Kong RGC and 1 HATCH in 2012; Ad hoc reviewer for a CSF proposal in 2010; Ad hoc reviewer for 1 BARD, 1 HATCH and 1 variety release proposal in 2009; Ad hoc reviewer for 1 CSF and 2 NSF proposals in 2008; 1 NSF proposal in 2005; 1 USDA and 4 NSF proposals in 2004; 1 USDA, 2 DOE and 5 NSF proposals in 2003; 2 DOE and 5 NSF proposals in 2002; 1 NSF, 1 LLNL and 3 USDA proposals in 2001; 1 USDA proposal in 2000, stopped counting post COVID-19.

Professional Affiliations

- **Member of the American Association for the Advancement of Science (2017 – Present).** AAAS communicates the benefits of science for society and is the nonprofit publisher of the *Science* family of journals, the world's preeminent source for scientific updates, cutting-edge research, and commentary from leading experts.
- **Member of the American Society of Plant Biology (1993 – Present).** This organization is dedicated to coordinating plant biology research and education in the United States.
- **Member of the Council for Biotechnology Information (2000 – Present).** This organization focuses on educating the general public on the issues involved in biotechnology.
- **Member of the American Society of Agronomy, Crops Science Society of America and Soil Science Society of America (2007 – Present).** This group of organizations is dedicated to coordinating agricultural research and education in the United States.
- **Member of the National Association of Biology Teachers (2009 – Present).** This organization works to promote biology education and educators through publications, workshops and awards for excellence.
- **Member of the Genetics Society of America (2012 – Present).** This organization is dedicated to coordinating genetic research and education in the United States.

Interviews for popular press articles (54 total):

- **Interviewed by Roshan McArthur for a June 2008 article in The New Scientist on issues that students should be considering before entering a career in plant biotechnology.**
- **Interviewed by Cherie Winner for an August 2008 article in the Washington State Magazine on my lab's research and how it relates to plant biotechnology.**
- **Interviewed by Dennis Brown for a January 2009 article for the Washington State University CAHNRS web site "On Solid Ground" regarding my 2009 publication in the American Biology Teacher**
- **Interviewed by Stacie Jones for a November 2011 article for Wheat Life Magazine entitled "The nuts and bolts of GMOs".**
- **Interviewed by Matthew Weaver for an April 20th, 2012 article in Capital Press regarding WSU's new Phenomics Lab.**
- **Featured in an April 27th, 2012 article from Washington State University Extension News for baking bread with Glee flour (named after Virginia Lee) as a part of the second annual Dr. Virginia Lee "Change the World" Fellowship Fundraiser.**
- **Interviewed by Steve Brown for a November 12th, 2012 article in Capital Press regarding a seminar I gave for Seattle Tilth in Pt. Townsend WA on GMO crops. http://www.capitalpress.com/content/SB-genetic-resources-GMO-111212-art**
- **Featured in a November 16th, 2012 article by Sylvia Kantor for a WSU Organic farms blog regarding a seminar I gave for Seattle Tilth in Pt. Townsend WA on GMO crops. http://organicfarms.wsu.edu/blog/seeding-the-future-with-genetic-diversity/**

