

## ***CURRICULUM VITAE***

### ***JOHN M. BATES***

30 August 2012

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### **EDUCATION**

- Ph.D. December 1993 Louisiana State University  
Dept. of Zoology and Physiology and Museum of  
Natural Science. Dissertation: The genetic effects of forest  
fragmentation on Amazonian birds.
- M.S. May 1987 University of Arizona  
Dept. of Ecology and Evolutionary Biology. Thesis: The  
Winter Ecology of the Gray Vireo (*Vireo vicinior*) in  
Sonora, Mexico.
- B.S. June 1983 University of Arizona  
Major: General Biology.

### **PROFESSIONAL POSITIONS**

- October 2002-Oct. 2011 Chairman, Department of Zoology, The Field Museum (TFM).  
January 2002 - present Associate Curator of Birds, Department of Zoology, TFM.  
1995 - 2002 Assistant Curator of Birds, Department of Zoology, TFM.  
October 1993-Oct. 1995 Frank M. Chapman Postdoctoral Fellow, Ornithology Dept.,  
American Museum of Natural History.
- 1987-1993 Teaching assistant for undergraduate biology (3 semesters) and  
ornithology (3 semesters). Curatorial assistant (6  
semesters) for the Frozen Tissue Collection, Museum  
of Natural Science, Louisiana State Univ. (LSUMNS).

### **ADDITIONAL APPOINTMENTS**

- March 2000 - present Member, Committee on Evolutionary Biology, University of  
Chicago.
- Sept. 1999 - present Adjunct Professor, Dept. of Biological Sciences, University of  
Illinois, Chicago.
- July 2002 - present External Lecturer, Makerere University, Kampala, Uganda  
January 2001 - present Project Leader, Programme Biodiversite des Ecosystemes  
Aquatiques et Terrestres dans le Rift Albertin (PBEATRA),  
Lwiro, Dem. Rep. of Congo.

March 1996-Dec. 1998 Matrix contact for Chicago Wilderness Science and Land Management Team.  
July 1996-Feb. 1997 Head, TFM Pritzker Laboratory for Molecular Evolution and Systematics.

### TEACHING EXPERIENCE

March 2011 Co-organizer, Workshop on “Museum and communication”, Museums of Malawi, Blantyre, Malawi.  
May 2009 Lecturer, O.T.S. “Ecology and Conservation of Neotropical Birds” course, Costa Rica.  
July 2008 Instructor, Bolivia, Pando. Ecological Field Training Course.  
July 2001, 2002, 2005 Instructor, PBEATRA, Lwiro, Dem. Rep. of Congo.  
Jan. 2002-March 2002, Jan. 2000-March 2000 Co-Instructor, Biological Sci. 345-0 (Ornithology), Northwestern University.  
June 1999-Aug. 1999 Co-Instructor, Conservation Training Consortium (TFM, Brookfield Zoo, Univ. of Illinois, Chicago), Summer Session.  
January 1998-Mar. 1998 Instructor, Nat. Sci. 105 (Conservation Biology), University of Chicago.  
June 1996-August 1996 Co-instructor, Advanced Training Program in Conservation Biology, Summer Session.

### FIELD EXPERIENCE

May 2012 Uganda, Bwindi National Park. Visit to find Willard’s Sooty Boubou (*Laniarius willardi*).  
April 2012 Democratic Republic of Congo. Itombwe Plateau and Kahuzi-Biega National Park. Bird, small mammal and parasite inventories.  
March 2011 Malawi, National Museums of Malawi. Bird, small mammal and parasite inventory, Mangochi Mountains.  
Rwanda, Nyungwe National Park. Search for *Laniarius willardi*.  
October 2009 Malawi, National Museums of Malawi. Bird, small mammal and parasite inventory, Vwaza National Park.  
May 2009 Costa Rica, O.T.S. “Ecology and Conservation of Neotropical Birds” Course.  
July 2008 Bolivia, Pando. Ecological field training course. Instructor  
October 2007 Madagascar, Field Museum tour with Steve Goodman.  
July 2007 Brazil, Rio Japurá region. Bird and feather lice inventories in collaboration with Museu Paraense “Emilio Goeldi.”  
January 2007 Brazil, Caixuanã Forest Preserve. Bird and feather lice inventories in collaboration with Museu Paraense “Emilio Goeldi.”  
October 2005 Malawi, National Museums of Malawi. Bird and small mammal inventories at three sites in central highlands.  
July 2005 Democratic Republic of Congo, CRSN - Lwiro Biological Station and Kahuzi-Biega National Park. Bird, mammal, freshwater invertebrates and flowering plant inventories.  
October 2004 Brazil, Pantanal and Atlantic Forest, Field Museum Founders’ Council tour.

