

## Curriculum Vitae

### James “Andrew” DeWoody

Depts. of Forestry & Natural Resources (FNR) and Biological Sciences (BIOL)

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#### Education

Postdoc	University of Georgia (UGA)	1997-2000	Genetics
Ph.D.	Texas Tech University (TTU)	1994-1997	Zoology
M.S.	Texas A&M University (TAMU)	1992-1994	Genetics
B.S.	Texas A&M University (TAMU)	1987-1991	Wildlife & Fisheries

#### Academic advisors

- John C. Avise (UGA)
- Robert J. Baker and Ronald K. Chesser (TTU)
- Loren C. Skow and Rodney L. Honeycutt (TAMU)

#### Appointments

- Associate Department Head, FNR, 2011-2014.
- University Faculty Scholar (Purdue University), 2009.
- Professor of Genetics (Purdue University), 2009-present.
- Visiting Professor (Cornell & SUNY Binghamton), 2008. *Sabbatical appointments.*
- Associate Professor of Genetics (Purdue University), 2005-2009.
- Assistant Professor of Genetics (Purdue University), 2001-2005.
- Research Assistant Prof., Institute of Environmental & Human Health, (TTU) 2000-2001.
- Graduate Research Assistant (Savannah River Ecology Laboratory, SC), 1995.
- USDA-Soil Conservation Service Wildlife Biologist (Snyder & Eagle Pass, TX) 1991-92.

#### Honors

- Elected Member of Sigma Xi (2016)
- Elected Fellow of the American Association for the Advancement of Science (2016)
- Recipient of Purdue University’s 2011 Agricultural Research Award. *“This Award is the highest honor given by the College of Agriculture’s Research Office and reflects exceptional contributions to the field of ecological and evolutionary genetics”. The award consists of a plaque, a \$1,500 honorarium from the Charles Guthrie Patterson Memorial Endowment and Matthew Morgan Hamilton Funds, and \$10,000 for research.*
- Recipient of 2011-2012 FNR Outstanding Graduate Educator Award
- Named a Purdue University Faculty Scholar, 2009. *“The University Faculty Scholars Program recognizes outstanding faculty members who are on an accelerated path for academic distinction. Faculty Scholars are appointed for a nonrenewable five year term and receive an annual \$10,000 discretionary allocation.”*
- Achievement Rewards for College Scientists (ARCS) Fellow 1995-1996 (\$5000 honorarium) and again in 1996-1997 (\$5000 honorarium)
- Distinguished Student Award for Academic Excellence, Texas A&M University 1991

## Research Interests

Evolutionary genetics; comparative genomics; molecular ecology and evolution; conservation biology; wildlife and fisheries management; natural history

## Teaching Experience

*Advanced Evolution Discussion*, 2012 & 2013

*Origin of Species*, 2013

*Conservation Genetics*, 2003-2019 (annually)

*Wildlife in America*, 2001

*Molecular Ecology and Evolution*, 2001-2014 (biannually)

*Wildlife Field Practicum*, 2001, 2003, 2017, 2018

*Introductory Biology* (U. Georgia), 2000

*Conservation Leaders for Tomorrow*, Max McGraw/WMI, 2008-present (annually)

## Advisees

### *Visiting Scientists*

1. Bulut, Zafer (2013-2014; also 2006-2008; Univ. Selcuk in Konya, Turkey)
2. Ruhl, Joe (2009, 2010; local high school teacher and winner of 2011-2012 Shell National Teaching Award for Best Science Teacher administered by National Science Teachers Association)
3. Nizamlioglu, Mehmet (2014-2015; Head of Biochemistry, Univ. Selcuk in Konya, Turkey)

### *Postdoctorates*

1. Belfiore, Natalia (2001-02; progressed to UC Berkeley)
2. Bos, David (2003-07; progressed to medical school)
3. Gopurenko, David (2004-2007; progressed to Research Officer with New South Wales Dept. of Industry and Investment in Australia)
4. Hale, Matthew (2007-2009; progressed to tenure-track Professor at Texas Christian Univ.)
5. Eo, Soo Hyung (2009-2011; progressed to tenure-track Professor at Kongju National Univ. in S. Korea)
6. Doyle, Jackie (2012-2016; progressed to tenure-track Professor at Towson University)
7. Bruniche-Olsen, Anna (2015-present)
8. Willoughby, Janna (2019-2019; progressed to tenure-track Professor at Auburn Univ.)
9. Black, Andrew (2019-present)

### *Ph.D. students*

1. Antonides, Jenny (2013-2018; progressed to postdoc at Purdue University)
2. Busch, Joe (2003-08; progressed to Assistant Director of Microbial Genetics & Genomics at Northern Arizona University)
3. Bylsma, Rian (2018-present; Andrews Fellow)