- **Interviewed by Matthew Weaver for a November 15th, 2012 Capital Press article on the GMO Panel that I participated in at the Tri-State Grain Growers Convention. http://www.capitalpress.com/newest/mw-Biotech-panel-11-14-12-art**
- **Interviewed by Steve Brown for December 6th, 2012 Capital Press article regarding a Kaiser Permanente fall newsletter stating that eating GMOs poses a human health risk. http://www.capitalpress.com/newest/SB-Kaiser-GMO-113012**
- **Featured in a December 2012 article in Wheat Life Magazine by Trista Crossley entitled "Let's talk GMOs- Experts weigh the pros, cons of GMOs at Tri-State Grain Growers Convention." http://www.wheatlife.org/Dec2012_GMO.html**
- **Featured in a March 5th, 2013 article on the front cover of Moscow-Pullman Daily News by Holly Bowen entitled "Speaker calls for fair discussion about GMOs" which covered my talk on GMOs given on March 4th 2013 to the Pullman League of Women Voters. http://dnews.com/local/article_d7317f02-1a22-5684-9c28-70481065eb7b.html**
- **Featured in a March 15th, 2013 Opinion Piece in the Moscow-Pullman Daily News by Deb Welch entitled "Questions about GMO, food" addressing the March 5th article described above. http://dnews.com/opinion/article_5691488e-2985-5cc6-bbe8-84c66e847b3c.html**
- **Interviewed for an October 22nd, 2013 KING 5 TV News article on GMO foods and the Initiative 522 Washington November ballot. http://www.king5.com/home/WSU-researchers-say-I-522-is-misleading-to-consumers-228961991.html**
- **Featured in an October 20th, 2013 WSU News Article by Rachel Webber entitled "WSU scientists discuss pros and cons of I-522 in Foley Panel". http://news.wsu.edu/2013/10/30/wsu-scientists-discuss-pros-and-cons-of-i-522-in-foley-panel/#more-108330**
- **Featured in an October 29th, 2013 WSU Daily Evergreen newspaper article by Madison Callan entitled "GMO labeling presents a cultural discussion". http://www.dailyevergreen.com/news/campus/article_29ece2c4-4045-11e3-8214-001a4bcf6878.html?mode=story**
- **Featured in a December 2013 article by Trista Crossley for Wheat Life Magazine intitled "Looking back at the GMO event". http://www.wheatlife.org/Issues/11_WLDec13web.pdf**
- **Interviewed for the December 6th, 2013 TV show "Washington Grown Episode 9" on bread, wheat and GMOs. http://www.wagrown.com/our-stories/0qQnTTVhjW8**
- **Featured in a January 23rd, 2015 article by Matthew Weaver for Capital Press entitled "WSU Professor Seeks GMO Conversation". http://www.capitalpress.com/20150123/wsu-professor-seeks-scientific-gmo-conversation**
- **Featured in a May 14th, 2017 podcast with Scott Yates for the Washington Grain Commission's Wheat All About It intitled "Episode 21: There's Nothing Basic About It". http://wagrains.org/wp-content/uploads/2017/05/5.16.17-21-Nothing-Basic-About-It-5-14-17-3.46-PM.mp3**
- **Featured in an August 7, 2017 article by Brian Charles Clark for Washington State Magazine entitled "Plant for the Future". https://magazine.wsu.edu/2017/08/07/plant-for-the-future/**
- **Featured in a November 6, 2017 podcast with Dr. Drew Lyon for CAHNRS and WSU extension entitled "GMOS with Michael Neff". http://smallgrains.wsu.edu/wsu-wheat-beat-episode-2/**

