

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: "Evolution and sexual selection in the globally invasive 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)
- 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
 - Life-forms & Ecosystems (BIOL 106)
 - Animal Behavior (BIOL 345W)
 - Advanced Animal Behavior (BIOL 685.4)
- Purdue University
 - Introduction to Biology (BIOL 195z)
 - Biology for Elementary Education (BIOL 206)
 - Introduction to Biology (BIOL 286)

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

- CUNY Graduate Center Dissertation Fellowship, 2015-2016
- CUNY Graduate Center Doctoral Student Research Grant, 2015
- Queens College Doctoral Student Grant, 2015
- 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, 2003-2008
 - 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.** & D.C. Lahti. (In review). Sexual dimorphism and condition dependence 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

- Annual Biology Department Symposium, Queens College, City University of New York, NY. "Relaxed sexual selection following introduction in the small Indian mongoose (*Herpestes auropunctatus*)." January 2015.
- 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.