4. Fahey, Anna (2007-2013; progressed to tenure-track Professor at Missouri Southern State Univ.)
5. Heenkenda, Erangi (2019-**present**; Andrews Fellow)
6. Ji, Yanzhu (2010-2016; progressed to a postdoc at the Field Museum in Chicago)
7. Marra, Nicholas (2008-2013; NSF DDIG awardee; progressed to a postdoc at Cornell and now tenure-track Professor at Drury University)
8. Mathur, Samarth (2016-**present**)
8. Mularo, Andrew (2019-**present**; co-chaired with Dr. Ximena Bernal)
9. Rudnick, Jamie (2001-06; now Jamie Ivy, progressed to postdoc at U Chicago and now Senior Population Biologist, San Diego Zoo)
10. Triant, Deb (2001-06; progressed to a postdoc at Texas A&M and now a Research Associate at the Univ. of Virginia)
11. Turner, Sara (2001-07; progressed to a postdoc at U Alaska and now tenure-track Professor at Mercyhurst College)
12. Wijayawardena, Bhagya (2011-2015; co-chaired with Dr. Dennis Minchella; 2015 Outstanding Graduate Student in Biology; progressed to Indiana University Medical School and now in industry)
13. Willoughby, Janna (2011-2015; NSF DDIG awardee; now tenure-track Professor at Auburn University)
14. Williams, Rod (2001-07; progressed to a tenure-track Professor at Purdue; now administrator in Provost's office)

*M.S. students*

1. Glista, Dave (2004-06; progressed to environmental scientist position with D.J. Case & Associates)
2. Nogle, Jamie (2008-2010; progressed to a wildlife biologist position with Colorado Division of Fish and Game; now a District Biologist with National Wild Turkey Federation)
3. Fernandez, Nadia (2016-2018; progressed to a PhD program at UMass-Amherst)
4. Abts, Kendra (2010-2018; NSF GRFP awardee; now in vet school at U. Wisconsin)

*Undergraduate researchers*

- Ahmed, Shad (2007-2008)
- Anderson, Chase (2017-**present**)
- Ducore, Michael (2009-2010)
- Eddy, Sarah (2002-03; now Asst. Prof. at Florida International Univ.)
- Fernandez, Nadia (2013-2016; now PhD student at UMass-Amherst)
- Foster, Abra (2004-06)
- Hacking, Claire (2010-2012; now genetic counselor)
- Heniff, Ashlyn (2017-**present**)
- Hucko, Stephanie (2004-2007)
- Kelly, Morgan (2019-**present**)
- Lamb, Maureen (2012-2014)
- Liu, Ruby (2011-2013; pursued MS at U Texas/MD Anderson)

McCreight, Jennifer (2007-2010; progressed to NSF GRFP awardee at U. Washington with Prof. Willie Swanson)  
 Meyer, Shelby (2016-2018)  
 Pulliam, Nick (2009-2011)  
 Reinhardt, Ben (2007-2008; NSF-REU Summer Intern)  
 Schuchard, Sabrina (2010-2013)  
 Siegmund, Gregor (2010; U. Chicago undergraduate)  
 Simmons, Megan (2012-2013)  
 Williams, Brooke (2002-03)

Committee member for:

Jill Atherton (MS, 2005); Amanda Beheler (PhD, 2001); Johel Chavez-Campos (PhD, 2008); Jenny Cooper (PhD, 2009); Jill Detwiler (PhD, 2010); Jacqueline Doyle (PhD, 2011); Andrea Drauch (MS, 2005); Zach Feiner (PhD, 2015); Yi Feng (PhD); Alyssa Gleichsner (PhD); Vanessa Hale (DVM/PhD); Avil Harder (PhD); Obed Hernandez-Gomez (PhD); Andrew Honsey (MS, 2014); Sarah Joyce (PhD); Tony Kennedy (MS, 2005); Emily Latch (PhD, 2004); Alex Martinez (PhD); Garrett McKinney (PhD, 2013); Michelle Markovich (MS, 2005); Hossan Abdel Moniem (PhD, 2014); Justin Nowakowski (PhD, 2014); Kevin Pangle (MS, 2003); Brian Rinner (MS, 2009); Elisabeth Svedin (PhD); Liz Thiele (PhD, 2011); Becca Tucker (MS, 2011); Lisa Worthen (PhD, 2011)

**Monetary Awards (grants, contracts, etc.)**

2019-2020	Natural Resources Institute TAMU “White Sands Pupfish Genomics”	\$68,250
2019-2020	Texas A&M University, “Conservation genomics of Montezuma quail” funded through the Declining Quail Initiative	\$10,470
2019-2020	Purdue Agricultural Research, “Survival of the quickest to adapt: Coping with a globally changing environment” funded through the 2019 Elevating the Visibility of Agricultural Research: 150th Anniversary Review	\$10,000
2019-2021	National Fish and Wildlife Foundation “Genomics and ecology of the Desert Massasauga” with W. Ryberg and collaborators	\$243,198
2019-2020	Indiana Dept. of Natural Resources “Determination of River Otter ( <i>Lutra canadensis</i> ) diets using DNA”	\$12,337
2019-2020	American Eagle Foundation “Genetic infrastructure for conservation monitoring of endangered steppe eagle populations”	\$5600

