

**J. ALBERT C. UY**  
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## **I. PERSONAL BRIEF**

Born: 1971, Republic of the Philippines

Citizenship: United State of America (immigrated to the U.S. in 1984)

## **II. EDUCATION**

**2000**            **Ph.D.**, Biology, Univ. of Maryland, College Park (Advisor: G. Borgia)  
**1994**            **A.B.**, Integrative Biology, University of California, Berkeley

## **III. PROFESSIONAL EXPERIENCE**

**2009-**            **Associate Professor.** Department of Biology, Syracuse University  
**2004-2009**      **Assistant Professor.** Department of Biology, Syracuse University  
**2002-2004**      **Assistant Professor.** Department of Biology, San Francisco State University  
**2000-2002**      **Postdoctoral Research Fellow.** National Science Foundation Biological Informatics, University of California at Santa Barbara (Sponsor: J.A. Endler)  
**Sum 2000**      **Lecturer.** Department of Biology, University of Maryland

## **IV. FELLOWSHIPS & GRANTS**

**2008**            **Research Experience for Undergraduates, National Science Foundation** (supplement to CAREER grant, see below) \$6,000  
**2007-2012**      **Division of Integrative Organismal Biology, NSF.** "CAREER: Factors that shape the evolution of multimodal signals in the chestnut-bellied flycatcher *Monarcha castaneiventris*" \$536,421  
**2003-2004**      **Starter Grant, NSF.** "Signal Divergence & Speciation in Bearded Manakins," \$50,000  
**2002**            **Mini-Grant, San Francisco State University.** "Can Changes in the Visual Environment Drive Speciation in Guppies?" \$4,800  
**2000-2001**      **Committee for Research and Exploration, National Geographic Society.** "Signal Evolution & Speciation in Kingfishers," \$16,000  
**2000-2002**      **Biological Informatics, National Science Foundation.** Postdoctoral Fellowship. "Signal Evolution and Speciation in Paradise Kingfishers," \$100,000  
**1995**            **Sigma Xi, Grant-in-aid of research.** "Sexual Selection and Speciation in Vogelkop Bowerbirds," \$800

## **V. TEACHING EXPERIENCE**

### **Syracuse University (2005-2009)**

Bio 100: Evolution in Action (for non-majors, co-taught with S. Pitnick, 24 students)  
Bio 345: Population Biology (co-taught with J. Fridley, 45-55 students)  
Bio 400: Island Ecology & Evolution (a field course in the Solomon Islands, co-taught with C. Filardi, 8-10 students; tied to CAREER grant)  
Bio 417: Laboratory in Animal Behavior (co-taught with S. Pitnick, 20 students)  
Bio 421: Seminar in Molecular Ecology (co-taught with K. Segraves, 10 students)  
Bio 421: Seminar in Human Sociobiology (14 students)  
Bio 454: Evolution (co-taught with S. Pitnick & W.T. Starmer, 10-12 students)

### **San Francisco State University (2003-2004)**

Bio 170: Animal Diversity (for non-majors, co-taught with E. Connor, 98 students)  
Bio 337: Evolution (57 students)  
Bio 478: Ornithology (lab & field course, 19 students)  
Bio 600: Animal Behavior (lab & field course, 16 students)  
Bio 862: Graduate Seminar in Speciation (15 students)

### **Research Undergraduate Students Advised**

Vincent Skovira (2009-current)  
Katelyn Heim (2009-current)  
Krystyna Rotella (2008-current)  
Jaime Bunting (2009)  
Alexa Gonzalez (2009)  
Megan Hirshberg (2008-2009; Honors in Biology)  
Daniel Baldassarre (2006-2008; Distinction in Biology)  
Edith Dooley (2006- 2008; Honors in Biology)  
Carlos Montalvo (2006- 2008; Distinction in Biology)  
David Kelley (2006 - 2007; co-advised with S. Pitnick)  
Noman Khan (2006 - 2007)  
Ryan Mackie (2006 - 2007)  
Mark J. Kielecki (2005-2006)  
Desiree Narango (2005-2006)

