

M. Aaron Owen

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EDUCATION

Doctor of Philosophy (Ecology, Evolution and Behavioral Biology), The Graduate Center, City University of New York, in progress. Proposed dissertation: “The evolutionary ecology of sociality and sexual selection: a cases study of the small Indian mongoose (*Herpestes auropunctatus*).

Master of Philosophy (Ecology, Evolution and Behavioral Biology), The Graduate Center, City University of New York, 2013.

Master of Science (Ecology, Evolution and Behavioral Biology), Purdue University, 2010. Thesis: “Proximate mechanisms of mate choice in zebrafish (*Danio rerio*).”

Bachelor of Science (Biology), Northern Illinois University, 2008.

RESEARCH PROJECTS (PAST AND PRESENT)

- Sexual selection and evolution in the small Indian mongoose (*Herpestes auropunctatus*) (GC, CUNY)
- Assessment of social sciences’ appropriation of human sexual selection (GC, CUNY)
- Female mating response to novel male coloration in zebrafish (*Danio rerio*) (PU)
- Restlessness variation among mated and virgin males of the parasitoid (*Splangia endius*) (NIU)

TEACHING EXPERIENCE

- Queens College, 2014
 - Life-forms and Ecosystems (BIOL 106)
- Queens College, 2013
 - Life-forms & Ecosystems (BIOL 106)
 - Animal Behavior (BIOL 345W)
 - Advanced Animal Behavior (BIOL 685.4)
- Queens College, 2012
 - Life-forms & Ecosystems (BIOL 106)
 - Animal Behavior (BIOL 345W)
- Queens College, 2011
 - Life-forms & Ecosystems (BIOL 106)
- Purdue University, 2010
 - Biology for Elementary Education (BIOL 206)
- Purdue University, 2009
 - Introduction to Biology (BIOL 286)
 - Biology for Elementary Education (BIOL 206)
- Purdue University, 2008
 - Introduction to Biology (BIOL 195z)

REVIEW SERVICES

- Wiley-Blackwell
- Behavioral Ecology and Sociobiology

OTHER EXPERIENCE

- Co-coordinator, 2nd Annual CUNY Animal Behavior Initiative Conference, GC, CUNY, 2013
- Biology Student Representative, GC, CUNY Graduate Council, 2012-2014
- Student Member, GC, CUNY EEB Advisory Committee, 2012
- Co-Head Coach, borough of Queens girls HS wrestling team, NYC, 2012 – present
- Assistant Coach, Townsend Harris HS wrestling team, NYC, 2010 – present
- Creator and President, CUNY EEB Journal Club, 2010 – present
- Judge, Lafayette Regional Science and Engineering Fair, Purdue University, 2010
- Volunteer Coach, Purdue University wrestling team, 2008

HONORS, AWARDS AND GRANTS

- Sigma Xi Grants in Aid of Research, 2013
- Queens College Doctoral Student Grant, 2013
- Fulbright Research Fellow - India (Fulbright-Nehru Fellow), 2013-2014
- Queens College Conference Presentation Travel Award, 2013
- CUNY Graduate Center Doctoral Student Research Grant, 2013
- Queens College Doctoral Student Grant, 2012
- CUNY Graduate Center Science Scholarship, 2010-2015
- Victory Scholar, 2004-2008
 - Awarded to student-athletes with a 3.5 GPA or better
- Dean's List, 2003-2008
- Mid-American Conference All-Academic Wrestling Team, 2006
 - Awarded to competitors in the MAC tournament with the highest GPA
- NIU Wrestling Upperclassmen All-Academic Award, 2005, 2006
 - Awarded to wrestler with the best GPA
- Introductory Chemistry Award, 2005
 - Awarded to the top 10 students in both introductory chemistry courses
- NIU Wrestling Freshmen All-Academic Award, 2004
 - Awarded to freshmen wrestler with the highest GPA

PROFESSIONAL SOCIETY MEMBERSHIP

- Animal Behavior Society
- American Society of Mammalogists
- International Society of Behavioral Ecology
- National Center for Science Education

ADVISING

- Jessica Mahoney, B.S. Honors. 2011, Department of Biology, Purdue University. Thesis: "Color vs. size: Mate preference in zebrafish (*Danio rerio*).

PUBLICATIONS

Owen, M.A. (In prep). The evolution of introduced animals: A review.

Owen, M.A. & D.C. Lahti. (In review). Criteria for preliminary identification of a sexually selected trait, and case study of the small Indian mongoose (*Herpestes auropunctatus*).

Mahoney, J., **M.A. Owen**, & R.D. Howard. (In review). Color vs. size: Mate preference in zebrafish (*Danio rerio*).

Owen, M.A., K. Rohrer & R.D. Howard. 2012. Mate choice for a novel male phenotype in zebrafish (*Danio rerio*). *Animal Behaviour*. 83: 811-820.

King, B. & **M.A. Owen**. 2012. Post-mating changes in restlessness, speed and route directness in males of the parasitoid wasp *Spalangia endius* (Hymenoptera: Pteromalidae). *Journal of Insect Behavior*. 25: 309-319.

PRESENTATIONS

Queens College, Department of Biology, City University of New York, NY. "Sex and behavior." November 2014

South and Central Asia Fulbright Research Conference, Chennai, India. "The biological and cultural impacts of the invasive small Indian mongoose." March 2014.

Young Ecologists Talk and Interact (YETI), Zunheboto District, Nagaland, India. "Insights into the mating behavior of the invasive small Indian mongoose." December 2013.

Annual Meeting of the Animal Behavior Society, Boulder, CO. "Sexual selection in the invasive small Indian mongoose (*Herpestes auropunctatus*)." August 2013.

2nd Annual CUNY Animal Behavior Initiative Conference, New York, N.Y. "Sexual dimorphism in the small Indian mongoose: Implications for sexual selection." April 2013.

Queens College, Department of Biology, City University of New York, NY. "Choosing and competing for mates." March 2013

Queens College, Department of Biology, City University of New York, NY. "Invasive species research: Evolution, conservation, and management." October 2012.

Queens College, Department of Biology, City University of New York, NY. "Introduction to sexual selection." March 2012.

Queens College, Department of Biology, City University of New York, NY. "Sexual selection." November 2011.

Joint Meeting of the Animal Behavior Society and the International Ethological Society, Bloomington, IN. "Female preference for a novel male phenotype in zebrafish (*Danio rerio*)." 2011.

Annual Meeting of the Society for the Study of Evolution, Norman, OK. "Mate choice for a novel male phenotype in zebrafish (*Danio rerio*)." 2011.

Annual Meeting of the Ecological Society of America, Pittsburgh, PA. "Staying *in* the red: Mating preferences for novel coloration in zebrafish (*Danio rerio*)." 2010.

Annual Midwest Ecology and Evolutionary Conference, Ames, IA. "Staying *in* the red: Mate preference in zebrafish (*Danio rerio*)." 2010.

Purdue University Sigma Xi Research Competition, West Lafayette, IN. "Staying *in* the red: Mate preference in zebrafish (*Danio rerio*)."
2010.