- **Featured in a November 27th, 2017 article by Seth Truscott for CAHNRS News at WSU entitled "Seeds of knowledge: Researchers explore genetic secrets of plant growth". http://news.cahnrs.wsu.edu/blog/article/seeds-of-knowledge-researchers-explore-genetic-secrets-of-plant-growth/**
- **Featured in a December 19th, 2017 article by Seth Truscott for the Lewiston Tribune Agriculture section entitled "Seeds of knowledge: Researchers explore genetic secrets of plant growth". (same as above) https://lmtribune.com/agriculture/seeds-of-knowledge-genetic-secrets-of-plants/article_190b905e-d917-56d5-93e0-f04db64591eb.html**
- **Featured in an August 8, 2019 podcast with Scott Yates for the Washington Grain Commission's Wheat All About It intitled "Episode 138: Is Synthetic Biology the Playbook for Playing God?". http://wagrains.org/wp-content/uploads/2019/08/8.13.19-Ep-138-Is-Synthetic-Biology-the-Playbook-for-Playing-God-72719-12.57-PM.mp3**
- **Featured in a September 5th, 2019 article by RJ Wolcott, WSU Insider News entitled "WSU Cultivating New Perennial Grass Breeding and Ecology Farm Research Site" https://news.wsu.edu/2019/09/05/wsu-cultivating-new-perennial-grass-breeding-ecology-farm-research-site/**
- **Featured in a September 10th, 2019 article by RJ Wolcott for the Lewiston Tribune Agriculture section entitled "WSU Cultivating New Perennial Grass Breeding and Ecology Farm Research Site" (Same as above)**
- **Featured in an October 10th, 2019 article by Matthew Weaver for Capital Press entitled "New WSU Farm to Breed for 'Lawns of the Future'" https://www.capitalpress.com/ag_sectors/research/new-wsu-grass-farm-to-breed-for-lawns-of-the/article_c4bdc562-ea0c-11e9-866e-db435cac57e6.html**
- **Featured in an October 15th, 2019 article by Seth Truscott for the WSU CAHNRS News web page entitled "Alumni, partners explore new Perennial Grass Breeding and Ecology Farm" http://news.cahnrs.wsu.edu/article/alumni-partners-explore-new-perennial-grass-breeding-and-ecology-farm/**
- **Interviewed in a May 1st, 2020 Ask Dr. Universe article: "What is inside a blade of grass and why is it green?" https://askdruniverse.wsu.edu/2020/05/01/inside-blade-grass-green/**
- **Interviewed for a Fall 2020 Washington State Magazine article by Adriana Janovich entitled "Pacific Golden Chanterelles" https://magazine.wsu.edu/2020/07/31/pacific-golden-chanterelles/**
- **Interviewed for a Fall 2020 Washington State Magazine article by Adriana Janovich entitled "Chanterelle Recipes" https://magazine.wsu.edu/web-extra/chanterelle-recipes/**
- **Featured in a September 1st 2021 podcast with Sarah Dreger on "Cougs Talk Stock" entitled "CTS 011: What are GMOs'? Are they safe? https://soundcloud.com/cougstalkstock/cts-008-michaelneff-whataregmos-mixdown**
- **"No-burn Kentucky bluegrass on the way from WSU". Posted on 3/9/21. This is an interview with Matthew Weaver for Capitol Press. (https://www.capitalpress.com/ag_sectors/research/no-burn-kentucky-bluegrass-on-the-way-from-wsu/article_4365033a-7dc3-11eb-bdd1-7b06078609c8.html)**

- **"Western Innovator: Boosting Kentucky bluegrass seed yields" Posted on 4/9/21. This is an interview with Matthew Weaver for Capitol Press. (https://www.capitalpress.com/ag_sectors/research/western-innovator-boosting-kentucky-bluegrass-seed-yields/article_8267d908-77c5-11eb-9868-ff89c4545d9a.html)**
- **"Spokane City Council adopts ordinance to ban watering lawns during peak hours of summer, fall; Woodward disapproves" Posted on 5/24/22. This is an article by Greg Mason written for the Spokesman Review an includes an interview with Dr. Neff. (https://www.spokesman.com/stories/2022/may/24/spokane-city-council-adopts-ordinance-to-ban-water/?fbclid=IwAR2ehXKS_ssNsJpQtzIjVN-_mG01IvMcqSz5vUD5yBfWTEjWyAGTEcqNgd4)**
- **"Field day highlights WSU's turf grass research" Posted on 5/25/22. This is an interview with Matthew Weaver for Capitol Press. (https://www.capitalpress.com/ag_sectors/research/field-day-highlights-wsus-turf-grass-research/article_1a5471b0-dc40-11ec-b30e-4bc1c155b788.html)**
- **"Turfgrass farm debuts grasses of tomorrow with inaugural field day" Posted on 6/3/22. An article by Seth Truscott for the WSU Insider Magazine. (https://news.wsu.edu/press-release/2022/06/03/new-wsu-turfgrass-farm-debuts-grasses-of-tomorrow-with-inaugural-field-day-june-9/)**
- **"Lawns for a hot, dry future tested at WSU turfgrass research farm" Posted on 9/1/22. An article by Seth Truscott for the WSU Insider Magazine. (https://news.wsu.edu/news/2022/09/01/lawns-for-a-hot-dry-future-tested-at-wsu-turfgrass-research-farm/?utm_source=WSUNews-enewsletter&utm_campaign=wsunewsenewsletter&utm_medium=email&fbclid=IwAR0-d11BqwTYlwOx6imx3CCoQ73zLTizMOBo0KPbsYFpHbk60YvSPXS0Omg)**
- **"Global agriculture is in many ways indebted to scientists who tinker with a nondescript little plant called mouse-ear cress or *Arabidopsis thaliana*." Posted on 10/31/22. Washington State Magazine (https://magazine.wsu.edu/2022/10/31/just-a-small-thing-making-a-big-difference/)**
- **Featured in the Seattle ARCS Foundation 2022 Annual Brochure Page 9 (https://simplebooklet.com/arcsannualbrochure2022#page=9)**
- **"Field tour looks at hard-working grasses, June 8th" Posted on 5/31/23. This is an article by Seth Truscott for the WSU Insider Magazine. (https://news.cahnrs.wsu.edu/article/field-tour-looks-at-hard-working-grasses-for-the-future-june-8/?fbclid=IwAR2NkBLgYqhcNhugjiKWbeWShXsXNBU3FdnkQLwu9JdAHnSx0SXIleR-GfE)**
- **"Heavy duty grasses could replace artificial turf on athletic fields" Posted on 11/14/23. This is an article by Seth Truscott for the WSU Insider Magazine. (https://news.wsu.edu/press-release/2023/11/14/heavy-duty-grasses-could-replace-artificial-turf-on-athletic-fields/)**
- **"Hot but not bothered" Posted on 4/29/24. This is an article by Larry Clark for the Summer 2024 Washington State Magazine (https://magazine.wsu.edu/2024/04/29/hot-but-not-bothered/)**
- **Grass for the Future: Breeder keeps growers, consumers in mind. Posted on 5/16/24. This is an article by Matthew Weaver for Capital Press**

