

Biographical Sketch RONALD BONETT

(A) PROFESSIONAL PREPARATION

East Stroudsburg University (Pennsylvania)	Biological Sciences	B.S., 1998
East Stroudsburg University (Pennsylvania)	Biological Sciences	M.S., 2000
University of Texas at Arlington	Quantitative Biology	Ph.D., 2004
University of California, Berkeley	Amphibia Tree of Life	Postdoc, 2004 to 2006
University of Michigan	Neuroendocrinology	Postdoc, 2006 to 2007

(B) APPOINTMENTS

2007-Present Assistant Professor, Department of Biological Science, The University of Tulsa, Tulsa, OK

(C) PUBLICATIONS (* indicates student author)

i. Five Most Relevant Publications

1. Martin, S.D.*, Harris B.A.*, Collums J.R*, & Bonett, R.M. (2012). Life between predators and a small space: substrate selection of an interstitial space-dwelling stream salamander. *Journal of Zoology* **287**, 205-214.
2. Emel, S.L.* & R. M. Bonett. (2011). Considering alternative life history modes and genetic divergence in conservation: a case study of the Oklahoma salamander, *Conservation Genetics* **12**, 1243-1259.
3. Bonett, R.M., Steffen M.A.*, Trujano-Alvarez A.L., Martin S.D.*, McAllister, C.T., and Bursey, C.R. (2011). Distribution, intensity, and genetic diversity of *Clinostomum* metacercariae (Trematoda: Digenea), in a modified Ozark stream system. *Journal of Parasitology* **97**, 177-184.
4. Bonett, R.M., Hoopfer E.D.*, and Denver R.J. (2010). Molecular mechanisms of corticosteroid synergy with thyroid hormone during tadpole metamorphosis. *General & Comparative Endocrinology* **168**, 209-219.
5. Bonett, R.M. & Chippindale P.T. (2006). Streambed microstructure predicts evolution of development and life history mode in the plethodontid salamander, *Eurycea tynerensis*. *BMC Biology* **4**, 6.

ii. Five Other Significant Publications

1. Bonett, R. M., Hu F., Bagamasbad P.* & Denver R.J. (2009). Stressor and glucocorticoid-dependent induction of the immediate early gene Krüppel-like factor 9 (*KLF9*): implications for neural development and plasticity. *Endocrinology* **150**, 1757-1765.
2. Bonett, R.M., Chippindale P.T., Moler P.A., Vandevendar R.W. & Wake D.B. (2009). Evolution of gigantism in amphiumid salamanders. *PLoS ONE* **4**, 5.
3. Timpe, E.K.*, Graham, S.P.* & R. M. Bonett. 2009. Phylogeography of the brownback salamander reveals patterns of local endemism in southern appalachian springs. *Molecular Phylogenetics and Evolution* **52**, 368-376.
4. Bonett, R.M., Kozak K.H., Vieites D.R., Bare A.*, Wooten J.A.*, & Trauth S.E. (2007). The importance of comparative phylogeography in diagnosing introduced species: a lesson from the seal salamander, *Desmognathus monticola*. *BMC Ecology* **7**, 7.
5. Bonett, R.M. & Chippindale P.T. (2004). Speciation, phylogeography and evolution of life history and morphology in the salamanders of the *Eurycea multiplicata* complex. *Molecular Ecology* **13**, 1189-1203.

(D) SYNERGISTIC ACTIVITIES

- Individually trained ~25 graduate students and ~40 undergraduate students and technicians in molecular biology, phylogenetic, morphological, and/or field techniques (2001 to 2012)
- Peer-reviewed ~40 articles for more than 19 different scientific journals (2001 to 2012)
- Presented 7 departmental seminars and 6 talks at national meetings (2007 to 2011)
- Genomics & Bioinformatics workshop for high school and community college teachers (2011)
- Reproductive & Developmental Biology workshop for high school and community college teachers (2012)

(E) COLLABORATORS & OTHER AFFILIATIONS

i. Collaborators and Co-Editors

Bagamasbad, P; University of Michigan
Boorse, G; Mesa Community College
Borden, S; Bayer Healthcare Pharmaceuticals
Burse, C; Penn State University
Chippindale, P; University of Texas at Arlington
Denver, R; University of Michigan
Emel, S; Washington State University
Graham, S; Auburn University
Hoopfer, E; Stanford University
Hu, F; University of Michigan
McAllister, C; Eastern Oklahoma State College
Moler, P; Florida Dept of Wildlife Conservation
Seaholtz, A; University of Michigan
Swiderski, D; University of Michigan
Timpe, E; University of Connecticut
Trauth, S; Arkansas State University
Trujano-Alvarez, A; University of Tulsa
Van Devender, W; Appalachian State University
Wake, D; University of California, Berkeley
Wood, A; University of Michigan
Zeldich, M; University of Michigan
Ziera, T; Bayer Healthcare Pharmaceuticals

ii. Graduate Advisors and Postdoctoral Sponsors

Ph.D. Advisor: Chippindale, P; University of Texas at Arlington
Postdoctoral Advisor: Denver, R; University of Michigan
Master's Advisor: LaDuke, T; East Stroudsburg University
Postdoctoral Advisor: Wake, D; University of California, Berkeley
Postdoctoral Advisor: Wake, M; University of California, Berkeley

iii. Thesis Advisor and Postgraduate-Scholar Sponsor

Abel, N; University of Tulsa	Martin, S; University of Tulsa
Blair, A; University of Tulsa	Myers, K; University of Tulsa
Emel, S; Washington State University	Phillips, J; University of Tulsa
Goshi, S; University of Tulsa	Steffen, M; University of Tulsa
Mohammed, O; University of Tulsa	Timpe, E; University of Connecticut
Knutie, S; University of Utah	Vergese, B; Penn State University

Number of graduate students advised: 12; **Number of postdoctoral scholars sponsored:** 0