DONATA R. HENRY, PH.D.

Ecology and Evolutionary Biology Tulane University New Orleans, LA. 70118 <u>droome@tulane.edu</u>

EDUCATION

2005	Ph.D.	Ecology and Evolutionary Biology	Tulane University, New Orleans, LA
1995	B.S.	Biology	Antioch College, Yellow Springs, OH
PROFF	ESSION	AL EXPERIENCE	
July 20	16	SENIOR PROFESSOR OF THE PRACTICE	

July 1 010	Ecology and Evolutionary Biology	Tulane University, New Orleans
2010-2015	PROFESSOR OF THE PRACTICE Ecology and Evolutionary Biology	Tulane University, New Orleans
2005-2010	LABORATORY SUPERVISOR AND LECTUR Ecology and Evolutionary Biology	ER Tulane University, New Orleans

TEACHING EXPERIENCE AT TULANE UNIVERISTY

2015	Instructor EDUC 5100 Cocondom Matheda of Tooshing (II)
2015	Instructor, EDUC 5100 Secondary Methods of Teaching (II)
2014-2015	Instructor, EBIO2660 Natural History of Denmark
2014-2016	Instructor, EBI01230/2130 Diversity of Animal Behavior
2013-2016	Instructor, EBIO4560 Women in Science, Service Learning seminar
2011-2016	Co-Instructor, COLQ4120 Grand Canyon Colloquium
2009-2016	Instructor and Course Coordinator, EBIO4970/4980/5970 Issues in Contemporary Ecology
	and Evolutionary Biology, Senior Capstone
2005-2016	Lab Supervisor, EBIO1015 Diversity of Life Laboratory (16-18 sections each semester)
2008-2016	Instructor, EBI02330/2335 Natural History of Louisiana Lecture and Laboratory
2012-2015	Instructor, EBIO2395 Restoring Coastlines and Savannahs, Service Learning add-on
2006-2015	Lab Supervisor, EBIO3045 General Ecology Laboratory (3-4 sections each fall)
2012-2015	Instructor, EBIO2020 Theory and Methods in Ecology and Evolutionary Biology
2006-2014	Instructor, EBI01015 Diversity of Life Laboratory, Tulane Summer School
2011	Instructor, EBIO4890 Conservation Biology Education and Awareness, Service Seminar
2006-2011	Instructor, EBI01230 Diversity of Animal Behavior
2010	Instructor, EBIO 3040/7045 General Ecology
2007	Instructor, EBIO681 Journal Review in Ecology and Evolutionary Biology
2002-2004	Teaching Assistant, EBIO420 Ornithology Laboratory
2001-2004	Teaching Assistant, EBIO 314 General Ecology Laboratory
2000-2001	Teaching Assistant, EBIO431 Plant Systematics Laboratory
1998-2000	Teaching Assistant, EBI0111 Diversity of Life Laboratory

TEACHING AWARDS AND HONORS

2015	Honors Professor of the Year
2015	Suzanne and Stephen Weiss Presidential Fellowship Award, Finalist
2013	Graduate Studies Student Association Outstanding Faculty Award for the School of Science
	and Engineering
2013	National Academies Education Mentor in the Life Sciences
2011	National Academies Education Fellow in the Life Sciences
2011	Newcomb College Annual Mortar Board Award for Excellence in Teaching