(https://www.capitalpress.com/ag_sectors/research/for-the-future-breeder-keeps-growers-consumers-in-mind/article_bad9debc-f904-11ee-8430-977bd304563f.html)

- **WSU researchers aiming to replace artificial turf with real grass. Aired on prime-time KING5 News 6/30/24. This is a video news piece written and produced by Chief Meteorologist Leah Pezzetti (https://www.king5.com/article/tech/science/environment/wsu-researchers-aiming-replace-artificial-turf-real-grass/281-a2eb989c-2520-4ade-a116-fb51b31310f2)**
- **The best grass seed for Pacific Northwest lawns. Posted on 10/7/24. This is an article by Tatiana Barrie for Lawn Love. (https://lawnlove.com/blog/best-grass-seed-pacific-northwest/)**
- **New 'Matchless' grass variety yields high seed count without need for field burning. Posted on 1/30/25. This is an article by Scott Weybright for CAHNRS News. (https://news.cahnrs.wsu.edu/article/new-matchless-grass-variety-yields-high-seed-count-without-need-for-field-burning/)**
- **New 'Matchless' grass variety yields high seed count without need for field burning. Posted on 1/30/25. This is the same article as above by Scott Weybright for WSU Insider. (https://news.wsu.edu/press-release/2025/01/30/new-matchless-grass-variety-yields-high-seed-count-without-need-for-field-burning/?utm_source=WSUNews-enewsletter&utm_campaign=wsunewsenewsletter&utm_medium=email)**
- **"WSU announces grass strain that doesn't need burning." Published on 2/2/25. This is an article by Thomas Clouse for the Sunday Edition front page of the Spokesman Review Newspaper. (https://www.spokesman.com/stories/2025/feb/02/wsu-announces-grass-strain-that-doesnt-need-burnin/ and https://eedition.spokesman.com/infinity/article_popover_share.aspx?guid=794e4ea6-4633-43b3-803a-53cbdbbf36b7&share=true)**
- **"As Spokane's summer watering restrictions kick in, adapt or kill your lawn". Published on 7/31/25. This is an article by Emri Dinman for the Spokesman Review Newspaper. (https://www.spokesman.com/stories/2025/jul/31/as-spokanes-summer-watering-restrictions-kick-in-a/)**
- **"WSU-bred native grasses to compete with wetland-clogging invaders." Published on 8/25/25. This is an article by Seth Truscott for CAHNRS News and republished in Morning Ag Clips. (https://news.cahnrs.wsu.edu/article/wsu-bred-native-grasses-to-compete-with-wetland-clogging-invaders/) and (https://www.morningagclips.com/wsu-bred-native-grasses-to-compete-with-wetland-clogging-invaders/)**
- **"Watching grass grow 'endlessly fascinating' for newly endowed WSU professor" Published on 1/6/26. This is an article by Scott Weybright for CAHNRS News, WSU. (https://news.cahnrs.wsu.edu/article/watching-grass-grow-endlessly-fascinating-for-newly-endowed-wsu-professor/)**
- **"WSU turfgrass professor and area farmer make national 'Ask This Old House' appearance" Published on 2/18/26. This is an article by Scott Weybright for CAHNRS News, WSU. (https://news.cahnrs.wsu.edu/article/wsu-turfgrass-professor-and-area-farmer-make-national-ask-this-old-house-appearance/?fbclid=IwY2xjawQkAQxleHRuA2FlbQIxMQBzcnRjBmFwcF9pZBAyMjIwMzkxNzg4**

