

CURRICULUM VITAE: ROBERT JOEL DUFF

Department of Biology

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EDUCATION

1995. Ph.D. – Molecular systematics and study of

two closely related species of *Isoetes* L. from the southern Appalachians.

Advisor: Dr. A. Murray Evans.

1989. B.S. Biology. Calvin

Dr. R. Joel Duff – Summer 2010 CV

- 2008 2011 – NSF:DEB “Maintenance of androdioecy in metapopulations: Emperical tests using a temperty pool freshwater crustacean. \$424,566. Submitted 01/24/2008 Weeks PI, Duff co PI
- 2009 2012 – NSF:DEB “Maintenance of androdioecy in metapopulations: Emperical tests using a temperty pool freshwater crustacean. \$398,955. Submitted 07/06/07 Weeks PI, Duff co PI
- 2008 2011 – NSF:ARC “Impacts of Climate Change and Ice Conditions on Microbial Food Web Dynamics in the Barents Sea. \$873,975. Submitted 11/13/2007, Lavrentyev PI, Duff co PI
- 2007 2010 – NSF:DEB “Maintenance of androdioecy in metapopulations: Emperical tests using a temperty pool freshwater crustacean.” \$396,015. Submitted 12/19/2006 Weeks PI, Duff co PI
- 2007 1020 – NSF:ARC “Collaborative Research: Impacts of Climate Change and Ice Conditions on Microbial Food Web Dynamics in the Barents Sea.” \$611.095. Submitted 12/15/06, Lavrentyev PI, Duff co PI
- 2007 2010 – NSF:DEB “Mainten28c8003fj/TT101Tf0.22750TD0.0019Tcs0TD0TT9e1jj/TT101Tf8750TD0.00021(Lavrentyev)Tj/TT

15. Nickrent, D. L, Parkinson, Palmer, and **R. J. Duff**. 2000. Multigene phylogeny of plants: hornworts are basal and mosses are sister to liverworts. *Molecular Biology Evolution*. 17(12):1885-1895.

14. Wood, A. J., **R. J. Duff**, and M. J. Oliver. 2000. The translational apparatus of *Tetrahymena*. *Journal of Molecular Biology* 300:1-16. doi:10.1006/jmb.1999.3001

ABSTRACTS AND EDITED PAPERS (non refereed)

Edited Papers:

Duff, R. Joel, M. J. Oliver, and A. J. Wood. 1999. Nucleotide sequence of a truncated H3 histone cDNA (Accession No. AF093108) from the desiccation tolerant Bryophyte *Tortula ruralis* (PGR99 014), Plant Physiology 119:805.
Subunit 2

Wood A. J and **R. J. Duff**. 1999. Subunit V (*PsaG*) of the Photosystem I reaction center (Accession No. AF157017) from desiccated *Tortula ruralis* (PGR99 140). Plant Physiology 121:113

DOI:10.0005T!0021Tc(1t(PI2340TD0Tc0003Tj/T)Tj/T)atomic/TT91Tf3.5744.6040.0005T.0021Tc(1t(PI2340TD0Tc0003Tj/TTc(S

PRESENTATIONS

Invited symposium presentations:

Progress and challenges in reconstructing hornwort phylogeny. July 22. 2005 XVII International Botanical Congress, Vienna Austria.

Wolf, P. G. and R. J. Duff. August 2005. RNA editing in land plant organellar genomes and its effect on phylogenetic analysis. Invited symposium talk, Annual Meeting of the Botanical Society of America, Austin TX.

Molecular and morphological diversification in the hornworts, an ancient land plant lineage. Sept 6, 2003. Molecular biology of bryophytes symposium. Missouri Botanical Garden, Annual Botanical Symposium, St. Louis Missouri.

Mitochondrial Small Subunit rRNA (19S) Sequence of *Platyneura* sp. ATCC 15211. J. Mol. Biol. 1991; 211: 359-370.

Sept of

Allozyme electrophoresis and the taxonomy of two closely related taxa of *Isoetes* in the southern Appalachians.
The Association of Southeastern Biologists, Knoxville TN, 1992.

Workshops Attended:

NSF Microbial Observatory Workshop – September 2004, Big Sky, MT

SERVICE:

INVITED SEMINARS

- 1994. September. Calvin College, Grand Rapids, MI, Department of Biology
- 1995. February. Eastern Kentucky University, KY, Division of Biology
- 1995. February. Old Dominion University, VA, Department of Biology
- 1995. August. Southern Illinois Molecular Biology Symposium
- 1997. January. Hope College, MI. Department of Biology
- 1997. February. University of Tennessee. Department of Botany
- 1997. October. Southern Illinois University. Department of Plant Biology.
- 1998. February. West Chester University, PA, Department of Biology
- 1998. March. Trinity University, TX, Department of Biology
- 1999. February. Eastern Illinois University, Department of Biological Sciences
- 1999. February. University of Akron, Department of Biology
- 1999. December, University of Akron, Department of Biology
- 2000. January, Kent State University, Department of Biological Sciences
- 2002. May, The Ohio State University, Department of Ecology and Evolution
- 2003. October, Kent State University, Department of Biological Sciences
- 2003. November, University of Akron, Department of Biology
- 2005. October, John Carroll University, Department of Biology
- 2009. November, University of Pittsburgh, Department of Biology

PRESENTATIONS (last 5 years)

- 2004. October, University of Akron "ecolunch" talk. "Oil Crisis? Economists vs Geologists"
- 2005. April, University of Akron "ecolunch" talk. "Morphological Diversity and Evolution of Hornworts"
- 2005. September. University of Akron "ecolunch" talk. "Hurricane Potpourri: oil, prediction modeling and global warming"
- 2008. March, University of Akron "ecolunch" talk. "aDNA Lessons in Success and Failure"
- 2008. September, University of Akron "ecolunch" talk. "Peak Oil: 4 years later"