July 2002	Democratic Republic of Congo, CRSN - Lwiro Biological Station and Lake Kivu shoreline. Bird, mammal and flowering plant inventories.
July and December 2001	Democratic Republic of Congo, CRSN - Lwiro, Idjwi Island, and Kahuzi-Biega National Park. Bird, mammal and flowering plant inventories.
February-March 2001	Democratic Republic of Congo (CRSN - Lwiro, setting up MacArthur project), Uganda, Rwanda.
March 2000	Democratic Republic of Congo. CRSN - Lwiro, preliminary visit.
October 1998	Bolivia, La Paz. Avian inventory as part of a NASA-sponsored investigation of the only known meteor crater in Amazonia.
August 1998	South Africa, KwaZulu Natal. TFM expedition to collect birds and mammals.
October 1997	Brazil, Amapá. Collaborated with Museu Paraense "Emilio Goeldi" on avian inventory project.
October 1995	Bolivia, Dept. of Santa Cruz, Parque Nacional Noel Kempff Mercado. Instructor: Ornithology section of Conservation International's Rapid Assessment Training Program.
May-June 1992	Louisiana. Surveyed Bachman's Sparrow density and habitat preference in Kisatchee National Forest.
January-July 1991	Louisiana. Surveyed shorebirds in rice fields of southeastern Louisiana for Louisiana Nature Conservancy and Louisiana Game and Fish Dept.
Dec. 1989-Jan. 1990	Costa Rica. Expedition member: LSUMNS.
June-October 1989	Bolivia, Dept. of Santa Cruz, Parque Nacional Noel Kempff Mercado. Expedition leader: LSUMNS.
June-August 1988	Bolivia, Dept. of Santa Cruz, Parque Nacional Noel Kempff Mercado. Expedition member: LSUMNS.
Winter 1985-86; Winter 1986-87	Mexico, Sonora. Conducted Masters research at sites in coastal deserts.
May-June 1986, February 1987	California, Blythe. Scientific Consultant: Steve W. Carothers and Associates. Bureau of Reclamation contract to study wildlife use of bank line habitats along the lower Colorado River.
August-October 1986	Arizona, Tucson. Scientific Consultant: Frank W. Riechenbacher and Associates. Endangered plant species surveys on contracts with private companies and the Bureau of Reclamation.
February-July 1984; July-August 1985	Brazil, Manaus. Bird-bander: World Wildlife Fund-US, Biological Dynamics of Forest Fragments Project (Now under direction of the Smithsonian Institution). Collected and entered data on mist net captures.
Additional field experience:	United States (throughout), Canada, Mexico, Trinidad and Tobago, Venezuela, Colombia, Ecuador, Peru, Paraguay, Kenya, Rwanda, Uganda, Tanzania.

## PUBLICATIONS

- Mills, G. S., J. B. Dunning, Jr., and J. M. Bates. 1988. Effects of urbanization on breeding bird community structure in southwestern desert habitats. *Condor* 91: 416-428.
- Bennet, G. F., M. C. Garvin, and J. M. Bates. 1991. Avian hematozoa from east-central Bolivia. *J. Parasitology* 77: 207-211.
- Mills, G. S., J. B. Dunning, and J. M. Bates. 1991. The relationship between breeding bird density and vegetation volume. *Wilson Bull.* 103: 468-479.
- Bates, J. M., M. C. Garvin, D. C. Schmitt, and C. G. Schmitt. 1991. Notes on bird distribution in northeastern Dpto. Santa Cruz, Bolivia, with 15 new species to Bolivia. *Bull. Brit. Orn. Club* 109: 236-244.
- Bates, J. M., T. A. Parker, III, A. P. Capparella and T. J. Davis. 1992. Observations on the campo, cerrado, and forest avifaunas of eastern Dpto. Santa Cruz, Bolivia, including 21 species new to the country. *Bull. Brit. Orn. Club* 112:86-98.
- Parker, T. A., III, J. M. Bates, and G. Cox. 1992. Rediscovery of the Bolivian Recurvebill (*Simoxenops striatus*; Furnariidae) with notes on other little-known species of the Bolivian Andes. *Wilson Bull.* 104: 173-178.
- Bates, J. M. 1992. Winter territorial behavior of Gray Vireos. *Wilson Bull.* 104: 425-433.
- Bates, J. M. 1992. Frugivory on *Bursera microphylla* (Burseraceae) by wintering Gray Vireos (*Vireo vicinior*, Vireonidae) in the coastal deserts of Sonora, Mexico. *Southwestern Nat.* 37: 252-257.
- Bates, J. M. and R. M. Zink. 1992. Seasonal variation in gene frequencies in the House Sparrow (*Passer domesticus*). *The Auk* 109: 658-662.
- Bates, J. M. 1993. Review of "Birds of Southwestern Brazil: Catalogue and Guide to the Birds of the Pantanal of Mato Grosso and its Border Areas" by Balthasar Dubs. *The Auk* 110: 661.
- Bates, J. M. 1993. Studying ways to teach evolution: the importance of practicing what we preach. *Proceedings of the LSU/NSF Evolution Research Conference* (R. A. Good, J. E. Trowbridge, S. S. Demastes, J. H. Wundersee, M. S. Hafner, and C. L. Cummins, Eds.) Baton Rouge, LA.
- Bates, J. M., S. J. Hackett, and R. M. Zink. 1993. Tecnicas y materiales para la preservación de tejidos congelados. Pp. 75-78 in *Curación moderna de colecciones ornitológicas* (P. Escalante-Pliego, Ed.) American Ornithologists' Union, Washington, D. C.
- Bates, J. M. 1994. Review of "On the biology of five species of swifts (Apodidae, Cypselinoidinae) in Costa Rica" by Manuel Marin A. and F. Gary Stiles. *The Auk* 111: 717.
- Bates, J. M. and R. M. Zink. 1994. Evolution into the Andes: species relationships in the flycatcher genus *Leptopogon*. *The Auk* 111: 507-515.
- Hackett, S. J., C. S. Griffiths, J. M. Bates, and N. K. Klein. 1995. A commentary on the use of sequence data for phylogeny reconstruction. *Mol. Phylogenet. Evol.* 4:350-353.
- Bates, J. M. 1996. Review of "Status, Distribution and Biogeography of the Birds of Paraguay " by Floyd E. Hayes. *The Auk* 113:727-728.
- Bates, J. M. and T. S. Schulenberg. 1996. In Memorium: Theodore A. Parker, III. *The Auk* 114:110.
- Bates, J. M. 1997. Distribution and geographic variation in three South American grassquits (Emberizinae, *Tiaris*). *Ornithological Monographs* 48:91-110.
- Garvin, M. C., J. M. Bates, and J. M. Kinsella. 1997. Nematode parasites in birds from east-central Bolivia. *Ornithological Monographs* 48:261-266.
- Hackett, S. J. and J. M. Bates. 1997. Review of "Molecular Systematics" edited by D. M. Hillis, C. Moritz, and B. K. Mable. *The Auk* 114:802-803.
- Bates, J. M. 1998. Review of "Handbook of Birds of the World, Volume 4 (Sandgrouse to Cuckoos)", J. Del Hoyo, A Elliot and J. Sargatal (eds.). *Condor* 100:769-775.
- Bates, J. M., J. Cracraft and S. J. Hackett. 1998. Area-relationships in the Neotropical lowlands: An hypothesis based on raw distributions of Passerine birds. *Jrnl. of Biogeography* 25:783-793.