2011 Newcomb College Annual Mortar Board Award for Excellence in Teaching

TEACHING ENRICHMENT AND SERVICE

2016	Summer Institute Impact Project, Yale University's Center for Teaching and Learning, <i>Invited</i> Collaborator
2016	CELT Book Club, What the Best College Professors Do
2015-2016	EBIO Professor of the Practice Search, <i>Committee Chair</i>
2014-2016	CELT Faulty Fellow Peer Observer
2015	PSYC 7240 College Teaching Pedagogy, Invited Speaker
2015	The Teaching Professors Technology Conference, Group Work Strategy Swap Facilitator
2015	Provost and CELT Successful Use of Teaching Portfolios Workshop with Peter Seldin
2015	CELT Brown Bag Session, Invited Speaker on the CREATE pedagogy
2012-2015	CELT Graduate Student Teaching Workshop, Invited Speaker on Active Learning
2014	CELT Training Workshop in Peer Observation with William Buskist of Auburn University
2014	CELT Book Club, Clueless in Academe
2013	LSU Summer Institute on Scientific Teaching, Invited Facilitator
2013	CREATE Faculty Development Workshop, Hobart and William Smith Colleges
2013	AAU STEM Education Initiative grant proposal, Invited Contributor
2013	CELT Brown Bag Session, Invited Speaker on Active Learning
2013	CELT Book Club, How People Learn
2012	Global Health Systems Department Doctoral Seminar, Invited Speaker on Teaching
2012	Yale Summer Institute on Scientific Teaching, Invited Facilitator
2012	Summer Institute on Undergraduate Education in Biology, follow-up at HHMI
2012	NSF Scientific Teaching Assessment and Resources Mini-Institute Reunion, LSU
2011-2012	Center for Engaged Learning and Teaching (CELT), Teaching Fellow
2011	HHMI/ National Academies Summer Institute on Undergraduate Education in Biology,
	University of Wisconsin, Madison
2011	NSF Scientific Teaching Assessment and Resources Mini-Institute, LSU, Baton Rouge

UNIVERSITY SERVICE AND COLLABORATIVE ACTIVITIES

- 2016-2019 Professor of the Practice Promotion Advisory Committee, *Elected*
- 2015-2016 Undergraduate Curriculum Committee, Tulane School of Science & Engineering
- 2015-2016 Gender and Sexuality Studies Program, *SSE Faculty Representative*
- 2014-2016 Tulane University Undergraduate Research Journal, *Editorial Board and Reviewer*
- 2014-2016 Tulane University Pre-Veterinary Society, *Faculty Advisor*
- 2014-2016 Butler Larks and Owls Honors Society, *Faculty Fellow*
- 2013-2016 Student Affairs Committee of the University Senate
- 2012-2016 Girls in STEM at Tulane, *Community Outreach Program Founder and Co-Director*
- 2011-2016 Center for Public Service, *Departmental Liaison*
- 2011-2016 Newcomb Women in Science, *Faculty Advisor*
- 2008-2016 Newcomb Fellows Program, *Fellow*
- 2008-2016 EBIO Undergraduate Fellows Program, *Supervisor* (6-12 students per semester)
- 2005-2016 EBIO Graduate Teaching Assistants, *Supervisor* (8-14 students per semester)
- 2009-2016 K-12 Science Education Outreach, St. Tammany Parish schools
- 2013-2015 Newcomb Institute Oak Wreath Award, Selection Committee

UNIVERSITY SERVICE AND COLLABORATIVE ACTIVITIES continued

2012-2015	University Joint Hearing Board, SSE Representative
2014	NSF SRN Counter-Urban Sustainability: Global Transdisciplinary Research Network on
	Shrinking Cities, Grant application Outreach Collaborator
2013	Spring SSE Research Days Poster Judge
2012-2014	Weatherhead Hall Environmental Sciences Society, Faculty Fellow
2013-2014	Louisiana Master Naturalists Program, Advisory Board
2013	Young Audiences of Louisiana Advancing Science Learning NSF proposal, Academic Advisor
2012	Newcomb Institute Daisy Chain, Selection Committee
2012	Louisiana Journal of Ornithology, <i>Reviewer</i>
2012	Greater New Orleans Science and Engineering Fair, Judge
2011-2013	Task Force on Professor of the Practice Reappointment, Committee Member
2011-2014	Newcomb Tulane College Honor Board
2011-2013	Undergraduate Curriculum Committee, Tulane School of Science & Engineering
2011	Invited Guest Lecturer, INTU 2000 Newcomb Scholars Seminar
2011	Tulane Center for Public Service, Faculty Seminar
2010	Global Reference on the Environment, Energy, and Natural Resources, Reviewer
2009	Curriculum Review Committee, EBIO department, Tulane
2008	Diversity of Life Laboratory Review Committee, Chair, EBIO department, Tulane
2007	National Audubon Society special invitation advocacy workshop on aquatic invasive species
	legislation, Washington D.C., Environmental Lobbyist
2002	Wilson Ornithological Society, Reviewer
2002	3 rd North American Ornithological Conference, New Orleans, LA, <i>Graduate Student</i>
	Committee Chair and Volunteer Coordinator

