

UDO M. SAVALLI

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BIRTHDATE AND PLACE: 27 May 1962 in Konstanz, West Germany.

CITIZENSHIP: U.S.A.

EDUCATION:

1991 Ph.D. in Zoology, **University of California, Berkeley, CA.** Thesis: *Sexual Selection and the Evolution of Tail Length in the Yellow-shouldered Widowbird.*

1985 B.A. (with Distinction) in Biological Sciences, **Cornell University**, Ithaca, NY.

ACADEMIC HONORS, AWARDS AND GRANTS:

2003 LCC Faculty Mini-Grant: "Creation of an Online Virtual Lab for BSL 111," \$1000.

To create pages at: <http://www.uky.edu/LCC/BIO/Biology/BiologyLabs/BSL111/>

1994 Honorable Mention, Founders Poster Competition, Animal Behavior Society

1994 American Philosophical Society Grant, \$3450.

1990 University of California Research Expeditions Program Grant, \$8040.

1989 University of California Research Expeditions Program Grant, \$6900.

1988 A. Wetmore Memorial Grant, American Ornithologist's Union, \$596.

1988 Animal Behavior Society Grant, \$425

1988 Sigma Xi Grant-in-aid, \$350.

PROFESSIONAL SERVICE:

Instructor for 1 week course for college-bound 7th grade students on the *Biology of Dinosaurs*, **Barrett Summer Scholars**, ASU, 2013 & 2014

Development and management of Virtual Lab Web Pages for Bio 137 & Bio 139 (Human Anatomy and Physiology I and II) at Bluegrass Community & Tech. College.

Course Coordinator for Bio 137 (Human Anatomy and Physiology I). 2005-2006, Bluegrass C.&T.C. Duties included developing laboratories, syllabus, and course policies, holding weekly lab meetings for instructors, interacting with support staff, and writing and setting up lab exams.

Committees: Web Page Committee (2006), Bio 187/188 (General Biology) Course Review Committee (2007-2008)

Reviewer (last 4 years) for: *Journal of Arid Environments*, *Journal of Evolutionary Biology*, *Ethology* and W.H. Freeman & Co. (textbook chapters)

EMPLOYMENT

- 2013-15 **Lecturer Senior**, School of Mathematical and Natural Sciences, Arizona State University West Campus, Phoenix, AZ
- 2006-13 **Lecturer**, School of Mathematical and Natural Sciences, Arizona State University West Campus, Phoenix, AZ
- 2004-06 **Full-time Temporary Faculty**, Division of Natural Sciences, Bluegrass Community & Technical College (formerly Lexington Community College), Lexington, KY
- 1999-04 **Part-time Faculty**, Division of Biological Sciences and Nursing, Lexington Community College, Lexington, KY
- 2002-04 **Part-time Instructor**, Department of Earth Sciences, Eastern Kentucky University, Richmond, KY
- 1999-02 **Postdoctoral Scientist**, Department of Entomology, University of Kentucky, Lexington, KY in the laboratory of Dr. Charles Fox.
- 1996-99 **Adjunct Assistant Professor**, Louis Calder Ecology Center, Fordham University, Armonk, NY; postdoctoral research with Dr. Charles Fox on sexual selection and behavioral ecology in beetles.
- 1995-96 **Assistant Professor** (temporary), Department of Biology, Allegheny College, Meadville, PA.
- 1994 **Lecturer**, Department of Wildlife and Fisheries Biology, University of California, Davis, CA.
- 1992-93 **Lecturer**, Department of Wildlife, Humboldt State University, Arcata, CA.
- 1992 **Lecturer**, Departments of Integrative Biology and Molecular and Cell Biology, U.C. Berkeley.
- 1992 **Instructor**, University of California Botanical Garden, teaching *Beginning Birding* (a 9-week bird-watching class for the general public).
- 1989-90 **Expedition Leader** of 3 University of California Research Expeditions (UREP) to the Kakamega Forest, Kenya.
- 1985-91 **Teaching Assistant**, Departments of Zoology, Molecular & Cell Biology, and Integrative Biology, University of California at Berkeley.
- 1990 **Reader**, Department of Integrative Biology, University of California at Berkeley.
- 1987, 89 **Curatorial Assistant**, Bird Department, Museum of Vertebrate Zoology, University of California.
- 1984-85 **Field and Laboratory Assistant** for R. Rosenberg, studying population biology, genetics and behavior of *Limenitis wiedemeyerii* (Lepidoptera).