- Bates, J. M., D. F. Stotz, and T. S. Schulenberg. 1998. Avifauna of Parque Nacional Noel Kempff Mercado. Pp. 120-128. In: A Biological Assessment of Parque Nacional Noel Kempff Mercado, Bolivia. RAP Working papers 10. Conservation International, Washington, D. C.
- Bates, J. M. and T. A. Parker, III. 1998. The avifauna of Parque Nacional Noel Kempff Mercado and surrounding areas. Pp. 317-340. In: A Biological Assessment of Parque Nacional Noel Kempff Mercado, Bolivia. RAP Working papers 10. Conservation International, Washington, D. C.
- Bates, J. M., S. J. Hackett and J. Goerck. 1999. High levels of mitochondrial DNA differentiation in two lineages of antbirds (*Drymophila* and *Hypocnemis*). *The Auk* 116:1093-1106.
- Bates, J. M. 2000. Allozyme genetic structure and natural habitat fragmentation: Data for five species of Amazonian forest birds. *Condor* 102:770-783.
- Kirchman, J. J., S. J. Hackett, S. M. Goodman, and J. M. Bates. 2001. Phylogeny and systematics of the ground rollers (Brachypteraciidae) of Madagascar. *The Auk* 118:849-863.
- Bates, J. M. 2001. Avian diversification in Amazonia: evidence for historical complexity and a vicariance model for a basic pattern of diversification. Pp. 119-138 in: *Diversidade Biológica e Cultural da Amazônia* (I. Viera, M. A. D'Incao, J. M. Cardoso da Silva and D. Oren, editors). Museu Paraense Emilio Goeldi, Belém, Pará, Brazil.
- Bates, J. M. and T. C. Demos. 2001. Do we need to devalue Amazonia and other large tropical forests? *Diversity and Distribution* 7:249-255.
- Bober, S. O., M. Herremans, M. Louette, J. C. Kerbis Peterhans and J. M. Bates. 2001. Geographical and altitudinal distribution of endemic birds in the Albertine Rift. *Ostrich Supplement* 15 (July 2001):189-196.
- Graves, G. R., A. W. Kratter, and J. M. Bates. 2001. The first nesting record of Black-billed Cuckoo (*Coccyzus erythrophthalmus*) in the lower Mississippi Valley. *Journal of Louisiana Ornithology* 5:46-48.
- Silva, J. M. C. and J. M. Bates. 2002. Biogeographic patterns in the South American Cerrado: a tropical savanna hotspot. *BioScience*: 52:225-233.
- Bates, J. M. 2002. The genetic effects of forest fragmentation on five species of Amazonian birds. *Journal of Avian Biology* 33:276-294.
- Griffiths, C. S. and J. M. Bates. 2002. Morphology, genetics and the value of voucher specimens: an example with *Cathartes* vultures. *Journal of Raptor Biology* 36:183-187.
- Joseph, L. and J. M. Bates. 2002. *Pyrrhura snethalgeae* sp. nov. Pp. 354-355 in Joseph, L. Geographical variation, taxonomy, and distribution of some Amazonian *Pyrrhura* parakeets. *Ornithologia Neotropical* 13:337-363.
- Bates, J. M. 2003. Review of *People and Forests: Communities, Institutions, and Governance* (C. C. Gibson, M. A. McKean, and E. Ostrom; Editors). *The Quarterly Review of Biology* 78:113-114.
- Bates, J. M., J. G. Tello, and J. M. Cardoso da Silva. 2003. An initial assessment of genetic diversity in ten bird species of South American Cerrado. *Studies on Neotropical Fauna and the Environment* 38:87-94.
- Bates, J. M., J. Haffer and E. Grismer. 2004. Avian Mitochondrial DNA sequence divergence across a headwater stream of the Rio Tapajos, a major Amazonian river. *Journal of Ornithology* 145:199-205.
- Bates, J. M., R. C. K. Bowie, D. E. Willard, G. Voelker, and C. Kahindo. 2004. A need for continued collecting of avian voucher specimens in Africa, or: Why blood is not enough. *Ostrich* 75:187-191.
- Tello, J. G., J. M. Bates, and I. Caballero. 2004. Species accounts for the flycatcher genera *Rhynchocyclus*, *Tolmomyias*, and *Platyrinchus*. Pp. 337-343 in *Handbook of Birds of the World, Vol. 9* (Eds, J. de Hoyo, A. Elliot, and D. Christie). Lynx Edicions, Barcelona, Spain.