PUBLICATIONS

Henry, D.R., D. A. Miller and T. W. Sherry. 2015. Integrating wildlife conservation with commercial silviculture — Demography of the Swainson's Warbler (*Limnothlypis swainsonii*), a migrant bird of conservation concern in southern pine forests, USA, Precious Forests - Precious Earth, Dr. Miodrag Zlatic (Ed.), ISBN: 978-953-51-2175-6, InTech, DOI: 10.5772/61168. Available from: http://www.intechopen.com/books/precious-forests-precious-earth/integrating-wildlife-conservation-with-commercial-silviculture-demography-of-the-swainson-s-warbler-

Ellis, V.A., Collins, M.D., Medeiros, M.C.I., Sari, E.H.R., Coffey, E.D., Dickerson, R.C., Lugarini, C., Stratford, J.A., **Henry, D.R**., Merrill, L., Matthews, A.E., Hanson, A.A., Roberts, J.R., Joyce, M., Kunkel, M.R. & Ricklefs, R.E. 2015. Local host specialization, host-switching, and dispersal shape the regional distributions of avian haemosporidian parasites. *Proceedings of the National Academy of Sciences*, **112**, 11294–11299.

Henry, D.R. and B.E. Fleury. 2016. Diversity of Life Laboratory Manual. *Tulane University*. (Updated each semester)

Sherry, T.W. and **D.R. Henry**. 2015. Laboratory Manual for General Ecology. *Tulane University*. (Updated annually)

Henry, D.R. and T.W. Sherry. 2004. Reproductive success and habitat selection of Swainson's Warbler in managed pine versus bottomland hardwood forests. PhD Dissertation, *Tulane University*.

Henry, D.R. 2003. Notes on the breeding biology of Swainson's Warblers. *Louisiana Ornithological Society Newsletter*

Consulted on the Birds of North America Swainson's Warbler Species Account, *Cornell Lab of Ornithology and the American Ornithologist's Union*

PUBLICATIONS in REVIEW/ PREPARATION

Ellis, V.A., M.C I. Medeiros, M.D. Collins, E.H.R. Sari, E.D. Coffey, R.C. Dickerson, C. Lugarini, J.A. Stratford, **D.R. Henry**, Loren Merrill, Alix E. Matthews, Alison A. Hanson, J. R. Roberts, M. Joyce, M.R. Kunkel and R.E. Ricklefs. Parasite prevalence is positively related to the relative abundance of host species at multiple sites within a region. *Journal of Animal Ecology, in review.*

Henry, D.R. and T.W. Sherry. Habitat selection by Swainson's Warblers in two different habitat types: common denominators and scale dependency. *Intended for Ecology.*

O'Brien, L.T., P. Gilbert, A. Hitti, E. Schaffer, A. Van Camp, & **D.R. Henry**. Improving girls' sense of fit in science: Increasing the impact of role models.

Henry, D.R. and T.W. Sherry. Lack of ecotypic variation in Swainson's Warblers breeding in two different habitat types: morphometric and nest site evidence. *In preparation for the Journal of Louisiana Ornithology.*