### **Graduate Students Advised**

Christopher Duke (Ph.D., 2009 - current)  
Jelmer Poelstra (Visiting Student from University of Groningen; 2008-2009)  
Ellen M. Wisner (Ph.D., 2006 - current)  
Jorge Luis Hurtado-Gonzales (Ph.D., 2005 - current)  
Adam C. Stein (Ph.D., 2003 - 2009)

## V. PROFESSIONAL ACTIVITIES

### Invited Talks

- 2009** Department of Neurobiology & Behavior, Cornell University, NY
- 2008** Department of Biology, University of Rochester, NY  
(*Graduate Student Committee invited speaker*)  
Department of Biology, University of Akron, OH
- 2007** Neotropical Ornithological Congress, Invited symposium speaker  
for "*Advances in Sexual Selection Theory*", Venezuela  
American Ornithological Union, Invited symposium speaker for  
"*Speciation in Passerine Birds*", Laramie, WY
- 2006** Biology Department, University of Kentucky at Lexington  
Dept of Ecology, Evolution & Natural Resources, Rutgers  
University, NJ.  
Ecology, Evolution and Behavior, Queens University, Ontario
- 2005** Dept. of Ecology, Evolution & Behavior. Univ of California at Santa  
Cruz  
Dept. of Ecology & Evolutionary Biology, Univ of Colorado at Boulder  
Department of Ecology and Evolution, Rochester University, NY
- 2003** Center for Population Biology, University of California at Davis  
Blandy Experimental Farm, University of Virginia, Boyce, VA
- 2002** Dept of Ecology, Evolution & Marine Biology, University of  
California at Santa Barbara  
Department of Biology, University of California at Riverside  
Museum of Vertebrate Zoology, University of California at Berkeley  
Dept. of Ecology, Evolution & Behavior, Univ of Minnesota at St. Paul
- 2001** Department of Biology, San Francisco State University, California  
Division of Biology, University of California at San Diego  
Department of Biology, Syracuse University, NY
- 2000** Molecular Genetics Laboratory, National Zoo, Washington, D.C.  
Department of Zoology & Entomology, University of Queensland,  
Brisbane, Australia

### Referee or Panel Member for Funding Agencies

- 2009** NSF, Panel Member, Dissertation Improvement Grant, Division of  
Integrative Organismal Biology
- 2004-2009** NSF, Referee for Division of Integrative Organismal Biology
- 2003-2006** NSF, Panel Member, Bioinformatics Postdoctoral Fellowship
- 2003** NSF, Referee for International Postdoctoral Fellowship

### *Ad hoc* Reviewer

*Proceedings of the Royal Society of London Ser. B; Philosophical Transactions of the Royal Society; Evolution; Journal of Evolutionary Biology; American Naturalist; Animal Behaviour; Behavioral Ecology & Sociobiology; Behavioral Ecology; Ethology; Auk; Ibis; Emu; Condor; Evolutionary Ecology*