2019-2020	Natural Resources Institute TAMU “Western massasauga genetics”	\$26,082
2019-2021	Texas Parks and Wildlife Department “Northern bobwhite restoration genetics”	\$149,265
2019-2020	ExxonMobil “The geographic structure of the Gray Whale gene pool” with C. Goddard-Coding and J. Bickham	\$149,258
2018-2020	Natural Resources Institute TAMU “White Sands Pupfish Genomics”	\$100,000
2018-2022	Indiana Dept. of Natural Resources “Integrated Deer Management in Indiana: An Adaptive Research Framework” with Rob Swihart (PI) and colleagues	\$1,266,269
2017-2018	Whale and Dolphin Conservation's Bharathi Viswanathan Award to support "eDNA monitoring research on gray whales" with Anna Bruniche-Olsen	\$3,000
2017-2019	ExxonMobil "Genomics and Historical Demography of Gray Whales" subcontract from Texas Tech University	\$191,000
2016-2017	Texas A&M AgriLife Extension "Influence of Landscape Genetics and Genomics on the Conservation of Montezuma Quail" with John Tomeček and Ryan Luna	\$76,400
2016-2017	ExxonMobil/Battell “Western Gray Whale Biopsy Sample Analyses Program” with John Bickham and Céline Godard-Coding	\$20,000
2015-2016	Purdue University, Forestry & Natural Resources "Viability selection in raptors: using pooled sequencing and $F_{ST}$ outlier tests to determine whether genome-wide or locus-specific heterozygosity confers a survival advantage" with J. Doyle and J. Willoughby	\$14,690
2015-2017	U.S. Geologic Survey “Genetic Structure of Golden Eagles in Western San Diego County”	\$12,000
2015-2018	National Science Foundation “Mechanobiological Regulation of Cortical Bone in Vertebrates” with R. Main (Purdue Univ.)	\$404,128

2015-2017	ExxonMobil/Battell “Western Gray Whale Biopsy Sample Analyses Program” with John Bickham	\$68,000
2015-2017	Bureau of Land Management “Golden eagle genetics”	\$60,000
2015-2016	U.S. Fish & Wildlife Service “Golden eagle genotyping” subcontract through New Mexico State University	\$24,000
2014-2017	Bureau of Land Management “Golden eagle demography: genetic approaches to population biology in the face of renewable energy development in the California desert” with T. Katzner (West Virginia University) and J. Doyle (Purdue University)	\$144,598
2014-2016	National Science Foundation “DDIG: Determinants of genetic diversity and its maintenance in captive breeding programs” with J. Willoughby	\$19,928
2014-2016	California Dept. of Fish and Game “Golden eagle biology” with Todd Katzner (US Geological Survey)	\$221,945
2013-2015	ExxonMobil “Western Gray Whale Biopsy Sample Analyses Program” with John Bickham	\$29,500
2013-2014	Purdue University, Forestry & Natural Resources “Avian responses to parasites: a seed proposal” with R. Ricklefs.	\$14,725
2013-2016	Bureau of Land Management “Golden eagle demography: genetic approaches to population biology in the face of renewable energy development in the California desert” with T. Katzner (West Virginia University) and J. Doyle (Purdue University)	\$84,223
2012-2013	Bureau of Land Management “Golden eagle demography: genetic approaches to population biology in the face of renewable energy development in the California desert” with T. Katzner (West Virginia University) and J. Doyle (Purdue University)	\$99,093
2011-2013	National Science Foundation “Dissertation Research: Expression and Evolution of Genes Underlying Water Retention in Heteromyid Rodents from Xeric and Mesic Environments” with N. Marra	\$15,000
2011	Purdue University, Agriculture Research Award	\$10,000