RESEARCH AND FIELD EXPERIENCE

2014-2016	Assessing student response to STEM workshops · Collaboration with Laurie O'Brien
	(Tulane)
2005-2015	Monitoring Avian Productivity and Survivorship Bird Banding Station · Master Bander,
	Station Co-founder and Operations Manager, Pearl River, LA. Sponsored by the LDWF
2014	Extending CREATE demographically and geographically to test its efficacy on diverse
	populations of learners at 2 year and 4 year institutions • Collaboration with Sally
	Hoskins (City College New York) and Kristy Kenyon (Hobart and Williams Smith Colleges)
2013	Malaria Monitoring Project · Collaboration with Vincenzo Ellis and Robert Ricklefs
	(University of St. Louis, Missouri)
1998-2004	Tulane University Dissertation Research · PhD Research. New Orleans, LA
1999-2003	Monitoring Avian Productivity and Survivorship Bird Banding Station · Assistant
Bander	
1999-2000	Avian Research and Conservation Institute · Swallow-tailed Kite Breeding Biology
	Research Assistant, Krotz Springs, LA
1998	Rockefeller Wildlife Refuge · Seaside Sparrow Habitat Conservation Research Assistant,
	Cameron, LA
1996-1997	Peace Corps, Natural Resource Management · Resource Management Volunteer,
	Niger, West Africa
1996	Forestry Sciences Laboratory · Bird Response to Anadromous Fish Runs Research
	Assistant. Berner's Bay, AK and Whitehorse, Yukon Territory
1994-1995	The Peregrine Fund · Hack Site Supervisor, Cora, WY and Augusta, MT
1994	Volta Velha Atlantic Coastal Rainforest Preserve · Ecology of Insectivorous Birds
	Research Assistant, Santa Catarina, Brazil
1993	Shedd Aquarium · Marine Mammal Department Intern. Chicago, IL
1992	World Bird Center · Wildlife Rehabilitation, Raptor Training, and Environmental Education
	Intern. St. Louis, MO

GRANTS AND NON-TEACHING AWARDS

2016	Louisiana Ornithological Society President's Award
2015	Orleans Audubon Society Grants in Aid of Research
2015	Tulane Trash to Treasure Grant for Girls in STEM at Tulane
2012-2015	Newcomb Community Engagement Grants for Girls in STEM at Tulane
2007-2015	Office of the Provost Undergraduate Activities Funds
2013-2014	CELT Classroom Enhancement Grants

2012	
2013	Malaria Research Network, University of Missouri, St. Louis
2015	maining Research Retwork, Oniversity of Missouri, St. Louis

2011 Provost's Faculty Seminar in Interdisciplinary Research Fund

GRANTS AND NON-TEACHING AWARDS continued

2010	Inland Bird Banding Association Paul Stewart Avian Research Grant
2008	Louisiana Department of Wildlife and Fisheries State Wildlife Grant
2005	Robert P. Warren Award for Outstanding Dissertation Research
2003	J. Bennett Johnston Science Foundation
2001-2003	Weyerhaeuser Corporation Research Grants
2001	Sigma Xi Grant-in-Aid of Research
2000-2001	Louisiana Ornithological Society Research Grant
1999-2000	Orleans Audubon Society Avian Research Grant
1993-1994	Howard Hughes Foundation Grants
1993-1994	Orton Caldwell Scholarship
1993-1994	John M. Prather Endowment Fund Scholarship

OUTREACH, TALKS AND MEETINGS

- 2016 Biomimicry Naturalist
- 2015 Louisiana Ornithological Society meeting, Invited Speaker on Honey Island Bird Monitoring Program St. Tammany Public Library program, Invited Speaker on Secret Lives of Nesting Birds
- 2014 HBO "Saving My Tomorrow" Earth Day Episode, Invited expert on bird banding and conservation St. Tammany Public Library program, Invited Speaker on Butterflies of Louisiana St. Francisville Hummingbird Festival, Invited Speaker on Ruby-throated Hummingbirds
- 2013 CELT's Launch Tulane, Invited Speaker on Being an Educator Baton Rouge Audubon Society, Invited Speaker on Honey Island Bird Monitoring Program New Orleans Public Library STEM Events (3 programs), Shark Tooth Fossil Hunt
- 2012 Louisiana Ornithological Society, Invited Speaker on Honey Island Bird Monitoring Program Orleans Audubon Society, Invited Speaker on Honey Island Bird Monitoring Program Northshore Bird Club, Invited Speaker on The History of Bird Banding Tulane Green Club, Invited Speaker on The Struggle to Learn in the Context of Climate Change Folsom Hummingbird Festival, Invited Speaker on Hummingbirds of Louisiana Chevron Geologist's Banquet, Invited Speaker on The History of Bird Banding
- 2011 Tulane Interdisciplinary Experiences Seminar, TIDES 1620-01/1892-11 Tulane's Natural History Newcomb Women in Science Faculty Series Seminar Advanced Bird Banding Workshop with Peter Pyle, Baton Rouge Newcomb Women in Science Speaker On Being a Scientist Folsom Hummingbird Festival, Invited Speaker on Nesting Birds of Louisiana
- 2010 Tulane Interdisciplinary Experiences Seminar, TIDES 1620-01/1892-11 Tulane's Natural History Northshore Bird Club, Invited Speaker on Nesting Birds of Louisiana Folsom Hummingbird Festival, Invited Speaker on Butterflies of Louisiana
- 2009 Louisiana Ornithological Society, Invited Speaker on Honey Island Bird Monitoring Program Orleans Audubon Society, Invited Speaker on Honey Island Bird Monitoring Program Folsom Hummingbird Festival, Invited Speaker on Butterflies of Louisiana

