

Amanda L. Ingram
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Wabash College
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APPOINTMENTS

- 2021-present Chair of Division I, Natural Sciences and Mathematics
Wabash College, Crawfordsville, Indiana, USA
- 2021- present Norman E. Treves Professor of Biology
Wabash College, Crawfordsville, Indiana, USA
- 2019-2021 Program Director, Division of Environmental Biology
National Science Foundation, Alexandria, Virginia, USA
- 2018-present Professor of Biology
Wabash College, Crawfordsville, Indiana, USA
- 2012-2017 Chair of Biology Department
Wabash College, Crawfordsville, Indiana, USA
- 2010-2018 Associate Professor of Biology
Wabash College, Crawfordsville, Indiana, USA
- 2010-present Research Associate
Rancho Santa Ana Botanic Garden, Claremont, California, USA
- 2004-2010 Assistant Professor of Biology
Wabash College, Crawfordsville, Indiana, USA

EDUCATION

- 2004 Cornell University; Ithaca, New York, USA
Ph.D. in Plant Biology with a concentration in Plant Systematics
Minors: Plant Molecular Biology and Plant Breeding
- 1998 The College of William and Mary; Williamsburg, Virginia, USA
B.S. in Biology and Environmental Science (double major), *Summa Cum Laude*

PUBLICATIONS

- Drury, S.A.M., A.G. Bost, L.M. Wysocki, **A.L. Ingram**. 2018. Encouraging science communication through deliberative pedagogy: a study of a gene editing deliberation in a nonmajors biology course. *Journal of Microbiology & Biology Education* 19 (1): 1-8.
- Fisher, A.E., K.M. Hasenstab, H. Bell, E. Blaine, **A.L. Ingram**, J.T. Columbus. 2016. Evolutionary history of chloridoid grasses estimated from 122 nuclear loci. *Molecular Phylogenetics and Evolution* 105: 1-14.
- Duvall, M.R., J.T. Columbus, A.E. Fisher, **A.L. Ingram**, W.P. Wysocki, S.V. Burke, L.G. Clark, S.A. Kelchner. 2016. Phylogenomics and plastome evolution of the chloridoid grasses (Chloridoideae: Poaceae). *International Journal of Plant Sciences* 177 (3): 235-246.

Wysocki, W.P., L.G. Clark, S.A. Kelchner, S.V. Burke, J.C. Pires, P.P. Edger, D.R. Mayfield, J.K. Triplett, J.T. Columbus, **A.L. Ingram**, M.R. Duvall. 2014. A Multi-Step Comparison of Short-Read Full Plastome Sequence Assembly Methods. *Taxon* 63 (4): 899-910.

Bell, H. L., J.T. Columbus, and **A.L. Ingram**. 2013. *Kalinia*, a new North American genus for a species long misplaced in *Eragrostis* (Poaceae, Chloridoideae). *Aliso* 29: 85-95.

Grass Phylogeny Working Group II. 2012. New grass phylogeny resolves deep evolutionary relationships and discovers C₄ origins. *New Phytologist* 193: 304-312.

Ingram, A.L., P.A. Christin, and C. P. Osborne. 2011. Molecular phylogenies disprove an hypothesized C₄ reversion in *Eragrostis walteri* (Poaceae: Chloridoideae). *Annals of Botany* 107 (2): 321-325.

Ingram, A. L. 2010. Evolution of leaf blade anatomy in *Eragrostis* (Poaceae). *Systematic Botany* 35 (4): 755-765.

McKain, M. R., M. A. Chapman, and **A.L. Ingram**. 2010. Confirmation of the hybrid origin of *Eupatorium x truncatum* (Asteraceae) using nuclear and plastid markers. *Castanea* 75 (3): 381-387.

Ingram, A. L. and J. J. Doyle. 2007. *Eragrostis* (Poaceae): monophyly and infrageneric classification. *Monocots: Comparative Biology and Evolution, Poales*, J.T. Columbus, E. A. Friar, J.M. Porter, L.M. Prince, and M.G. Simpson (eds), pp.595-604.

Ingram, A. L. and J. J. Doyle. 2004. Is *Eragrostis* (Poaceae) Monophyletic? Insights from Nuclear and Plastid Sequence Data. *Systematic Botany* 29: 545-552.

Ingram, A. L. and J. J. Doyle. 2003. The origin and evolution of *Eragrostis tef* (Poaceae) and related polyploids: evidence from nuclear *waxy* and plastid *rps16*. *American Journal of Botany* 90: 116-122.

Ingram, A.L. and J.J. Doyle. 2000. Polyploid origin of *Eragrostis tef* (Poaceae): Preliminary data from the *waxy* locus, pp. 59-66. In H. Tefera, G. Belay, and M. Sorrells, eds., *Narrowing the Rift: Tef Research and Development*, Ethiopian Agricultural Research Organization.