2011-2013	Purdue FNR, “Climate Impacts on Genetic and Epigenetic Patterns in Natural Populations”, co-PI with J. Bickham (PI) and others	\$118,000
2010-2011	Zoological Society of San Diego, Voluntary Support	\$10,500
2010-2011	Illinois-Indiana Sea Grant “Genomic resources in lake sturgeon ( <i>Acipenser fulvescens</i> ): A seed proposal”	\$9,975
2010-2011	National Science Foundation “Research Experience for Teachers (RET): Integrating genetic information into demographic models of linked populations” with P. Waser	\$15,000
2009-2010	National Science Foundation “Research Experience for Teachers (RET): The influence of genotype on vertebrate survivorship”	\$15,000
2009-2014	Purdue University Faculty Scholar Award Recipient	\$50,000
2009-2011	US Civilian Research & Development Foundation “Non-invasive monitoring and conservation of raptors in Kazakhstan” with T. Katzner and E. Bragin	\$45,000
2008-2010	National Science Foundation “Integrating genetic information into demographic models of linked populations” with P. Waser	\$183,269
2008-2009	National Science Foundation “Research Opportunity Award (ROA): The influence of genotype on vertebrate survivorship”	\$39,502
2008-2009	Indiana Dept. of Natural Resources “Supplement to Development of DNA-based sexing assays for lake sturgeon”	\$22,243
2008-2009	Joint Transportation Research Program “Predicting and monitoring traffic-induced vertebrate mortality near wetlands”	\$153,316
2007-2008	Great Lakes Fishery Trust “Supplement to Development of DNA-based sexing assays for lake sturgeon”	\$22,243
2007-2008	National Science Foundation “Research experience for undergraduates (REU): The influence of genotype on vertebrate survivorship (supplement)”	\$10,258
2007-2008	National Birds of Prey Trust “Molecular ecology and conservation of imperial eagles ( <i>Aquila heliaca</i> ) and white-tailed eagles ( <i>Haliaeetus albicilla</i> ) from Kazakhstan” with T. Katzner	\$33,493

2007-2009	Forestry & Natural Resources “Applied Ecological Genetics at Purdue” with Profs. Bickham, Michler, Nichols, Rhodes, & Woeste	\$144,700
2006-2008	Great Lakes Fishery Trust “Development of molecular sexing assays for lake sturgeon ( <i>Acipenser fulvescens</i> )”	\$127,957
2006-2007	USDA-CSREES “Convergence of genomics and the land grant mission: emerging trends in the application of genomics in agricultural research” with S. Yaninek, PD	\$10,000
2006-2007	National Geographic Society “Non-invasive genetic monitoring of the endangered Eastern Imperial Eagle in Kazakhstan”	\$19,850
2005-2010	National Science Foundation “The influence of genotype on vertebrate survivorship”	\$471,717
2005-2010	National Aviary “Noninvasive genetic monitoring of the endangered Imperial eagle ( <i>Aquila heliaca</i> )”	\$6,500
2004-2006	General Aviation Airports “Evaluation of wildlife hazards at general aviation airports in Indiana” with O.E. Rhodes	\$30,000
2004-2006	Joint Transportation Research Program “Evaluation of wildlife hazards at general aviation airports in Indiana” with O.E. Rhodes	\$96,286
2004-2006	Joint Transportation Research Program “Highway mortality reduction of terrestrial vertebrates”	\$92,568
2004-2006	Great Lakes Fishery Trust “Development of DNA-based sexing assays for lake sturgeon ( <i>Acipenser fulvescens</i> )”	\$102,727
2004-2005	Wildlife Conservation Society “Non-invasive monitoring of Imperial Eagles” with T. Katzner	\$1,500
2003-2007	USDA National Research Initiative “The influence of genotype on animal production”	\$210,428

**Other Grants, Honors, Certificates & Awards (including those to my students)**

- *Postdoctoral Travel Award 2018 (A. Brueniche-Olsen) \$1000*
- *Yeunkyung Woo Achieve Excellence Travel Award 2017 (S. Mathur) \$500*
- *Welder Wildlife Foundation Fellowship 2017-2021 (S. Mathur) ~ \$100,000*
- *Kirkpatrick Graduate Memorial Award for Outstanding Student 2015-16 (J. Willoughby)*
- *Purdue University International Travel Grant 2016. \$1000*