- Fraga, R. M. and J. M. Bates. 2005. Two unreported specimens of Ochre-breasted Pipit, *Anthus nattereri*, from a new Brazilian locality. *Bull. Brit. Orn. Club* 125:66-68.
- Braun, M. J., M. L. Isler, P. Isler, J. M. Bates, and M. B. Robbins. 2005. Avian speciation in the Pantepui: the case of *Percnostola [Schistocichla] "leucostigma" saturata*. *Condor* 107:329-343.
- Bates, J. M. 2005. Conservationists: Don't forget academics. Letter to editor. *Worldwatch* 2005(Nov./Dec.):4.
- Bowie, C. K. R., J. Fjelds , S. J. Hackett, J. M. Bates, and T. M. Crowe. 2006. Coalescent models reveal the relative roles of ancestral polymorphism, vicariance, and dispersal in shaping phylogeographical structure of an African montane forest robin. *Molecular Phylogenetics and Evolution* 38:171-188.
- Tello, J. G., J. F. Degner, J. M. Bates, and D. E. Willard. 2006. A new species of Hanging-Parrot (*Loriculus*) from Camiguin Island, Philippines, pp. 58-72. In Heaney, L. R., ed., *The Mammals and Birds of Camiguin Island, Philippines, a Distinctive Center of Biodiversity*. Fieldiana Zoology, n.s., 106:1-72.
- Bates, J. M. 2006. The seasonal movements of southern populations of Dull-colored Grassquit (*Tiaris obscura obscura*). *Bull. Brit. Orn. Club* 126:50-53.
- Kahindo, C., J. M. Bates, and R. C. K. Bowie. 2007. The relevance of data on genetic diversity for the conservation of Afro-montane regions. *Biological Conservation* 134:262-270.
- Tello, J. G. and J. M. Bates. 2007. Molecular phylogenetics of the Flatbill and Tody-tyrant assemblage of Tyrant flycatchers (Aves: Tyrannidae). *The Auk* 124:1-21.
- Aleixo, A., Rodrigues, E. B., Faccio, M. S., Weckstein, J. D. & Bates, J. M. 2007. Aves do Cacuaj , FLONA de Caxiuana, p. 70-72. Em Resumos Expandidos do I Semin rio Cient fico do PPBIO. Bel m: Museu Paraense Em lio Goeldi. [http://marte.museu-goeldi.br/ppbio/index.php?option=com\\_content&task=view&id=27&Itemid=39](http://marte.museu-goeldi.br/ppbio/index.php?option=com_content&task=view&id=27&Itemid=39) (consultado em 30/08/2007).
- Kizungu, R. B., J. M. Bates, and B. Murhabale. 2007. A nest of Collared Apalis (*Apalis ruwenzori*) in Kahuzi-Biega National Park, Democratic Republic of Congo. *Journal of the African Bird Club* 14: 69-71.
- Cadena, C. D., B. L pez-Lan s, J. M. Bates, N. Krabbe, N. H. Rice, F. G. Stiles, J. D. Palacio, and P. Salaman. 2007. Second Record of Hybridization in the Tracheophone Suboscines: *Grallaria nuchalis* x *G. ruficapilla* in a Fragmented Andean Landscape. *Ibis* 149:814-825.
- Maillard, O., J. M. Bates, J. G. Tello, and M. A. Aponte. 2007. Avifauna del Rio Manupare y Cr ter Iturrealde, un bosque Amazonico en el Departamento de La Paz, Bolivia. *Ornitolog a Neotropical* 18:519-534.
- Carnaval, A. C. O. Q., and J. M. Bates. 2007. Amphibian DNA shows marked genetic structure and tracks Pleistocene climate change in northeastern Brazil. *Evolution* 61:2942-2957.
- Bates, J. M. 2007. Natural History Museums: World Centers of biodiversity knowledge, now and in the future. *The Systematist* 29:3-6.
- Tobias, J. A., J. M. Bates, S. J. Hackett, and N. Seddon. 2008. 90. *Science* 319:901c.
- Bates, J. M., C. D. Cadena, J. G. Tello, and R. T. Brumfield. 2008. Diversification in the Neotropics: phylogenetic patterns and historical processes. *Proceedings of the VIIIth Neotropical Ornithological Congress*. *Ornitolog a Neotropical* 19 (suppl.): 427-432.
- Macnamara, P., J. M. Bates, and J. H. Boone. 2008. *Architecture by birds and insects: a natural art*. Chicago, University of Chicago Press.
- Bates, J. M. Review of *The Clements Checklist of Birds of the World* by J. F. Clements. 2008. *The Quarterly Review of Biology* 83(2):227.
- Kirwan, G. M. and J. M. Bates. 2008. The status of European Stonechat *Saxicola rubicola* in the Islamic Republic of Iran. *Sandgrouse* 30:113-116.

- Bueter, C. J., J. Weckstein, J. M. Bates, K. P. Johnson, and C. E. Gordon. 2009. Comparative phylogenetic histories of two louse genera found on *Catharus* thrushes and other birds. *Journal of Parasitology* 95:295-307.
- Hackett, S. J. and J. M. Bates. 2009. Darwin and Evolution, Inextricably Linked with Natural History Collections. On-line essay for the OneBookOne Program, Northwestern University. [http://www.northwestern.edu/onebook/essays/Darwin\\_and\\_Evolution.html](http://www.northwestern.edu/onebook/essays/Darwin_and_Evolution.html).
- Pantané, J. S. L., J. D. Weckstein, A. Aleixo, and J. M. Bates. 2009. Evolutionary history of *Ramphastos* toucans: Molecular phylogenetics, temporal diversification and biogeography. *Molecular Phylogenetics and Evolution* 53:923-934.
- Antonelli, A., A. Quijada-Mascareñas, A. J. Crawford, J. M. Bates, P. M. Velazco and W. Wüster. 2009. Molecular studies and phylogeography of Amazonian tetrapods and their relation to geological and climatic models. Pp 388-404 in: Neogene history of Western Amazonia and its significance for modern biodiversity. C. Hoorn, H. Vonhof, and F. Wesselingh (Eds.).
- Bates, J. M. 2010. Studying birds in the Sonoran Desert. Pp. 49-57. In: Moments of Discovery: Natural History Narratives from Mexico and Central America. K. Winker (Ed.). Univ. Florida Press.
- Voelker, G., Robert K. Outlaw, Sushma Reddy, Michael Tobler, John M. Bates, Shannon J. Hackett, Charles Kahindo, Ben D. Marks, Julian Kerbis Peterhans, and Thomas P. Gnoske. 2010. A new species of black boubou from the Albertine Rift (Passeriformes: Laniidae: *Laniarius*). *The Auk* 127:678-689.
- Winker, K., J. M. Reed, P. Escalante, R. A. Askins, C. Cicero, G. E. Hough, and J. Bates. 2010. The importance, effects, and ethics of bird collecting. *The Auk* 127:690-695.
- Patel, S., J. D. Weckstein, J. S. L. Patané, J. M. Bates, and A. Aleixo. 2011. Temporal and spatial diversification of *Pteroglossus Aracaris* (Aves Ramphastidae) in the Neotropics: Constant rate of diversification does not support an increase in radiation during the Pleistocene. *Molecular Phylogenetics and Evolution* 58:105-115.