MjAwODkyAAEeOGK3JaXuPn8444sk5iaGE-ulWlhgiYe2R46zW7YbVI-qlL8e6xaNmC8-CUI_aem_HtwoJxfu9_TI4Lw5OVH0Uw)

- **"Two WSU professors among 2025 AAAS Fellows" Published on 3/26/26. This is an article by RJ Wolcott for WSU Insider. (https://news.wsu.edu/news/2026/03/26/two-wsu-professors-among-2025-aaas-fellows/?utm_source=WSUNews-enewsletter&utm_campaign=wsunewsenewsletter&utm_medium=email)**

- **"Turgrass professor among 2025 AAAS Fellows" Published on 3/26/26. This is an article by Scott Weybright for CAHNRS News, WSU. (https://news.cahnrs.wsu.edu/article/turfgrass-professor-among-2025-aaas-fellows/?fbclid=IwY2xjawQ31VBleHRuA2FlbQIxMQBzcnRjBmFwcF9pZBAyMjIwMzkxNzg4MjAwODkyAAEeaZGNE-lxp7jmbYWqIeQebeGah8W_5GFc5oQfjX1CFHl-x4nP0VdEwDHeO5U_aem_Icn08xW0_g8LZIq3vuplXA)**

YouTube/Facebook Videos (21 total) with over 30,000 total views:

- **"Living in a World of Far-red Light" Posted 4/1/10 with 9,011 views (http://www.youtube.com/watch?v=hl4WFUe5PCw)**
- **"Giving Plants Their…Space" Posted 5/28/10 with 218 views (same video as above) (https://www.youtube.com/watch?v=jX59ypU_830)**
- **"WSU Professor Works to Create Reliable Source of Biofuels" Posted on 3/30/11 with 485 views (http://www.youtube.com/watch?v=MdSpvvtjmio)**
- **"Dr. Michael Neff Performs His Original Tune '1-800-DNA'" Posted on 12/10/12 with 1025 views (http://www.youtube.com/watch?v=67l42Ndopo4)**
- **"Dr. Michael Neff TEDxWWU Application Video" Posted on 3/30/13 with 272 views (http://www.youtube.com/watch?v=67ZiCxml65M)**
- **"A new biofuel crop for Washington farmers?" Posted on 11/13/13 with 170 views (https://www.youtube.com/watch?v=qh8kfi5samg)**
- **"What Plants See…Changes How They Grow" Posted on 11/13/13 with 7843 views (https://www.youtube.com/watch?v=kgbPsbDAMNc)**
- **"WA Grown S1E9 WSU Michael Neff GMO Interview" Posted on 2/18/14 with 438 views (https://www.youtube.com/watch?v=hRMnHcahJiI)**
- **"The Science, Ethics, and Politics of GMOs and Your Food" Posted on 10/28/14 with 138 views. A Foley Institute Science, Ethics, and Public Policy Symposium as a discussion of the science and ethics behind labeling GMOs (WA I-522 on the 2013 ballot) in Pullman, WA on 10/28/13 (https://www.youtube.com/watch?v=f6TZmiRhugA)**
- **"Transgenic Crops – The Methods, Pros and Cons of GMOs and Biotechnology" Posted on 6/19/15 with 3305 views. A talk I gave at the 2015 PNW Oilseed & Direct Seed Cropping Systems Conference in Kennewick, WA on 1/22/15 (https://www.youtube.com/watch?t=22&v=4_oBE10dfDc)**
- **"Your Checkoff at Work: The research of Michael Neff, Ph.D., WSU Perennial Grass Breeding Program" Posted on 10/10/19 with 409 views. This is an interview with Kara Rowe from North**

