

# Matthew J. Miller

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## EDUCATION

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|----------------|----------------------------------------------------------------|
| 2008 – present | Postdoctoral Fellow, Smithsonian Tropical Research Institute.  |
| 2008           | PhD, Biological Sciences, University of Alaska Fairbanks.      |
| 2001           | MS, Ecology and Evolutionary Biology, University of Arizona.   |
| 1997 – 1998    | Graduate Study, Latin American Studies, University of Arizona. |
| 1996           | BA with Distinction, Biology, Swarthmore College.              |

## PUBLICATIONS

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| 2009 | <b>M.J. Miller</b> , Bermingham, E. Winker, K. Neotropical birds show a humped distribution of genetic diversity along a latitudinal transect. <i>In review at Ecology Letters</i> .                                                                                                                |
|      | <b>M.J. Miller</b> . [Review of] The Birds of the Republic of Panama, Part 5. Gazetteer and Bibliography. <i>Wilson Journal of Ornithology In Press</i> .                                                                                                                                           |
| 2008 | J.T. Weir, E. Bermingham, <b>M.J. Miller</b> , J. Klicka, M.A. González. Phylogeography of a morphologically diverse Neotropical montane species, the Common Bush-Tanager ( <i>Chlorospingus ophthalmicus</i> ). <i>Molecular Phylogenetics and Evolution</i> 47: 660-664.                          |
|      | <b>M.J. Miller</b> , E. Bermingham, J. Klicka, P. Escalante, F.S. Raposo do Amaral, J.T. Weir, K. Winker. Out of Amazonia again and again: episodic crossing of the Andes promotes diversification in a lowland flycatcher. <i>Proceedings of the Royal Society B</i> 275: 1133–1142.               |
| 2007 | <b>M.J. Miller</b> , E. Bermingham, R.E. Ricklefs. Historical biogeography of the New World Solitaires <i>Myadestes</i> (Turdidae). <i>Auk</i> 124: 868–885.                                                                                                                                        |
| 2006 | F.S. Raposo do Amaral, <b>M.J. Miller</b> , L.F. Silveira, E. Bermingham, A. Wajntal. Polyphyly of the hawk genera <i>Leucopternis</i> and <i>Buteogallus</i> (Aves, Accipitridae): multiple habitat shifts during the Neotropical buteonine diversification. <i>BMC Evolutionary Biology</i> 6:10. |

## **FELLOWSHIPS, GRANTS, AND AWARDS**

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- 2009 – 2011 NIH Award for Continuing Research on Avian Influenza Transmission Dynamics (200,000 USD, E. Bermingham, PI)
- 2009 – 2010 CDC Award for Emerging Infectious Disease and Climate Change Study in Panama Canal Watershed (185,000 USD, one of 12 co-investigators)
- 2009 – 2001 Smithsonian Institute Molecular Evolution Fellowship (94,000 USD)
- 2007 – 2008 Smithsonian Tropical Research Institute Pre-Doctoral Fellowship. (25,000 USD)
- 2006 National Science Foundation Travel Award for NAOC Meeting (1000 USD)  
Travel Grant Award, Graduate School, University of Alaska Fairbanks (600 USD)
- 2005 – 2006 Thesis Completion Fellowship, University of Alaska Fairbanks (8500 USD)
- 2004 Graduate College Fellowship, University of Alaska Fairbanks (8500 USD)  
Frank M. Chapman Memorial Fund, American Museum of Natural History (2500 USD)
- 2003 – 2004 EPSCoR Graduate Research Fellowship, University of Alaska (16,000 USD)
- 2003 Frank M. Chapman Memorial Fund, American Museum of Natural History (2000 USD)
- 2002 Angus Gavin Memorial Bird Research Grant, University of Alaska (10,000 USD)
- 2001 Frank M. Chapman Memorial Fund, American Museum of Natural History (1000 USD)

## **FIELD EXPEDITIONS**

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- Chiriqui and Serranía de Tabascá, Panama. 2009.
- Lago Bayano, Panama, Panama. 2009.
- Bay of Panama, Panama, Panama. 2008-9.
- Rio Changuinola, Bocas del Toro, Panama. 2007.
- Achiote, Colon, Panama. 2007.
- Bay of Panama, Panama, Panama. 2007.
- Sante Fe, Veraguas, Panama. 2006.
- Pearl Islands, Panama, Panama. 2006.
- Serranía de Maje, Darien, Panama. 2006.
- Cana, Darien, Panama. 2006.
- Highlands & Dry Forest, Chiriqui, Panama. 2006.
- Bay of Panama, Panama, Panama. 2005.
- Achiote, Colon, Panama. 2005.
- Satipo Road, Junin. 2004.
- Centro Pucani, Ucayali, Peru. 2004.
- Tidal Mudflats, Ica, Peru. 2004.
- Volcan Baru, Chiriqui, Panama. 2004.
- Cerro Azul, Panama, Panama. 2004.
- Piñas Bay, Darien, Panama. 2003.
- Centro Pucani, Ucayali, Peru. 2003.
- Andean Highlands, Cusco, Peru. 2003.
- Canal Watershed Coclé & Panama, Panama. 2002.
- Coastal Plain & Boreal Forest, Alaska. 2002.
- Wet Forest, Esmeraldas, Manabí, Ecuador. 2001.
- Tiputini, Napo, Ecuador. 2001.
- Wet Forest, Esmeraldas, Ecuador. 2000.
- Tiputini, Napo, Ecuador. 2000.
- Amazonia, Sucumbios, Napo, Ecuador. 1999.

## **TEACHING EXPERIENCE**

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- 2003 Field Ornithology Special Course  
Zoology Museum, Universidad San Antonio Abad. Cusco, Peru.
- 2001 Graduate Teaching Assistant, Introduction to Biology (ECOL 182)  
Ecology & Evolutionary Biology, University of Arizona. Tucson, AZ.
- 2000 Graduate Teaching Assistant, Environmental Biology (ECOL 206)  
Ecology & Evolutionary Biology, University of Arizona. Tucson, AZ.
- 1999 Graduate Teaching Assistant, Ecology (ECOL 302)  
Ecology & Evolutionary Biology, University of Arizona. Tucson, AZ.
- Graduate Teaching Assistant, Marine Biology Short Course  
Ecology & Evolutionary Biology, University of Arizona. Tucson, AZ.
- 1996 – 1997 Humanities Teacher (Secondary School)  
Monteverde Friends School, Monteverde, Costa Rica
- 1995 Teaching Assistant, Marine Biology  
Biology Department, Swarthmore College, Swarthmore, PA.

## **CONSERVATION EXPERIENCE**

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- 1997 – 1999 Mesoamerican Program Coordinator  
The Wildlands Project, Tucson, AZ.
- 1992 – 1995 Forest Activist  
Eastern Forests & Mountains Conservation  
Swarthmore College, Swarthmore, PA.

## **PROFESSIONAL SOCIETIES**

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American Association for the Advancement of Science  
American Ornithologists' Union  
Neotropical Ornithological Society

## **MISCELLANEOUS**

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Fluent in Spanish, reading knowledge of French.

Peer Reviewer for *The Auk*, *Journal of Avian Biology*, and *Molec. Evol. & Phylogenetics*.

Participated in forensic identification of wildlife carcasses using museum specimens.