### **Manuscripts Submitted:**

- Engel, J. E., J. M. Bates, J. D. Weckstein, P. M. Kaliba, T. P. Gnoske. An avifaunal survey of Vwaza Marsh Wildlife Reserve, Malawi (accepted, *J. East African Natural History*. *Journal East African Natural History*)

### **Manuscripts in Preparation:**

- Despeciation in a passerine bird discovered based on evidence from host-specific ectoparasites. N. L. Block, S. M. Goodman, S. J. Hackett, J. M. Bates, M. J. Raheirilalao (for *Evolution*.)
- Breeding and Dispersal in Urban Peregrines: Integrating field and molecular data. I. C. Caballero, J. M. Bates, M. Hennen, M. V. Ashley
- Diehl, R. H., J. M. Bates, D. E. Willard, and T. P. Gnoske. The hazards of nocturnal migration over Lake Michigan: A case study using RADAR.
- Scientific Collection in Malawi, and response to Dowsett-Lemaire et al. 2012. (for *Bird Conservation International*, with G. Voelker and J. Engel)
- Seasonality in the mid-western crossroads: Movements of birds and insects through a year in the Chicago region. (with P. Macnamara and J. Boone)
- Defining species in the *Willisornis poecilinotus* complex: Problems and lessons for understanding biodiversity
- Different patterns of morphology and molecules in two co-distributed lineages of Malagasy passerines (with S. J. Hackett, S. M. Goodman, J. S. Hunt, and M. McLachlin)
- A correlation between genetic structure and morphologic differentiation across Amazonia in six avian lineages

Ancient DNA from 1500-year-old eggshells from El Palmillo Oaxaca, Mexico: Implications for the evolution of migration (with Gary M. Feinman, Linda M. Nicholas, Jeff Hunt, Helen R. Haines)  
Biogeography and evolution of *Selenidera* toucanets (with H. Lutz, J. D. Weckstein, A. Aleixo, J. Patané)

### PRESENTATIONS AT SCIENTIFIC MEETINGS

American Ornithologists' Union (1987-2011; 21 scientific talks, 11 posters), Cooper and Wilson Ornithological Societies (1991; 1 scientific talk), Neotropical Ornithological Congress (1991, 1994, 2007; 4 scientific talks, co-organized 2 symposia, 1 workshop), Soc. for the Study of Evolution (1992, 1994, 1996, 1997; 4 scientific talks); International Ornithological Congress (1998, 1 scientific talk; 2006, symposium co-organizer, 1 talk, 1 poster), Brazilian Ornithological Congress (2000, 2005, 2009; symposium presentations, plenary address); Pan African Ornithological Congress (2000, 1 poster), A. Watson Armour III, Spring Symposium (2002, symposium presentation), Society for Conservation Biology (2004; symposium presentation), AAAS meetings (2009), Association for Tropical Biology (2012; symposium presentation).

### INVITED SEMINARS

- 1993 Tulane University
- 1994 State University of New York at Albany, Florida International University, American Museum of Natural History
- 1995 Rapid Assessment Training Program (Conservation International, Santa Cruz, Bol.), Museo de Historia Natural Noel Kempff Mercado (Santa Cruz, Bol.), Universidad Autonoma "Gabriel Rene Moreno" (Santa Cruz, Bol.), Villanova University, The Field Museum
- 1996 The Field Museum; University of Illinois, Chicago; University of Chicago (Introduction to research at the Field Museum); Advanced Training Program in Conservation Biology, Field Museum (Fall Session); Diversidade Biológica e cultural da Amazonia em un Mundo em Transformação, Belém, Brazil
- 1997 Womens' Board (Field Museum), Nature Network (Field Museum), University of Illinois, Chicago (Ornithology)
- 1998 Ecol. and Evol. Bio. Dept., University of Illinois, Champaign/Urbana; New Volunteers (Field Museum), Intro. to Field Museum, Univ. of Chicago; North Shore Bird Club; Chiaravalle School
- 1999 Dept. of Biology, Illinois State University; Natural History Seminar, University of Chicago; Chiaravalle School
- 2000 North Shore Bird Club, Chiaravalle School
- 2001 MacArthur Foundation workshop on conservation strategies in the Albertine Rift (Cyangugu Rwanda)
- 2002 Evolutionary Morphology lecture series, University of Chicago; Loop Luncheon (Field Museum); Chicago Humanities Festival; A. Watson Armour, III Spring Symposium; Chiaravalle School
- 2003 The Field Museum lecture series
- 2004 University of Chicago Natural History Series, Oakton Elementary School
- 2005 Field Museum Founders' Council, Field Museum Africa Council, Percy Fitzpatrick Institute (Univ. Cape Town, South Africa), American Association of Zoos and Aquaria Annual Meetings (Chicago), XIII Brazilian Ornithological Congress (Belém, Brazil)
- 2006 Bessie Rhodes Elementary, Oakton Elementary (2), Field Museum docent training program
- 2007 Lake Forest College Tropical Biology Class, Valparaiso University Depts. of Chemistry and Biology, Field Associates Lake Michigan Cruise, Benedictine College Biogeography Seminar, Lake Forest College Biology Seminar series.