COURSES TAUGHT:**Graduate Courses**

Seminar in Wildlife Management (Humboldt State; topic: bird-parasite interactions).

Upper Division/Advanced Courses

Vertebrate Zoology (Arizona State Univ.; lectures and labs)

Invertebrate Zoology (Arizona State Univ.; lectures and labs)

(Organic) Evolution (Arizona State Univ.; Allegheny College; lectures)

Ecology (Arizona State Univ.; lectures and labs)

Animal Behavior (Allegheny College; lectures, labs, and discussions)

Ornithology (Humboldt State Univ.; & U.C. Davis; lectures, laboratories, field trips)

Natural History of the Vertebrates (U.C. Berkeley; T.A. for lab and field sections)

Wildlife Ecology (U.C. Davis; lectures)

Conservation Biology (U.C. Davis; lectures)

Lower Division/Introductory Courses

Introduction to Evolution, Behavior, and Ecology (Allegheny College; part of 3-semester introductory biology sequence; lectures and laboratories)

General Biology (for majors) I & II (Arizona State Univ., Bluegrass Comm. & Tech. College, Georgetown College, Fordham Univ., U.C. Berkeley; lectures and labs)

Human Anatomy and Physiology I (Bluegrass Community & Technical College and Arizona State Univ.; lectures and laboratories)

Human Anatomy and Physiology II (Arizona State Univ.; lectures and laboratories)

Non-majors/General Education Courses

Dinosaurs (Arizona State University; lectures and labs; new course developed for ASU)

Natural History of Arizona (Arizona State University; lectures and field-based labs)

The Biology of Behavior (Allegheny College; lectures)

Ornithology for non-majors (Allegheny College; lectures, laboratories, field trips)

Wildlife Ecology and Management (Humboldt State; lectures & discussions)

Human Ecology (Bluegrass C.&T.C., lectures; Fordham Univ., lectures and laboratories)

Basic Ideas of Biology (Bluegrass C.&T.C.; lectures)

Animal Biology (U.C. Berkeley; T.A. for discussion sections)

Primate Biology (U.C. Berkeley; T.A. for discussion sections)

OTHER STUDENT MENTORING ACTIVITIES:

Supervision of Honors Thesis Research Project for Barrett Honors College at ASU:

Fall 2012-Spring 2013 “The Effects of Introduced Eurasian Collared Doves on Native Dove Populations”

Reader for Undergraduate Honors Theses at Arizona State University: 4 students

Honors Enrichment Contracts (“Footnote 18”) at Arizona State University: 20 students

Supervision of Student Senior Thesis Research Projects at Allegheny College (9 students)