EXTERNAL FUNDING

- 2017 Indiana Humanities Quantum Leap grant (co-PI with Sara Drury): "Cultivating Our Gardens"; \$4,000
- 2013 GLCA New Directions Initiative grant: "Mutual Benefits: Using Orchid / Fungal Mutualisms to Enhance Student / Faculty Collaborative Research"; \$5,817
- 2009 National Science Foundation research grant: "Collaborative Research—Branching in Chloridoid Grasses: Phylogeny and Inflorescence Diversification" to J. Travis Columbus (Rancho Santa Ana Botanic Garden) and A. L. Ingram; \$217,803 to Wabash College
- 2001 National Science Foundation Doctoral Dissertation Improvement Grant; \$10,000
- 2000 American Society of Plant Taxonomists Research Grant for Graduate Students
- 1999 National Science Foundation Graduate Research Fellowship

INTERNAL FUNDING

- 2022 Wabash Public Policy Project Course Design Fellowship: "Putting the Public Policy in BIO 102, Plants and Human Affairs"
- 2008 *Know Indiana* faculty-student research grant: "Floristic Survey and Vegetation Monitoring at Walnut Fork Wildlife Refuge"
- 2008 Wabash College Faculty Development Grant—field work in Australia
- 2000 Mario Einaudi Center for International Studies Travel Grant

- 2000 Cornell International Institute for Food, Agriculture, and Development Grant
- 2000 Institute for African Development Travel Grant
- 2000 L.H. Bailey Hortorium Moore/Mellon Fund Travel Award
- 2000 Cornell University Conference Travel Grant
- 1998 Andrew W. Mellon Fellowship in Systematic Botany
- 1998 Cornell University Graduate School Fellowship
- 1997 Mary Ferguson Research Grant

SELECTED RESEARCH PRESENTATIONS

- 2016 “Deliberation on Campus and in the Community: Undergraduate Research, Interdisciplinary Learning, and Civic Engagement”, CUR Biennial Panel Presentation (with S. Drury, L. Wysocki & I. Empson)
- 2015 “The World is My Lab”: Wally in the Lab colloquium, Wabash College
- 2012 “The Evolution of the Lovegrasses (*Eragrostis*): DePauw University
- 2011 “Progress Toward Understanding the Evolution of *Eragrostis*”: South African National Biodiversity Institute invited seminar
- 2010 “Molecular phylogenies falsify an hypothesized C₄ reversion in *Eragrostis walteri*”, Botany 2010
- 2009 “My Journey to Oz”: Wabash College, Ides of August
- 2009 “Progress Toward Understanding the Evolution of *Eragrostis*”: Botany & Mycology 2009
- 2008 “Evolution of Leaf Blade Anatomy in *Eragrostis*”: Botany 2008
- 2008 “Kranz Anatomy Variation in *Eragrostis*: Implications for Systematics and Biochemistry”: Biology Department Seminar Series, Wabash College
- 2006 “Evolutionary History and Patterns of Photosynthetic Modifications in *Eragrostis* (Poaceae)”: Wabash College, Ides of August
- 2005 “Systematics and Polyploid Evolution in *Eragrostis* (Gramineae)”: Purdue University Department of Biological Sciences seminar series, West Lafayette, IN
- 2004 “What’s Lovegrass Got to Do With It?”: Rancho Santa Ana Botanic Garden seminar series, Claremont, CA
- 2003 Monocots III/Grasses IV, Ontario, CA
Oral presentation: “The monophyly of *Eragrostis*: insights from plastid and nuclear DNA sequence data”
- 2000 International Workshop on Tef Genetics and Improvement
Oral presentation: “Polyploid origin of *Eragrostis tef*: preliminary evidence from the *waxy* locus”

RESEARCH PRESENTATIONS BY WABASH COLLEGE STUDENT INTERNS

- 2015 Luke Gunderman, Charles Mettler, and Amanda L. Ingram. Indiana Orchids and their Mycorrhizae. Hays Hall Poster Session, Celebration of Undergraduate Research, Wabash College
- 2013 Wesley R. Hauser and Amanda L. Ingram. Evolution of Inflorescence Morphology in *Eragrostis* (lovegrass). Hays Hall Poster Session, Celebration of Undergraduate Research, Wabash College
- 2011 Patrick C. Garrett and Amanda L. Ingram. The utility of the plastid *trnC-rpoB* locus in resolving phylogenetic relationships in *Eragrostis* (Poaceae). Botany 2011.
- 2010 Patrick C. Garrett and Amanda L. Ingram. “Utility of plastid *trnC-rpoB* in resolving phylogenetic relationships in *Eragrostis*”. Hays Hall Poster Session, Celebration of Undergraduate Research, Wabash College
- 2010 Peter W. Guiden and Amanda L. Ingram. “Phylogenetics of *Ectrosia* (Poaceae)”. Hays Hall Poster Session, Wabash College
- 2008 Jason Allen and A. L. Ingram. “Analysis of Variation in Leaf Blade Anatomy of *Eragrostis cilianensis*”; Hays Hall poster session, Wabash College
- 2008 Graham Johnson and A. L. Ingram. “Floristic survey and vegetation monitoring of Walnut Fork Wildlife Refuge”; Hays Hall poster session, Wabash College