- 2008 Museo de Historia Natural Noel Kempff Mercado (Santa Cruz, Bol.)
- 2009 AAAS meetings (Chicago), Illinois Institute of Technology Biology Colloquium, 17<sup>th</sup> Brazilian Ornithological Congress, Vitoria, Espiritu Santo (Symposium speaker and Plenary address)
- 2010 Northern Illinois University, University of Missouri St. Louis
- 2011 Wildlife Conservation Society Workshop on Albertine Rift Climate Change, Rwanda; Workshop on Museum Communication, Museums of Malawi, Blantyre, Malawi; Laurence University
- 2012 Lake County Audubon, McHenry Co. Audubon

### AWARDS

- 1997 AOU/NSF travel award (\$750) for travel to 1998 International Ornithological Congress, Durban, South Africa.
- 1997 National Science Foundation Institutional Support Proposal. DBI-9728985 (\$73,927; 0501/98) A liquid nitrogen storage system for the genetic resources collections of the Bird and Mammal Divisions (with S. J. Hackett as PI and B. D. Patterson, and L. J. Heaney).
- 1997 National Science Foundation. Database activities in Biology. A prototype information server: An integrative collaborative system for avian biological collections information. (\$32,993, as a subcontract with Univ. of Kansas).
- 1998 National Science Foundation. DEB-9974104 (\$190,000; 10/01/99-10/01/02). Genetic structure in Amazonian birds: Morphology, vocalizations, and molecules.” (with S. J. Hackett as PI).
- 2001 John D. and Catherine T. MacArthur Foundation (\$455,000; 01/01/01-12/31/03). Conserving and Learning about Biodiversity in Democratic Republic of Congo: A Collaborative Program in Training and Education between Institut Congolais pour la Conservacion de la Nature (ICCN), Centre de Recherche en Sciences Naturelles (CRSN-Lwiro) and The Field Museum (Chicago). (PI with J. Kerbis, S. J. Hackett and D. Brinkmeier).
- 2001 National Science Foundation. DEB-0091511 (\$22,448; 01/15/01-06/01/03). International Program Dissertation Enhancement Grant for Ana Carnaval. Dissertation Research: Phylogeography of *Protoceratophrys boiei* and *Hyla geographica* (Amphibia, Anura) in rainforest fragments of Northeastern Brazil.
- 2002 National Science Foundation. OISE-0135532 (\$18,480; 06/01/01-06/01/03). International Program Dissertation Enhancement Grant for Jose Tello. Dissertation Research: Understanding the evolution of Neotropical diversity: implications from phylogenetic patterns in two co-distributed genera.
- 2002 National Science Foundation. DEB-0206596 (\$10,800; 06/01/02-06/01/04). Population Biology Dissertation Improvement Grant for Trina Roberts. Dissertation Research: Comparative phylogeography of six Philippine fruit bats (Pteropidae).
- 2002 John D. And Catherine T. MacArthur Foundation (\$480,000; 2002-2005). Building Capacity for Biodiversity Conservation, Research, and Education in Bhutan. (with L. Heaney, S. Hackett, J. Kerbis, and D. Willard). Grant returned.
- 2003 National Science Foundation. DBI-2006596 (\$268,775; 05/01/04-05/01/06). A 3730 DNA sequencer for the Pritzker Laboratory for Molecular Systematics and Evolution. (with K. Feldheim, S. Hackett, P. Goldstein and J. Wen).
- 2005 National Science Foundation. DEB-0515672 and DEB-6370231 (\$344,305; 06/01/05-06/01/08). Bridging micro and macroevolutionary patterns: Population genetics of coevolutionary history. (Co-PI with PI J. Weckstein and A. Aleixo). With REU supplements in 2006 (\$6250), 2007 (\$6000), and 2008 (\$7000).

- 2008 National Science Foundation. OISE-0841641 (\$14,375). International Program Dissertation Enhancement Grant for Lucinda Lawson. Dissertation Research: Does climate change drive population divergence in African highlands? Investigations through spatially explicit paleoclimate analyses.
- 2009 National Science Foundation. ISE panel. (\$3,293,665). On the brink: Endangered People, Places, Plants, and Animals. (Co-PI with E. Babcock, M. Mattuck, D. Bekken). Declined.
- 2010 John D. And Catherine T. MacArthur Foundation. (\$349,164; 2010-2012). Climate change in the Albertine Rift: Effects on genetic diversity of hosts and their disease-carrying parasites (with J. Kerbis).
- 2011 National Science Foundation. Dissertation Research: A genomic approach to understanding allopatric speciation in montane birds. (Ben Winger). Declined
- 2011 National Science Foundation. Dissertation Research: The effect of habitat on divergence in the tropics: A study of intraspecific diversification in the avian genus *Tangara*. (Aaron Savit). Declined
- 2011 National Science Foundation. DEB-112054 (\$537,103, 08/01/11-07/31/13). Biotic Surveys and Inventories panel. Amazonian birds and their symbionts: Biodiversity surveys of parasites from the most diverse avifauna on earth. (Co-PI with PI J. Weckstein and A. Aleixo).
- 2012 National Science Foundation. NSF BSI- 1145211 (\$500,005, 06/01/12-05/31/15). Resolving issues of species, phylogeny and radiation in a diverse group of Old World Tropical Mammals (submitted, Co-PI with J. Esselstyn, J. Kerbis, and W. Stanley).
- 2012 National Science Foundation. (\$289,379). CSBR Natural History collections: Collection storage for new collections of birds at the Field Museum of Natural History. (PI with S. Hackett and D. Willard). Awarded, then rescinded.
- 2012 National Science Foundation. Dimensions US-BIOTA-Sao Paulo- 1241066 (\$235,176, TFM portion; 09/01/12-8/31/17).: Assembly and evolution of the Amazonian biota and its environment: an integrated approach (Co-PI with Joel Cracraft and others).

