

SELECTED PUBLICATIONS

15 publications, 6 first author publications, H-index of 8

- Schmiege, S.C.**, Walker, B.J., Sharkey, T.D. (2024) Using gas exchange to study CO₂ release during photosynthesis with steady- and nonsteady-state approaches. In: Walker, B.J., ed. *Photorespiration: Methods and Protocols*. Methods in Molecular Biology Series 2792, New York, NY: Humana Press, 143 – 162.
- Xu, Y., **Schmiege, S.C.**, Sharkey, T.D. (2024) The oxidative pentose phosphate pathway in photosynthesis: A tale of two shunts. *New Phytologist*. DOI: 10.1111/nph.19730
- Schmiege, S.C.**, Sharkey, T.D., Walker, B., Hammer, J., Way, D.A. (2023) Laisk measurements in the non-steady state: Tests in plants exposed to warming and variable CO₂ concentrations. *Plant Physiology*. DOI: 10.1093/plphys/kiad305
- Schmiege, S.C.**, Heskell, M., Fan, Y., Way, D.A. (2023) It's only natural: Plant respiration in unmanaged systems. *Plant Physiology*. DOI: 10.1093/plphys/kiad167
- Schmiege, S.C.**, Griffin, K.L., Boelman, N., Vierling, L.A., Bruner, S., Min, E., Maguire, A.J., Jensen, J., Eitel, J.U.H. (2022) Vertical gradients in photosynthetic physiology diverge at the latitudinal range extremes of white spruce. *Plant, Cell & Environment*. DOI: 10.1111/pce.14448
- Griffin, K.L., Griffin, Z.M., **Schmiege, S.C.**, Bruner, S.G., Boelman, N.T., Vierling, L.A., Eitel, J.U.H. (2022) Variation in white spruce needle respiration at the species range limits: a potential impediment to northern expansion. *Plant, Cell & Environment*. DOI: 10.1111/pce.14333
- Schmiege, S.C.**, Buckley, B.M., Stevenson, D., Heskell, M.A., Cuong, T., Nam, L., Griffin, K.L. (2021) Respiratory temperature responses of tropical conifers differ with leaf morphology. *Functional Ecology*. DOI: 10.1111/1365-2435.13814
- Schmiege, S.C.**, Buckley, B.M., Stevenson, D., Cuong, T., Nam, L., Griffin, K.L. (2020) Contrasting physiological traits of shade tolerance in *Pinus* and Podocarpaceae native to a tropical Vietnamese forest: Insight from an aberrant flat-leaved pine. *Tree Physiology*. DOI: 10.1093/treephys/tpaa123

SELECTED PRESENTATIONS

- Schmiege, S.C.**, Griffin, K.L., Sharkey, T.D., Way, D.A. *Thermal acclimation of photosynthesis in an Arctic shrub exposed to six year of warming*. Plant Biology Annual Meeting, June 2024.
- Schmiege, S.C.**, *Ecophysiological constraints of Arctic treeline*. Institute of Global Change Biology, University of Michigan. February 2024.
- Schmiege, S.C.**, *Physiological mechanisms of conifer persistence in the tropics*. Ecological Society of America Annual Meeting. August 2023.
- Schmiege, S.C.**, *Living at the edge: physiological mechanisms constraining conifer distributions*. Torrey Botanical Society. November 2021.
- Schmiege, S.C.**, *Coniferous Conundrums: The Curious Case of a Tropical Conifer*. 7th Annual Symposium of the Metropolitan Society of Natural Historians (hosted in conjunction with the Science Research Mentoring Program, American Museum of Natural History). March 2019.