- *Umbarger Outstanding Graduate Student Award in Biology 2015 (B. Wijayawardena)*
- *A.M. Jackson Award 2015, American Society of Mammalogists (J. Willoughby) \$2000*
- *Hamilton Award Finalist, Society for the Study of Evolution 2014 (J. Willoughby)*
- *Research Grant-in-Aid, American Society of Mammalogists 2014 (J. Willoughby) \$1500*
- *Undergraduate Diversity Award, Society for the Study of Evolution 2014 (N. Fernandez)*
- *Kirkpatrick Graduate Memorial Award for Outstanding Student 2013-2014 (N. Marra)*
- *NSF Doctoral Dissertation Improvement Grant 2014-2016 (J. Willoughby) \$19,928*
- *Sigma Xi Grants-in-Aid of Research 2013 (B. Wijayawardena) \$500*
- *Purdue SURF Graduate Student Mentor of the Summer 2013 (J. Willoughby)*
- *Sigma Xi Grants-in-Aid of Research 2013 (J. Willoughby) \$1000*
- *Purdue Summer Undergrad Research Fellowship 2013 (M. Lamb) \$4200*
- *Purdue Research Foundation Research Grant 2013-2014 (J. Willoughby) \$22,000*
- *PULSe Outstanding Graduate Student in Teaching Award 2013 (A. Fahey)*
- Private Pilot, Single Engine Land 2012.
  - Instrument rated with high performance and complex endorsements
- *Purdue Summer Undergrad Research Fellowship 2011 (N. Pulliam) \$4200*
- *NSF Graduate Research Fellowship 2011-2014 (K. Abts) \$90,000*
- *NSF Doctoral Dissertation Improvement Grant 2011-2013 (N. Marra) \$15,000*
- *D. Woods Thomas Memorial Fund Award 2011 (A. Fahey) \$1500*
- *Purdue Research Foundation Research Grant 2010-2011. \$16,795*
- *Society for the Study of Evolution Undergraduate Diversity Award 2009 (J. McCreight)*
- *Amer. Soc. Mammalogists Undergraduate Research Award 2009 (J. McCreight)*
- *Purdue University International Travel Grant 2009-10. \$1000*
- *Indiana Academy of Sciences Research Grant 2008 (J. McCreight) \$1500*
- *Society of Systematic Biologists Graduate Student Award 2008 (B. Reinhart) \$1500*
- *Amer. Soc. Mammalogists Grants-in-Aid 2007-08 (J. Busch) \$1500*
- *Purdue University International Travel Grant 2006-07. \$1000*
- *Purdue University Instructional Innovation Grant 2005. \$27,100*
- *Rhode Island Zoological Society “Wallaby Genetics” 2004. \$1000*
- *Purdue Research Foundation Research Grant 2004. \$14,715*
- *Wildlife Conservation Society 2004-05. \$3000*
- *Purdue University Agricultural Research Program Assistantship 2004. \$16,000*
- *American Zoo and Aquarium Association TAG grant 2003. \$276*
- *Purdue University International Travel Grant 2003. \$930*
- *Purdue University Summer Faculty Grant 2003. \$7000*
- *Purdue Research Foundation Research Grant 2003. \$13,263*
- *Texas Society of Mammalogists Award (Best Presentation) 1996.*

#### **Media Coverage (including my graduate students)**

- *Scientific American* (“Fish eat eggs from their own nests”, 17 Apr 2001)
- *Field & Stream* (“The sordid sex lives of spotted sunfish”, Feb 2002)
- *Business Week* (“Of fish and free radicals”, 12 Apr 2004)

- *New York Times* (“Raptors’ fidelity is proved without ruffling feathers”, 26 Jul 2005)
- *Animal Planet* (eagle documentary originally broadcast 11 Nov 2005)
- *Prairie Home Companion* (Garrison Keilor highlights eagle research, Jan 28 2006)
- *National Geographic Magazine* (“Clues in a feather”; eagle research, April 2007)
- *New Scientist, Discovery News, Science Daily* (Amphibian declines, 17 April 2008)
- *LA Times, Chicago Tribune, Ft. Worth Star Telegram, Kansas City Star, San Jose Mercury News* (Amphibian declines and roadkill, 17-20 April 2008)
- *National Public Radio* (“Frogs top roadkill tally in Indiana highway study”, 7 minute interview on The Bryant Park Project, 1 May 2008)
- *Chicago Tribune* (“Researcher uses feathers to learn about big birds”, 7 July 2009)
- *Lake Shore Public Radio* (“High-Pitched Notes during Vocal Contests Signal Genetic Diversity in Ocellated Antbirds”, 9 December 2009)
- *US News & World Report* (“The Higher the Song Pitch, the Better the Mating Choice”, 11 December 2009)
- *LiveScience.Com* (SciencesLives scientist profile, 10 February 2010)
- *Chicago Sun-Times, ScienceBlog, Science Daily, e!Science News, New York Daily News* (“Lake sturgeon have genes from parasite, signs of human STD” 12 May 2010)
- *New Scientist, UPI, ScienceBlog* (“One eagle, two eagles...hang on”, 5 March 2011)
- *ScienceDaily, e!Science, Science World Report, RedOrbit, Phys.org* (“Genome yields insights into golden eagle vision, smell”, 24 April 2014)
- *Audubon Magazine* (“Clues to Conserving the Golden Eagle Hidden in Its DNA”, 13 May 2014)
- *Greenwire* ("Eagles from across the continent killed by Calif. turbines", 17 Oct. 2016)
- *FarmWorld* ("Study raises questions on why birds may be killed by turbines", 12 Oct. 2016)
- *Science Daily and Phys.org* ("Wind turbines killing more than just local birds", 19 and 29 Sept. 2016)