### PROFESSIONAL SOCIETIES

American Ornithologists' Union (1986, Elective Member, 1997, Elected Fellow, 2004), Association of Systematics Collections (1991), British Ornithologists' Club (1989), Cooper Ornithological Society (1986), Neotropical Ornithological Society (1990), Sociedade Brasileira de Ornitologia (1996), Sigma Xi (1991), Soc. of Systematic Biology (1989), Society for Conservation Biology (1991), Wilson Ornithological Society (1987)

### SERVICE

- 1997 AOU frozen tissue round-table discussion (Co-organizer, discussion leader)
- 1998 AOU Round-table discussion on issues for small ornithological collections (panel member)  
A. Watson Armour, III Spring Symposium: "Combining molecular and paleontological data: a twofold approach for documenting major evolutionary patterns" (Co-organizer)
- 2000 International Ornithological Congress symposium on "Molecular data: problems and solutions" (Co-organizer)
- 2001 Editorial Board, Systematic Biology  
National Science Foundation International Research Fellowship Program  
(2000 Panel member)
- 2002 A. Watson Armour, III Spring Symposium: "Brazilian Ecosystems: History, management and preservation" (Co-organizer)
- 2006 International Ornithological Congress (Hamburg, Germany) symposium on "Advances in molecular systematics and phylogeography of Neotropical birds" (Co-organizer)

- 2007 VIII Neotropical Ornithological Congress paired symposia “Diversification in the Neotropics: phylogenetic patterns and historical processes” (Co-organizer and presenter).  
VIII Neotropical Ornithological Congress, workshop on collections databases (Co-organizer and presenter).
- 2007 Editorial Board, Bulletin of the Museu Paraense “Emilio Goeldi”
- 2008 Steering Committee, VertNet program
- 2012 Local Chairman, 2013 meetings of the American Ornithologists’ Union and Cooper Ornithological Society, Chicago.

Society Committees: AOU Collection Committee (member, 1998-present), Neotropical Ornithological Society (Board Member, 2004-2008), AOU Long-range planning committee (member, 1999), Cooper Ornithological Society Painton Award Committee (member, 1999), Cooper Ornithological Society Student Award Committee (member, 2000 to present).

Field Museum Committees: Pritzker Laboratory for the Study of Molecular Systematics and Evolution Management Committee (member), Animal Care and Use Committee (member, 1997-2002), Environmental Strategic Planning Committee (member, 2001), Academic Affairs Management Committee (Pritzker Lab representative, 2001-2002), Academic Affairs Licensing Committee (member, 2002), Promotions Committees (Anthropology Dept. 2006, Botany Dept. 2007), M.O.U. Committee (Chairman, 2008), Committee on Science Collections subcommittee

Reviewed manuscripts and proposals for: *The Auk*, *Wilson Bulletin*, *The Condor*, *Ornithological Monographs*, *The Ibis*, *Journal of Avian Biology*, *Ornitología Neotropical*, *The Ostrich*, *Emu*, *Western Birds*, *Ararajuba*, *Journal of Field Ornithology*, *Journal of East African Natural History*, *Annals of the Ditsong National Museum of Natural History*, *Bird Conservation International*, *Conservation Biology*, *Biological Conservation*, *Ecology*, *Evolution*, *Systematic Biology*, *Cladistics*, *Journal of Biogeography*, *Global Biodiversity Letters*, *Global Ecology and Biogeography*, *Diversity and Distribution*, *Ecography*, *Journal of Arachnology*, *Biological Jnl. Linnean Soc.*, *Zoological Jnl. Linnean Soc.*, *Zootaxa*, *Molecular Ecology*, *Molecular Phylogenetics and Evolution*, *The American Naturalist*, *Zoologica Scripta*, *Fieldiana*, *American Museum of Nat. History Novitates*, *Biota Neotropica*, *Proceedings of the Biological Society of Washington*, *Austral Ecology*, *Cotinga*, *The Birds of North America*, *Jrnl. of Raptor Biology*, *Proceedings of the X Pan African Ornithological Congress*, Graduate Women in Science Program, Yale Univ. Press, National Geographic Society, National Science Foundation, MacArthur Foundation, Smithsonian Institution, Wildlife Conservation Society, Chicago Wilderness, Royal Museum for Central Africa (Belgium) visiting scientist program, Field Museum’s Africa Council, Field Museum’s Boyd Post-doctoral Program, Museum Collections Fund.

## EXHIBITION DEVELOPMENT

Content specialist: *Genomic Revolution* (2002); *Messages from the Wilderness* (2002), *Photographs by Terry Evans* (2002), *Madagascar photos by Harald Schütz* (2004); *Year of Biodiversity and Conservation Kiosk* (2004); *Arctic National Wildlife Refuge photos* (2004) *Gregor Mendel* (2004), *Impressions of Tsavo* (2005), *Evolving Planet* (2006), *Early Childhood Learning Center* (2006-2007), *DNA Discovery Center* (2002, 2006-2008), *Restoring Earth: The Abbot Hall of Conservation* (2010-2011), *Lod Mosaic* (2011), *Nature’s toolbox* (2011-2012), *Ronald and Christina Gidwitz Hall of Birds* (2012).