## VI. PUBLICATIONS

### *Peer-reviewed Publications*

- Uy, J.A.C.**, R.G. Moyle, C.E. Filardi & Z.A. Cheviron. 2009. Difference in plumage color used in species recognition between incipient species is linked to a single amino acid substitution in the melanocortin-1 receptor. *American Naturalist*. 174: 244-254.
- Pitnick, S., K. Henn, S. Maheux, D.M. Higginson, J.L. Hurtado-Gonzales, M.K. Manier, K. Berben, C. Gupstill & **J.A.C. Uy**. 2009. Size-dependent alternative male mating tactics in the yellow dung fly, *Scathophaga stercoraria*. *Proc. Royal Society of London, Series B*. doi:10.1098/rspb.2009.0632.
- Hurtado-Gonzales, J.L. & **J.A.C. Uy**. 2009. Alternative mating strategies may favor the persistence of a genetically based colour polymorphism in a pentamorphic fish. *Animal Behaviour* 77: 1187-1194
- Uy, J.A.C.**, R. Moyle & C.E. Filardi. 2009. Plumage color & song differences mediate species recognition between incipient flycatcher species of the Solomon Islands. *Evolution* 63: 153-164.
- Reynolds, S., M.C. Christman, **J.A.C. Uy**, G.L. Patricelli, M.J. Braun & G. Borgia. 2009. Lekking satin bowerbird males aggregate with relatives to mitigate aggression. *Behavioral Ecology* 20: 410-415.
- Tori, W.P., R. Duraes, T.B. Ryder, M. Anciaes, J. Karubian, R. Macedo, **J.A.C. Uy**, P. Parker, T.B. Smith, A.C. Stein, M. Webster, J.G. Blake & B.A. Loiselle. 2008. Advances in sexual selection theory: Insights from tropical avifauna. *Ornitologia Neotropical* 19: S151-S163 (synthesis from symposium at the Neotropical Ornithological Congress).
- Uy, J.A.C.** & A.C. Stein. 2007. Variable visual habitats may influence the spread of colourful plumage across an avian hybrid zone. *Journal of Evolutionary Biology* 20: 1847-1858.
- Reynolds, S.M., K. Dryer, J. Bollback, **J.A.C. Uy**, G.L. Patricelli, T. Robson, G. Borgia & M.J. Braun. 2007. Behavioral paternity predicts genetic paternity in satin bowerbirds, a species with a non-resource-based mating system. *The Auk* 124: 857-867.
- Stein, A.C. & **J.A.C. Uy**. 2006. Plumage brightness predicts male mating success in the lekking golden-collared manakin. *Behavioral Ecology*. 17: 41-47.
- Stein, A.C. & **J.A.C. Uy**. 2006. Unidirectional introgression of a secondary sexual character: A role for female choice? *Evolution*. 60: 1476-1485.
- Uy, J.A.C.** & J.A. Endler. 2004. Modification of the visual background increases the conspicuousness of golden-collared manakin displays. *Behavioral Ecology*. 15: 1103-1015.
- Patricelli, G. L., **J.A.C. Uy** & G. Borgia. 2004. Female signals enhance the efficiency of mate assessment in satin bowerbirds (*Ptilonorhynchus violaceus*). *Behavioral Ecology*. 15: 297-304.
- Patricelli, G. L., **J.A.C. Uy** & G. Borgia. 2004. Multiple male traits interact: attractive bower decorations facilitate attractive behavioural displays in satin bowerbirds. *Proceedings of the Royal Society of London, Series. B*. 270: 2389-2395.

### **Peer-reviewed Publications (continued)**

- Borgia, G., M. Egeth, **J.A.C. Uy** & G.L. Patricelli. 2004. Juvenile infection and male display: Testing the bright male hypothesis across individual life histories. *Behavioral Ecology*. 15: 722-728.
- G. L. Patricelli, **J.A.C. Uy** & G. Borgia. 2002. Male displays adjusted to female's response. *Nature*, 415: 279-280.
- Uy, J.A.C.**, G. L. Patricelli & G. Borgia. 2001. Complex mate searching in the satin bowerbird *Ptilonorhynchus violaceus*. *Am. Naturalist*, 158: 530-542.
- Uy, J.A.C.**, G. L. Patricelli & G. Borgia. 2001. Loss of attractive mates forces female satin bowerbirds *Ptilonorhynchus violaceus* to increase mate searching. *Proceedings of the Royal Society of London, Series B.*, 268: 633-638
- Uy, J.A.C.** & G. Borgia. 2000. Sexual selection drives rapid divergence in bowerbird display traits. *Evolution*, **54**: 273-278.
- Uy, J.A.C.**, G. L. Patricelli & G. Borgia. 2000. Dynamic mate-searching tactic allows female satin bowerbirds *Ptilonorhynchus violaceus* to reduce searching. *Proc. Royal Society of London, Series B.*, 267: 251-256.
- Kusmierski, R., G. Borgia, **J.A.C. Uy** & R. Crozier. 1997. Labile evolution of display traits in bowerbirds indicates reduced effects of phylogenetic constraints. *Proc. Royal Society of London, Series B.*, 264: 307-313.

### **Lay Articles**

- Uy, J.A.C.** 2002. Say it with bowers. *Natural History* vol. 111, Issue 2, pp. 76-83.