### Extension/Outreach Programming

- *ZipTrips*, <http://www.agriculture.purdue.edu/zipTrips/>. Genetic parentage oriented towards middle school students. Live public television on 17 Feb 2011; simultaneous internet streaming to 222 schools (7,754 students) in 32 states, Puerto Rico, UK, and Canada; subsequent programs delivered in 2012, 2013, and 2014. In total, our webinar reached >15,000 students. With Purdue Ag Communications (J. Loizzo and S. Doyle) and R. Williams (Purdue FNR Extension).
  - Purdue’s College of Agriculture bestowed the 2012 *TEAM* award on all ZipTrip personnel for outstanding interdisciplinary teamwork.
  - see a ZipTrip at [https://www.youtube.com/watch?v=9x\\_MzWJYbnk](https://www.youtube.com/watch?v=9x_MzWJYbnk)

### Peer Review

*AD HOC* REVIEWS solicited from or provided to:

*Acta Theriologica, American Naturalist, Animal Biology, Animal Conservation, Animal Reproduction Science, Aquatic Ecology, Aquaculture Research, The Auk, Australian*

*Journal of Zoology, Behavioural Ecology, Behavioral Ecology and Sociobiology, Biochemical Genetics, BioEssays, Biological Conservation, Biological Invasions, Biology Letters, BioScience, Biotechniques, BMC Evolutionary Biology, BMC Genetics, BMC Genomics, BMC Immunology, BMC Research Notes, British Journal of Nutrition, Bulletin of Entomological Research, Canadian Journal of Fisheries and Aquatic Sciences, Comparative Biochemistry and Physiology Part B, Conservation Biology, Conservation Genetics, Conservation Letters, Copeia, Ecography, Ecological Applications, Endangered Species Research, Emu, Ethology, Evolution, Evolutionary Applications, Fishery Bulletin, G3, Genome Biology and Evolution, Global Change Biology, Heredity, Ibis, Integrative and Comparative Biology, International Journal of Geographical Information Science, Journal of Environmental Management, Journal of Experimental Zoology, Journal of Fish Biology, Journal of Heredity, Journal of Herpetology, Journal of Mammalogy, Journal of Molecular Evolution, Journal of Natural History, Journal of the Royal Society (New Zealand), Journal of Zoology, Landscape and Urban Planning, Malaria Journal, Marine Biology, Marine and Freshwater Research, Methods in Ecology and Evolution, Molecular Biology and Evolution, Molecular Ecology, Molecular Ecology Resources, Molecular Phylogenetics and Evolution, Nature Publishing (several journals), Occasional Papers of the Museum of Texas Tech University, PeerJ, PLoS One, Polar Biology, Proceedings of the National Academy of Sciences (USA), Proceedings of the Royal Society (London), Science and Public Policy, Science and Society, Transactions of the American Fisheries Society, Wildlife Biology, Zebrafish, Zoo Biology*

EXTERNAL REVIEWS solicited from:

*Australian Cooperative Research Centres*

*Austrian Science Fund (several)*

*Cooperative Grants Program-Civilian Research and Development Foundation*

*Czech Science Foundation*

*Estonian Research Council*

*Genome Canada*

*Great Lakes Fisheries Commission*

*Louisiana Board of Regents*

*Marsden Fund Council, Royal Society of New Zealand (several)*

*National Environment Research Council of the U.K. (several)*

*National Fund for Scientific & Technological Development, Chile*

*National Geographic Society*

*National Research Foundation, South Africa*

*National Science Foundation (many)*

*Natural Sciences and Engineering Research Council of Canada (NSERC)*

*New Zealand Ministry of Science and Innovation (MSI)*

*NOAA Sea Grant (several)*

*North Central Regional Aquaculture Center (NCRAC)*

*Swiss National Science Foundation*

*University of Tasmania (Australia); PhD thesis examination*

*USDA Small Business Innovation Research Program*  
*USFWS Great Lakes Fish and Wildlife Restoration Act Grant Program*

PROMOTION/TENURE/PERFORMANCE EVALUATIONS solicited by:  
*Bowling Green State University, Colorado State, Cornell, Ohio State, Savannah River Ecology Lab, Smithsonian Institution, Southern Illinois, Texas A&M, University College (Ireland), University of Central Florida, University of Georgia, University of Missouri, University of New Hampshire, University of New Orleans, University of Pretoria (South Africa), University of Windsor (Canada), Virginia Tech*

### **Editorial Service**

<i>Journal of Wildlife Management</i> (genetics papers)	2001-2006
<i>North American Journal of Fisheries Management</i> (genetics papers)	2003-2006
<i>Genetica</i> (Netherlands)	2005-2015
<i>Molecular Ecology Resources</i> (cross-appointed w/ <i>Molecular Ecology</i> )	2011-present
<i>Molecular Ecology</i> (cross-appointed w/ <i>Molecular Ecology Resources</i> )	2013-present

