WILLIAM J. MARTIN, Ph.D.

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**EDUCATION**

2002 Ph.D. Plant Breeding and Plant Genetics, University of Wisconsin-Madison, Madison, Wisconsin

2000 M.S. Plant Breeding and Plant Genetics, University of Wisconsin-Madison, Madison, Wisconsin

1997 B.S. Biology and Chemistry, St. Norbert College, De Pere, Wisconsin

**ACADEMIC APPOINTMENTS**

2023-present Assistant Professor of Biology Northern Illinois University, DeKalb, IL

2016-2023 Assistant Professor of Biology Aurora University, Aurora, IL 2017-2020 Chair, Biology and Health Science Aurora University, Aurora, IL

2015-2016 Adjunct Instructor of Biology Aurora University, Aurora, IL

2016 Adjunct Instructor of Biology Benedictine University, Lisle, IL

**TEACHING EXPERIENCE**

BIO 1210/Z Biology of Cells Lecture and Laboratory, BIO 1220/Z Biology of Organisms Lecture and Laboratory, BIO 2200 Humans and the Environment, BIO 2280 Microbiology and Laboratory, BIO 2350/Z Introduction to Botany Lecture and Laboratory, BIO 3260 Systematic Botany Lecture and Laboratory, BIO 3270 Plant Physiology Lecture and Laboratory, BIO 3370 Conservation Biology Lecture and Laboratory, BIO 3400 Genetics, BIO 3450 Advanced Cellular Biology, BIO 3530 Evolution, IDS 3500/3550 Junior Mentoring Program, BIO 3970 Research in Biology, BIO 4990 Senior Capstone in Biology, NSM 6430 Biochemical Applications in Technology

**PROFESSIONAL EXPERIENCE**

**Aug. 2023-present, Assistant Professor of Biology:** Northern Illinois University. Created and

 facilitated delivery of biological content in support of diverse education paths. Supported

 university and departmental efforts for internal assessment and improvement plans.

**Jan. 2019-present, Co-Owner** (part-time). Iris Meisters, LLC. Elburn, IL. Licensed, state-inspected,

 bearded iris farm specializing in propagating, growing, and selling through an online business.

**Oct. 2022-Apr. 2023 Substitute High School Teacher:** DeKalb 428, Sandwich 430, Yorkville 115.

 Facilitate staff absences and classroom management to support student learning.

**Aug. 2016-May 2023, Assistant Professor of Biology:** Aurora University. Created and facilitated

 delivery of biological content in support of diverse education paths. Supported university and

 departmental efforts for internal assessment and improvement plans.

**Jan.-Dec. 2015, Plant Science Consultant** (part-time): Revolution Sciences / ICC Holdings, LLC., Downers Grove, IL. Designed plant breeding and plant tissue culture programs and facilities.

**Nov. 2004-Oct. 2014 Senior Plant Breeder:** Ball Horticultural Company**,** West Chicago, IL

Responsible for developing new varieties of ornamental plants using classical breeding and advanced technologies. Collaborated extensively with international and domestic teams to produce and position market-leading products recognized in major market categories.

**Jan. 2003-Oct. 2004 Post-Doctoral Research Associate,** USDA Agricultural Research Service:

Madison, WIResponsible for utilizing molecular tools for gross and fine syntenic comparisons

 between onion (*Allium cepa*) and rice (*Oryza sativa*) genomes.

**LICENSURE and CREDENTIALS**

ISBE – Substitute Teaching License, August 2022

ICTS – 239 – Science: Biology, August 2022

**RECENT PRESENTATIONS**

Cultural Immersion in Monarchs and Milkweeds, UIC, July 2022

National Association of Biology Teachers (NABT) Conference, November 2020, 2021

ACCA Teaching and Learning Symposium, November 2020, 2021

Aurora University Institutional Review Board workshop, March 2021, April 2022

Aurora University Teaching and Learning Faculty Symposium, March 2021

AAC&U Conference, November 2020

RISE Conference, Eastern Illinois University, October 2020

**SELECTED CONFERENCES**

Association of American Colleges and Universities (AAC&U), 2020

Associated Colleges of the Chicagoland Area (ACCA) Teaching and Learning Conference, 2020, 2021

National Association of Biology Teachers (NABT), 2017, 2019, 2020, 2021

**ACADEMIC ACTIVITIES, TRAINING, and PROFESSIONAL AFFILIATIONS**

Culturally Relevant Teaching Workshop, CIM2AS, Monarchs and Milkweeds, UIC, 2021, 2022

Institutional Review Board, Aurora University, academic years 2020 – 2022

National Association of Biology Teachers member, 2017 **–** present

Master Urban Farming Training Program, University of Illinois Extension, Summer 2018

CURE workshop at National Association of Biology Teachers, October 2017

PULSE – ACCA workshop, hosted by the Morton Arboretum, June 2017

**SELECTED PUBLICATIONS**

Howard, N., N. De Leon, M.J. Havey, and W. Martin. 2012. Diallel analysis of floral longevity in *Impatiens walleriana*.  J. Amer. Soc. Hort. Sci. 137:47-50.

Martin, W., J. McCallum, M. Shigyo, J. Jakse, J.C. Kuhl, N. Yamane, K.C. Sink, C.D. Town, and M.J. Havey. 2005. Genetic mapping of expressed sequences in onion and in silico comparisons show scant colinearity with rice. Mol. Genet. Genomics 274:197-204.

Martin, W.J., and D.P. Stimart. 2005. Genetic analysis of advanced populations in *Antirrhinum majus* L. with special reference to cut flower postharvest longevity. J. Amer. Soc. Hort. Sci. 130:434-441.

Kuhl, J.C., F. Cheung, Q. Yuan, W.J. Martin, Y. Zewdie, J. McCallum, A. Catanach, P. Rutherford, K.C. Sink, M. Jenderek, J.P. Prince, C.D. Town, and M.J. Havey.2004. A unique set of 11,008 onion expressed sequence tags … between the monocot orders Asparagales and Poales.Plant Cell 16:114-125.