IAN GILMAN

Dept. of Ecology and Evolution, Yale University ∘ 165 Prospect St. ∘ New Haven, CT 06511
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EDUCATION

Yale University — May 2017–Present
PhD. student, Ecology and Evolutionary Biology — *New Haven, CT*

University of Idaho — May 2017
M.S., Biological Sciences — *Moscow, ID*
Advisor: Dr. David Tank

Bucknell University — May 2015
B.S., Physics — *Lewisburg, PA*
Minors: Biology & Mathematics
Research Advisor: Dr. Chris Martine (Department of Biology)

PUBLICATIONS

Gilman, Ian S., Tank, David C. 2018. Species Tree Estimation using ddRADseq Data from Historical Specimens Confirms the Monophyly of Highly Disjunct Species of *Chloropyron* (Orobanchaceae). Systematic Botany. *Accepted*.

TEACHING AND MENTORSHIP

Graduate teaching fellow | Yale University — 2017–present
Courses: Ecology and Evolutionary Biology, Plants and People, Plant Diversity

Graduate teaching assistant | University of Idaho — 2015–2017
Courses: Form and Function, Computational Skills for Biologists, Advanced Field Botany

Mentor for undergraduate field assistant — 2016
Mentored field assistant Nicolas Diaz (Bucknell University) in plant identification, taxonomy, and specimen collection and preparation

Preparing Leaders and Nurturing Tomorrow's Scientists (PLANTS) Mentor — 2016
Mentor to undergraduate student at BSA's Botany 2016 conference, Savannah, GA

Scientist mentor | Planting Science (plantingscience.org) — 2016–Present
Encourage and guide students as they create plant-based experiments

Undergraduate teaching assistant | Bucknell University — 2012–2015
Courses: Classical and Modern Physics I, Classical and Modern Physics II

PUBLISHED ABSTRACTS, PRESENTATIONS, AND POSTERS

Gilman, Ian S., Edwards, Erika J. 2018. Distinguishing CAM photosynthesis with machine learning. Botany 2018. Rochester, WI. (Presentation, presenting author).

Gilman, Ian S., Lillian P. Hancock, Elissa Martin, Zachary R. Lewis, Erika J. Edwards. Changes in gene expression during CAM induction in a C_4-CAM plant. CAM Conference, Phoenix, AZ, April 8-14, 2018. (Poster, presenting author).

Gilman, Ian S., Tank, David C. Sensitivity of quartet-based species tree methods to missing data. Evolution, Portland, OR, June 23-277, 2017. (Presentation, presenting author)

Gilman, Ian S., Tank, David C. Old plants, new SNPs: phylogenetics of *Cordylanthus* (Orobanchaceae) from herbarium vouchers using ddRADseq. iBEST Science Expo, Moscow, ID, October 7, 2016. (Poster, presenting author)

Gilman, Ian S., Tank, David C. Comparative phylogenetics of niche condition in *Cordylanthus* and *Pseudocordylanthus* (Orobanchaceae). Botany 2016, Savannah, GA, July 30-August 3, 2016. (Presentation, presenting author)

Jordon-Thaden, Ingrid, **Gilman, Ian S.**, Uribe-Convers, Simon, Chamala, Srikar, Tank, David, Martine, Chris. Selection and validation of transcriptome-mined intronic primers for Fluidigm PCR and Illumina sequencing. Botany 2015, Edmonton, Alberta, Canada, July 27-30, 2015. (Presentation)

Gilman, Ian S., Jordon-Thaden, I., and Martine, C. Vague species boundaries exposed: Reproductive biology of functionally dioecious sister taxa in Australian Solanum. Botany 2014, Boise ID, July 26-30, 2014. (Poster, presenting author)

Martine, C., Anderson, Gregory J., Jordon-Thaden, I., and **Gilman, Ian S.**. 2014. Leakiness may be an insurance policy for functionally dioecious Solanum of oceanic and terrestrial islands. Botany 2014, Boise ID, July 26-30, 2014. (Presentation)

Gilman, Ian S., Jordon-Thaden, I., and Martine, C. Vague species boundaries exposed: Reproductive biology of functionally dioecious sister taxa in Australian Solanum. Sigma Xi Student Research Symposium, Bucknell University, Lewisburg PA, July 2, 2014. (Poster, presenting author)

HONORS AND AWARDS (LAST 24 MONTHS)

University of Idaho Department of Biological Sciences Departmental Fellowship	2016
University of Idaho Graduate and Professional Student Travel Grant	2016
Botanical Society of America Graduate Student Research Award	2016
American Society of Plant Taxonomist Rogers McVaugh Graduate Student Research Award	2016
National Science Foundation Graduate Student Research Fellowship Honorable Mention	2016
Stillinger Herbarium Expedition Funds: "Phylogenetics of niche condition in Castillejineae (Orobanchaceae)"	2016

PROFESSIONAL SOCIETIES AND ORGANIZATIONS

Planting Science (plantingscience.org)	2016–Present
Preparing Leaders and Nurturing Tomorrows Scientists (PLANTS)	2016–Present
Society for Systematic Biologists (SSB)	2016–Present
American Association for the Advancement of Science (AAAS)	2016–Present
Botanical Society of America (BSA)	2013–Present
Torrey Botanical Society	2013–Present
American Society of Plant Taxonomists (ASPT)	2013–Present
Sigma Xi Scientific Research Society	2013–Present