PEER-REVIEWED PUBLICATIONS

- Savalli, U.M., & Fox, C.W.** 2002. Proximate mechanisms influencing egg size plasticity in the seed beetle *Stator limbatus* (Coleoptera: Bruchidae). *Annals Entom. Soc. Amer.* **95**: 724-734.
- Savalli, U.M.** 2001. Sexual selection. Pp 207-221 in: C.F. Fox, D. Roff, and D. Fairbairn, eds., *Evolutionary Ecology: Concepts and Case Studies*. Oxford Univ. Press
- Savalli, U.M., Czesak, M.E., and Fox, C.W.** 2000. Paternal investment in the seed beetle, *Callosobruchus maculatus* (Coleoptera: Bruchidae): Variation among populations. *Annals Entom. Soc. Amer.* **93**: 1173-1178.
- Fox, C.W., and Savalli, U.M.** 2000. Maternal effects mediate host expansion in a seed-feeding beetle. *Ecology* **81**: 3-7.
- Fox, C.W., Czesak, M.E., and Savalli, U.M.** 1999. Environmentally based maternal effects on development time in the seed beetle *Stator pruininus* (Coleoptera: Bruchidae): consequences of larval density. *Environ. Entomol.* **28** (2).
- Savalli, U.M., and Fox, C.W.** 1999. The effect of male mating history on paternal investment, fecundity, and female remating in the seed beetle *Callosobruchus maculatus*. *Functional Ecology* **13**: 169-177.
- Savalli, U.M., and Fox, C.W.** 1999. The effect of male size, age, and mating behavior on sexual selection in the seed beetle *Callosobruchus maculatus*. *Ethology Ecology and Evolution* **11**: 49-60.
- Savalli, U.M., and Fox, C.W.** 1998. Genetic variation in paternal investment in a seed beetle. *Animal Behaviour* **56**: 953-961.
- Savalli, U.M., and Fox, C.W.** 1998. Sexual selection and the fitness consequences of male body size in the seed beetle *Stator limbatus*. *Animal Behaviour* **55**: 473-483.
- Fox, C.W., and Savalli, U.M.** 1998. Inheritance of environmental variation in body size: superparasitism of seeds affects progeny and grandprogeny body size via a nongenetic maternal effect. *Evolution* **52**: 172-182.
- Savalli, U.M.** 1997. The role of male territories in the mating system of the Yellow-shouldered Widowbird *Euplectes macrourus*. *Ibis* **139**: 374-378.
- Grasso, M.J., Savalli, U.M., and Mumme, R.** 1996. Status signalling in Dark-eyed Juncos: perceived status of other birds affects dominance interactions. *Condor* **98**: 636-639.
- Savalli, U.M.** 1995. Morphology, territoriality and mating system of the Pintailed Whydah *Vidua macroura*. *Ostrich* **66**: 129-134.

PUBLICATIONS, CONTINUED

- Savalli, U.M.** 1995. Does rainfall constrain the evolution of tail length in widowbirds? *Ethology Ecology & Evolution* **7**: 379-385.
- Savalli, U.M.** 1995. The evolution of tail-length in widowbirds (Ploceidae): tests of alternatives to sexual selection. *Ibis* **137**: 389-395.
- Savalli, U.M.** 1995. The evolution of coloration and ornamentation in birds: a review of hypotheses. *Current Ornithology* **12**: 141-190.
- Savalli, U.M.** 1994. Mate choice in the yellow-shouldered widowbird: correlates of male attractiveness. *Behavioral Ecology and Sociobiology* **35**: 227-234.
- Savalli, U.M.** 1994. Tail length affects territory ownership in the yellow-shouldered widowbird. *Animal Behaviour* **48**: 105-111.
- Savalli, U.M.** 1994. Sexual dimorphism and sex ratio in the Yellowshouldered Widowbird *Euplectes macrourus* *soror*. *Ostrich* **65**: 297-301.
- Savalli, U.M.** 1993. The timing of breeding and moult of the Yellowmantled Widowbird *Euplectes macrourus* in western Kenya. *Ostrich* **64**: 49-56.
- Savalli, U.M.** 1993. The behaviour of male Yellowmantled Widowbirds *Euplectes macrourus* in western Kenya. *Ostrich* **64**: 57-62.
- Savalli, U.M.** 1993. An application of the neutral model to the evolution of tail length in the genus *Euplectes* (Aves, Ploceidae). *Evolution* **47**: 696-699.
- Savalli, U.M.** 1991. New bird records for the Kakamega Forest, Kenya, including new breeding records. *Scopus* **15**: 35-41.
- Savalli, U.M.** 1990. Interspecific aggression for food by a granivorous bird. *Condor* **92**: 1082-1084.