- 2007 Michael R. McKain and A. L. Ingram. "Confirmation of Hybrid Origin of *Eupatorium x truncatum* Using DNA Sequence Data"; Botany 2007 Poster Presentation
- 2006 Benjamin Abratigue, Andrew Hoffman, and A. L. Ingram. "Floristic Survey of Allee Woods"; Celebration of Undergraduate Research, Wabash College

ADDITIONAL STUDENT RESEARCH INTERNS

Clay Conner (Fall 2005-Spring 2006), Filip Drambarean (Summer 2006), Anthony GiaQuinta (Spring 2005), Patrick Miller (Summer 2005), Benjamin Tritle (Summer 2006)

TEACHING EXPERIENCE

- 2004-2019 Wabash College
 BIO 101—Human Biology
 BIO 102—Plants and Human Affairs
 BIO 111—General Biology I
 BIO 112—General Biology II
 BIO 224—Biology of the Vascular Plants
 BIO 351—Evolution of Populations
 BIO 371—Evolution of Crop Plants
 BIO 371—Plants and Climate Change
 BIO 401—Senior Seminar (Polyploid Genome Evolution)
 Cultures and Traditions II
 Freshman Tutorial (*The New Yorker*)
- 2000-2001 Teaching Assistant, Taxonomy of Vascular Plants (BIOPL 248), Cornell University
- 1998 Undergraduate Teaching Assistant, Botany laboratory, College of William and Mary

COLLEGE SERVICE AND COMMUNITY INVOLVEMENT

- 2018-2019 Academic Policy Committee
- 2021-2018-2015-2017 Faculty visitor to Wabash College Board of Trustees
- 2015-2019 Faculty representative to Wabash College Board of Trustees College Life Committee
- 2007-2009, 2015-2017 Lilly Scholarship Selection Committee
- 2005-2017 Discussion Leader for Senior Colloquium—*Aura* by Carlos Fuentes, *After the Quake* by Haruki Murakami (x3), *view with a grain of sand* by Wisława Szymborska, *Lolita* by Vladimir Nabokov, *The Unbearable Lightness of Being* by Milan Kundera
- 2014-2015 Undergraduate Research / Ides of August Committee
- 2005, 2009, 2015 Biology seminar series coordinator
- 2014 Chapel talk: "How many species have *you* eaten today?"
- 2013 Dean of the College search committee
- 2011-2013 New Faculty Orientation co-coordinator
- 2011-2014 Fringe Benefits Committee
- 2011-2014 Dill Grant Committee
- 2008-2010 Admissions Committee (co-chair 2009-2010)
- 2008-2009 First Year Experience Working Group
- 2007-2008 Strategic Planning subcommittee
- 2007-2009 Committee on Committees
- 2007-2008 Phi Beta Kappa book group
- 2007 Quality of Life committee
- 2007 First Year Experience Study Group
- 2007 Trippet Creative Works selection committee
- 2006-2007 Undergraduate Research Celebration committee

2006 Cultures and Traditions Science Module working group
2005-2007 Teaching and Learning Committee (chair 2006-2007)
2005-2007 Faculty Film Committee
2005-2008 Cole Lecture Series coordinator
2005 Participant in *Don Quixote* celebration
2005 Chapel Talk: "Being An Other"
2004 Participant in CILA-sponsored workshop on integrating case-based learning in Human Biology (BIO 101)

PROFESSIONAL SOCIETIES

American Society of Plant Taxonomists
Botanical Society of America

PROFESSIONAL ACTIVITIES

Taxonomic Editor for *Eragrostis* treatment in the Checklist of the Grasses of India (Kellogg, et al. 2020)

Systematics Section Chair and Council Member, Botanical Society of America, 2016-2018

Manuscript reviews for: *American Journal of Botany*, *Molecular Phylogenetics and Evolution*, *Systematic Botany*, *Taxon*, *Journal of the Botanical Research Institute of Texas*, *Proceedings of the Indiana Academy of Sciences*, *Castanea*, *Flora of India*, *Nordic Journal of Botany*

National Science Foundation grant proposal review panels (2010, 2012, 2014, 2016, 2017) and *ad hoc* reviewer

External reviewer for Departmental Reviews
2013: Augustana College
2013: Illinois College

AWARDS & HONORS

2002 Botany 2002 Genetics Section award for Best Poster
1998 U.S. National Park Service STAR Award
1997 Phi Beta Kappa
1996 Phi Sigma
1996 James A. Bill Scholarship
1995 Phi Eta Sigma
1995 Golden Key
1994 College of William and Mary Monroe Scholar