### **Other Service**

President, Texas Tech University Association of Biologists	1996-1997
Lake Sturgeon Genetics Advisory Board	2002
Delegate to the Organization for Tropical Studies (OTS)	2003-2012
OTS Board of Directors	2007-2010
National Science Foundation panel member	often
Peer Reviewer to evaluate USFWS Endangered Species listing	2008
Diversity Mentor, Society for the Study of Evolution Annual Meeting	2009
MentorNet Mentor	2009-2011
Safari Club International Foundation, Conservation Committee	2010-
○ Conservation Grants Subcommittee ( <i>Chair</i> )	2012-2014
Advisory Team member for State Wildlife Action Plan	
○ Indiana Department of Natural Resources	2013-2014
Academic Review for PhD Program in EEB, Texas A&M University	2014
Scientific Advisory Board, Ring 14 Int'l ( <a href="http://www.ring14.org">http://www.ring14.org</a> )	2014-
Conservation Genetics Specialist Group ( <i>part of the IUCN Species Survival Commission</i> )	2016-
IUCN Species Survival Commission ( <i>appointed member</i> )	2017-2020
AZA Molecular Population Management Scientific Advisory Group	2017-
AZA Taxon Advisory Group Liaison	2019-
Morris Animal Foundation, Wildlife Scientific Advisory Board	2019-2022

### **Internal Service (Purdue)**

Search Committee, Aquaculture Lab Manager	2003, 2005
Evolutionary Genetics Training Group ( <i>Executive Committee</i> )	2004-2014
Departmental Promotion & Tenure Committee	2005-
Advisor, Student Chapter of the Wildlife Society	2005-2008

Search Committee, Associate Dean of Research	2005
Search Committee, Quantitative Population Ecologist	2005
Forestry & Natural Resources Equipment Committee ( <i>Chair</i> )	2005-2010
Agricultural Genomics Steering Committee	2006-2007
Search Committee, Fisheries Biologist	2007
Search Committee, Evolutionary Ecologist (Biology Dept.)	2007
College-wide IT Review/Recommendation Committee	2009-2010
Forestry & Natural Resources Visiting Scientist Committee ( <i>Chair</i> )	2010-2011
Department Head Review Committee ( <i>Chair</i> )	2011
College-wide Promotion & Tenure Committee ( <i>elected from Dept.</i> )	2011-2014
Forestry & Natural Resource Capital Campaign Committee ( <i>vice-Chair</i> )	2011-2014
Search Committee, Vertebrate Ecologist	2011-2012
Building Design Task Force ( <i>Chair</i> )	2011-2014
Forestry & Natural Resources Budget/Steering Committee ( <i>vice-Chair</i> )	2011-2014
Epigenetics Search Committee Member (college-wide)	2012
Search Committee, Evolutionary Biologist (Biology Dept.)	2012-2013
Research Guidelines Committee (Ag) for Promotion & Tenure	2012
Charter Member, ADVANCE—Advocates and Allies (a male faculty group advocating female faculty retention; appointment by Dean following nomination by several female faculty colleagues)	2013-
Graduate Admissions Committee (FNR)	2014-
(Inaugural) Faculty Advisor, FNR Postdoctoral Association	2015-
Search Committee Chair, Genetics Lab Manager	2017

### **Affiliations**

American Association for the Advancement of Science  
 American Genetic Association  
 Society for the Study of Evolution

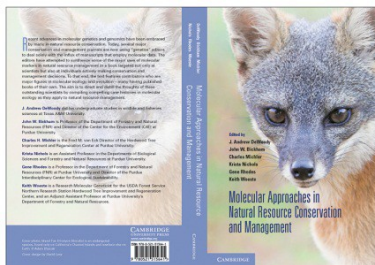
### **Invited Seminars**

Smithsonian Conservation Research Center Symposium, Front Royal VA. 1994.  
 USDA-ARS, Miles City MT. 1997.  
 Purdue University, Lafayette IN. 1998.  
 US-EPA, Cincinnati OH. 1999.  
 Uppsala University, Uppsala Sweden. 1999.  
 Southwest Texas State University, San Marcos TX. 1999.  
 University of Memphis, Memphis TN. 1999.  
 Morehouse College, Atlanta GA. 1999.  
 Indiana State University, Terre Haute IN. 1999.  
 Texas Tech University, Lubbock TX. 1999.  
 University of Sheffield, Sheffield UK. 2000.

