

Timothy J. Guiher

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History
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Education:

Hiram College
BA, Biology, 2005
City University of New York
M.Phil, Biology, 2009
PhD, Biology, 2011

Professional Experience

2005-2011 Adjunct Professor, Department of Biology, The College of Staten Island
2011 Adjunct Professor, Department of Biology, SUNY Ulster Community College

Adjunct reviewer for the following journals:

BMC Evolution
Ecography
Herpetologica
Journal of Biogeography
Molecular Ecology
Molecular Phylogenetics and Evolution

Teaching Experience

2005-2011 City University of New York, The College of Staten Island
General Biology 1 Non-Majors, Laboratory (3 semesters)
General Biology 1 Majors, Laboratory (5 semesters)
General Biology 2 Majors, Laboratory (6 semesters)

2011 State University of New York, Ulster County Community College
Anatomy and Physiology, Laboratory (1 semester)

Awards

2005-2007 City University of New York Science Fellowship
2005-2010 City University of New York Tuition Fellowship
2007 Theodore Roosevelt Memorial Grant
2008 CUNY Grant Competition #4

Publications:

Burbrink, F. T., F. M. Fontanella, R. A. Pyron, T. J. Guiher and C. Jimenez., 2008
Phylogeography across a continent: the evolutionary and demographic history of the
North American Racer (Serpentes: Colubridae: *Coluber constrictor*). *Molecular
Phylogenetics and Evolution*. 47(1): 274-288.

- Burbrink, F.T., H. Yao, M. Ingrasci, R. Bryson, T.J. Guiher & S. Ruane., 2011 Speciation at the Mogollon Rim in the Arizona Mountain Kingsnake (*Lampropeltis pyromelana*). *Molecular Phylogenetics and Evolution*. 60(3): 445-454.
- Guiher, T. J., Burbrink F. T., 2008 Demographic and Phylogeographic Histories of Two Venomous North American Snakes of the Genus *Agkistrodon*. *Molecular Phylogenetics and Evolution*. 48(2): 543-553.
- Pyron R.A., Burbrink F.T., Guiher T.J., 2008. Claims of potential expansion throughout the US by invasive python species are contradicted by ecological niche models. *Plos One*. 3(8), 1-7.
- Meshaka, W.E., Jr., S.D. Marshall, and T. Guiher. 2009. Snake assemblages in grasslands of Pennsylvania and northeastern Ohio. *Herpetological Bulletin*. 110:8-19.
- Meshaka, W.E., Jr., S.D. Marshall, and Timothy, J. Guiher. 2009. Seasonal activity and reproductive characteristics of an oldfield-grassland snake assemblage: implications for land management. *Herpetological Bulletin*. 105: pp. 35-40.
- Brandley, M., Guiher, T. J., Pyron, R.A., Winne, Burbrink, F.T. 2010. Does dispersal across an aquatic geographic barrier obscure phylogeographic structure in the diamond-backed watersnake (*Nerodia rhombifer*)? *Molecular Phylogenetics and Evolution*. 57: 552-560.

Presentation/ Published Abstracts

2006- Integrating niche modeling with phylogenies, Guest lecturer for New York Species Distribution Modeling Group, New York, NY

2006- Guiher TJ, Burbrink FT, Preliminary phylogeographic analyses of two *Agkistrodon* species, *Agkistrodon contortrix* and *Agkistrodon piscivorus*. Joint Meetings of Ichthyologists and Herpetologists, New Orleans, LA

2007- Guiher TJ, Burbrink FT, Phylogeographic patterns and the impact of glacial cycles on two species of *Agkistrodon*, *A. contortrix* and *A. piscivorus*. Joint Meetings of Ichthyologists and Herpetologists, St. Louis, MO

2008-Guiher TJ, Assessing the utility of nuclear markers to examine phylogeography of *Agkistrodon piscivorus*. Joint Meetings of Ichthyologists and Herpetologists, Montreal, Quebec.