by Northwest for the Washington Turfgrass Seed Commission's Fall 2019 Business update (https://app.flashissue.com/newsletters/9a1994ff74f38b145bf383408e41b56a600b4f00#ytp-48-2614) (https://www.youtube.com/watch?time_continue=3&v=5_vkYxoVz5w)

- **"The New Perennial Grass Farm" Posted on 12/18/19 with 48 views. This is an interview with Kara Rowe from North by Northwest for the Washington Turfgrass Seed Commission's Fall 2019 Business update (https://www.youtube.com/watch?v=NYmoXdZIRl4&feature=youtu.be)**
- **"WSU Molecular Plant Sciences: Virtual Facility Tour" Posted on 2/26/21 with 613 views. This is a COVID-19 recruitment video that we put together for the Molecular Plant Sciences Graduate Program at Washington State University (https://www.youtube.com/watch?v=HlAv6HQB400)**
- **A Grass is Good video about our first field day at the new WSU Grass Breeding and Ecology Farm. Posted on 6/16/22 with 272 views (https://fb.watch/foOEQg7HMg/)**
- **A Grass is Good video about Tufted Hair Grass breeding at WSU's Grass Breeding and Ecology Farm. Posted on 8/11/22 with 581 views (https://fb.watch/foOu2oe7Ji/)**
- **A Grass is Good video about Kentucky Bluegrass breeding at WSU's Grass Breeding and Ecology Farm. Posted on 8/25/22 with 448 views (https://fb.watch/foOwLsr5HD/)**
- **A Grass is Good video about Turfgrass Research at WSU's Grass Breeding and Ecology Farm. Posted on 7/31/23 with 56 views (https://www.facebook.com/wa.grassisgood/videos/1443766316457311)**
- **A Grass is Good video about Turfgrass Research at WSU's Grass Breeding and Ecology Farm. Posted on 7/26/23 with 45 views (https://www.facebook.com/wa.grassisgood/videos/572920904832357)**
- **A Grass is Good video about Turfgrass Research at WSU's Grass Breeding and Ecology Farm. Posted on 7/17/23 with 56 views (https://www.facebook.com/wa.grassisgood/videos/611500021072393)**
- **WSU researchers aiming to replace artificial turf with real grass. Aired on prime-time KING5 News 6/30/24. This is a video news piece written and produced by KING5 Meteorologist Leah Pezzetti (https://www.king5.com/article/tech/science/environment/wsu-researchers-aiming-replace-artificial-turf-real-grass/281-a2eb989c-2520-4ade-a116-fb51b31310f2)**
- **Inside a Grass Seed Cleaning Facility. Aired on the Ask This Old House web site on 2/23/26. This is a video produced by Ask This Old House TV and Tom Scalisi with 7,400 views (https://www.youtube.com/watch?v=0VTjaZ-BZYc) (https://www.thisoldhouse.com/lawns/inside-a-grass-seed-cleaning-facility?fbclid=IwY2xjawQkAcVleHRuA2FlbQIxMQBzcnRjBmFwcF9pZBAyMjIwMzkxNzg4MjAwODkyAAEeAQ1TzFfyQQiJDUvqT8Kdb-5yBwkCMm8TjMvBL3dzrjOmnBeYUKSd3MwIvKQ_aem_0swh0hTvGDkRBFtRBhDE5Q)**

Published Photographs:

- **Viburnum at Tennent Lake Fragrance Garden 2/21/25. This photo was published in the Bellingham WA area Hamster Wheel Newsletter (https://www.bellinghamsterwheel.com/p/millworks-2-design)**

- **Witch Hazel at Hovander Homestead 2/24/25. This photo was published in the Bellingham WA area Hamster Wheel Newsletter (https://www.bellinghamsterwheel.com/p/wild-women)**