American Genetic Association/Society for Molecular Biology and Evolution, Yale University, New Haven, CT. 2000. (*Presidential Symposium*)  
National Wildlife Research Center, Ft. Collins, CO. 2000.  
Purdue University, West Lafayette, IN. 2000.  
University of East Anglia, Norwich UK. 2000.  
Indiana Chapter of the Wildlife Society, Bloomington, IN. 2002. (*Plenary Address*)  
University of Florida, Gainesville FL. 2002.  
Lake Superior State University, Sault St. Marie MI. 2002.  
Illinois Natural History Survey. 2003. (*Sam Parr lecture*)  
Lake Superior State University, Sault St. Marie MI. 2004.  
University of Florida, Gainesville FL. 2004.  
Wabash College, IN. 2005.  
Illinois Natural History Survey (Champaign). 2005.  
Texas A&M University, College Station TX. 2006.  
Southern Illinois University, Carbondale IL. 2006.  
International Veterinary Biochemistry Congress, University of Selcuk, Konya (Turkey). 2007. (*Plenary Address*)  
Wabash College, IN. 2007.  
State University of New York, Binghamton NY. 2008. "*EvoS*" seminar series  
Cornell University, Ithaca NY. 2008. *Cornell Herpetological Society*  
Cornell University, Ithaca NY. 2008. *Dept. of Ecology and Evolutionary Biology*  
University of Missouri, St. Louis MO. 2008.  
Black Hills State University, Spearfish SD. 2009.  
Murray State University, Murray KY. 2010.  
Indiana State University, Terre Haute IN. 2010. "*From Molecules to Ecosystems*" series  
Smithsonian National Zoo, Washington DC. 2010.  
University of Dayton, Dayton OH. 2010.  
Valparaiso University, Valparaiso IN. 2011. *Darwin Day Commemorative Seminar*  
Ohio State University, Columbus OH. 2011.  
Purdue University, West Lafayette IN. 2012. *Darwin Seminar*.  
University of Florida, Gainesville FL. 2013.  
University of Montana, Missoula MT. 2013.  
Battelle Memorial Institute, Columbus OH. 2015.  
International Whaling Commission Scientific Committee, Bled Slovenia. 2016.  
National Institute for Mathematical and Biological Synthesis (NIMBioS), Knoxville TN. 2016.  
Texas Society of Mammalogists Annual Meeting, Junction TX. 2017. (*Keynote speaker*)  
Midland College, Midland TX. 2019.

## Books

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*Molecular approaches in natural resource conservation and management*. 2010.  
 Cambridge University Press, 374 pp. ISBN 978-0-521-51564-1 (hardback) See <http://www.cambridge.org/us/catalogue/catalogue.asp?isbn=9780521515641&ss=toc> for topics and contributors.



## Book Chapters

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- Glista D.J., DeVault T.L. & DeWoody J.A. (2008) Vertebrate road mortality and its impact on amphibians. **Herpetological Conservation and Biology** 3:77-87.
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## REFERENCES

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### **Summary of Administrative Experience**

- Associate Department Head duties included *oversight* of Departmental Areas of Excellence, faculty staffing plan, peer evaluation of teaching, faculty mentoring, undergraduate research. *Support* duties included service as vice-chair for Budget and Steering Committee (budget planning); working with Head on development efforts for building construction/renovation, endowments, and scholarships; convening faculty meetings in Head's absence; working with Head on accreditation.
- Vice-chair of the Departmental Capital Campaign Committee included formal Purdue training in Advancement and Development (fundraising)
- Chair of the Building Design Task Force (committee designing a new building)
- Vice-chair of the Departmental Budget & Steering Committee
- Member of the Dean of Agriculture's Decadal Steering Committee (formed a College Master Plan, in conjunction with an architectural firm; DeWoody was 1 of 3 faculty reps)
- Board of Directors, Organization for Tropical Studies (2007-2010)
  - an international NGO with a budget of ~\$10M/yr
- In 2011, DeWoody was elected to a 3-year term on the Area Promotions Committee (chaired by the Dean of Agriculture). The Area Committee considers promotion/tenure documents from across the College and makes recommendations to the University Committee.
  - In 2012, DeWoody served on a committee to revise the P&T Research Guidelines for the College of Agriculture

#### *Other activities relevant to administration:*

- Executive Committee, Molecular Evolutionary Genetics
  - part of Purdue Interdisciplinary Life Sciences PhD Program (2005-2013)
- Principal Investigator, Genetics Signature Area (2006-2013)
  - a consortium of 6 faculty in Purdue's Dept. of Forestry and Natural Resources
  - DeWoody led an effort to host an international meeting and publish a book
- Founding member of Purdue Interdisciplinary Center for Ecological Sustainability
- Chairman, Purdue FNR Equipment Committee (2005-2010; annual budget of ~\$50k)
- Chairman, Purdue FNR Visiting Scientist & Seminar Committee (2010-2011)
- President, Texas Tech University Association of Biologists (1996-1997)
- DeWoody has served on about a dozen administrative and faculty search committees in the Colleges of Agriculture and Science at Purdue
- In 2009-2010, DeWoody served as a member of the Purdue Ag Information Technology Review/Planning Committee, charged with evaluation of IT across the college in an effort to improve efficiencies
- In 2011, DeWoody chaired the Department Head Evaluation Committee. This committee meets every five years and prepares a formal report to the Dean of Agriculture.
- In 2014, DeWoody was selected to attend Cornell University's week-long Faculty Leadership & Development Program