## ADVISING

Post-doctoral Advising: Steffen Pauls (2005), Jason Weckstein (2005-2009)

Doctoral Thesis Advising (10): Ana Carnaval, University of Chicago (graduated 2005, currently Assistant Professor, City College of New York); Lucinda Lawson, University of Chicago (2010, currently Post-doctoral Fellow, University of Florida); Aaron Savit, University of Chicago; Ben Winger, University of Chicago; Co-advisor: Jose Tello, University of Illinois, Chicago (2005, currently Assistant Professor, Long Island University); Trina Roberts, University of Chicago (2005 currently Curator, University of Iowa Museum of Natural History); Isabel Caballero, University of Illinois, Chicago (2011); Charles Kahindo, Makerere University (2005, Currently Professor, Biology Department, Bukavu State University, D. R. Congo); Sarah Weyandt, University of Chicago (2010); Raoul Davion, Charles Sturt University.

Masters Advising/Co-advising (3): Kizungu Byamana, Makerere University (2005), Terrence Demos, U.I.C. (2005), Erik Rothacker, DePaul University (2000).

Graduate Committees (22): Rachel Collin, University of Chicago (graduated 2002); Dan Davison, U. of C. (2005); Norbert Cordeiro (2004), University of Illinois, Chicago; Joseph Oyugi (2005), University of Illinois, Chicago; Ken Jones, U.I.C. (2003); Michael Huhndorf, Illinois State University (2007); Jorge Perez, University of Missouri, St. Louis (2002), Jaqueline Goerck, U.M.S.L. (1999); Charles Kahindo, Makerere University, Uganda (2001), Marcos Maldonado-Coelho, U.M.S.L. (2010); Emma Greig, U. of C. (2010); Luca Borghesio, U.I.C. (2012); Esther Quintero, American Museum of Natural History (2011); Muhammad Abu Baker, U.I.C. (2010); Kathy Bechtoldt, University of Illinois, Champaign-Urbana; Heather Shull, Boston University (2011); Prince Kaleme, University of Cape Town; Potiphar Kaliba, University of Cape Town; Nick Block, U. of C. (2012); Eliot Miller, U.M.S.L.; Aaron Olsen, U. of C.; Allison Johnson, U. of C.

Advisor for visiting students (6): Wilsea Figueiredo, Doctoral student, Universidade Federal do Pará (supported by CAPES scholarship), Mathias Behangana, Makerere University, Kampala, Uganda; Eduardo Portes, Universidade Federal do Pará; Jose Pantané, Universidade de São Paulo, Anchalee Aowphol, Chulalongkorn University, Thailand; Sidnei Melo D'antas, Universidade Federal do Pará.

External Reviewer (5): Charles Kahindo (MSc., Makerere University, Kampala, Uganda; 2000), Keith Barnes (Ph.D., U. Capetown, 2006), Terence Suinyuy (University of Capetown, 2006), Maya Schonnenstien (Univ. Federal do Pará), Sampath Lokugalappatti (University of Capetown, 2011)

Undergraduate Interns (13): Josh Engel, Pomona College; Marci McLachlin, Northwestern University; Than Boves, University of Illinois, Campaign; Stephanie Ware, University of Illinois, Chicago; Noah Arvidson, Fort Lewis College; Erik Rothacker, DePaul University; Sean Bober, University of Illinois, Chicago; Holly Lutz, University of Chicago; Swati Patel, Northwestern University; Lauren Nowak-Boyd, Michigan State University, Luke Campillo (Drake University), Mark Swanson (Illinois Wesleyan University), Daniel Montgomery (Indiana State University)

High School Interns (17): Barney Coates (Homewood-Flossmoor H. S., 2007); Emily Cline, Caroline Moberly, Emma Claire Mihevc (Evanston Township H. S., 2008); Dylan Blanchard, Jake Hayes (E.T.H.S., 2009); Alice Welna, Miles Shatkin, Shannon Smith (E.T.H.S., 2009), Andrew McKean (Sage School, 2010), Peter Bates, Aaron Stone, Aidan Crowe, Ethan Shohet

Zabin, Jennifer Gray, Ben Moberley (E.T.H.S. 2010), Walker Kettlekamp, Ben Hullinger (E.T.H.S. 2010), Nathan Goldberg (Latin H. S. 2012)

Conservation Training Consortium participants: Salim Javed (India, 1996), Christine Dranzoa (Uganda, 1997), Oscar Gonzalez (Peru, 1999).

Congolese trainees at Field Museum (through BEATRA Program): Ndara Ruziga (2002), Muzumani Risasi (2002), Innocent Balagizi (2002).

### HONORS

*Myrsidea batesi* described in Price, R. D. and K. P. Johnson. 2006. Four new species of *Myrsidea* chewing lice (Phthiraptera: Menoponidae) from Malagasy warblers (Passeriformes). *Zootaxa* 1297:47-55.

### WEB SITES

Personal Field Museum Page: <http://fieldmuseum.org/users/john-bates>

Blog: <http://fieldmuseum.org/users/john-bates/blog>

Programme Biodiversite des Ecosystemes Aquatiques et Terrestres dans le Rift Albertin (PBEATRA) pages: <http://africanbirds.fieldmuseum.org/>

Field Museum African Birds site: <http://africanbirds.fieldmuseum.org>

Pritzker Laboratory for Molecular Systematics and Evolution Pages:

<http://fieldmuseum.org/explore/department/pritzkerlab>

Field Museum Bird Division Collection Database:

<http://fieldmuseum.org/explore/department/zoology/birds/collections>