Inland Bird Banding Conference Mississippi Museum of Natural Science, Invited Speaker on the Ecology and Demographics of Swallow-tailed Kites LSU School of Renewable Resources, Invited Speaker on the Ecology and Demographics of SWWA Folsom Hummingbird Festival, Invited Speaker National Audukan Society special invitation advocant workshop in Washington D.C. on aquatic

- 2007 National Audubon Society special invitation advocacy workshop in Washington D.C. on aquatic invasive species legislation
- 2006 Orleans Audubon Society, Invited Speaker on Honey Island Bird Monitoring Program Northshore Bird Club, Invited Speaker on Honey Island Bird Monitoring Program
- 2005 Louisiana Ornithological Society, Invited Speaker on the Ecology and Demographics of SWWA

LSU Museum of Natural History, Invited Speaker on the Ecology and Demographics of SWWA Orleans Audubon Society, Invited Speaker on the Ecology and Demographics of SWWA

- 2004 Northshore Bird Club, Invited Speaker on the Ecology and Demographics of SWWA
- 2003 Southern Forests Conference, Oral Presentation on the Ecology of Swainson's Warbler (SWWA) Environmental State of the State Conference, Poster on the Ecology of SWWA

OUTREACH, TALKS AND MEETINGS continued

- 2002 3rd North American Ornithological Conference Graduate Student Committee Chair, Volunteer Coordinator
- 2002 Louisiana Association of Professional Biologists, Speaker on the Ecology and Demographics of SWWA
- 2000 Louisiana Ornithological Society, Invited Speaker on the Ecology and Demographics of SWWA Orleans Audubon Society, Invited Speaker on the Ecology and Demographics of SWWA
- 1999 Partners in Flight Management of Migratory Landbirds Meeting
- 1997 International Ornithological Conference, Ghana, Africa

STUDENT PROJECTS

- 2016 Honors Thesis 2nd reader: Gina Zwicky "Ecological niche modeling of elasmobranch fishes endemic to the Gulf of Mexico after the *Deepwater Horizon* oil spill"
- 2015 Honors Thesis 2nd reader: Mysia Dye "Poison dart frog communication"
- 2015 Honor's Thesis 3rd reader: Margaret Harlan "Defining metrics of channel mobility and their link to the architecture of channelized stratigraphy: A laboratory study"
- 2015 Honors Thesis 3nd Reader: Caroline Dickens "The effect of gender and ethnic stereotypes on girls' sense of fit in science, Technology, Mathematics, and Engineering"
- 2014 Honors Thesis Advisor. Eric Fagan "Differences in territoriality and habitat use between Nearctic-Neotropical migrants and residents in a bottomland hardwood forest-swamp matrix"
- 2014 4+1 Masters Student Advisor: Alaina Cargill "Animals in Captivity"
- 2013 Honors Thesis 3rd Reader: Nicole Moody "Effects of G-protein receptor 30 agonist G-1 on spatial memory in adult female rats"
- 2012 4+1 Masters Student Advisor: Emma Levenson "Breeding bird community change in a bottomland hardwood forest"
- 2012 Honors Thesis 2nd Reader: Madeline Dickson "Hybridization and multimodal signaling in stream fishes"
- 2012 Honors Thesis 2nd Reader: Victoria Troeger "Waterborne transmission and cross-contamination of *Aspergillosis* in the Common Sea Fan"
- 2012 Honors Thesis 2nd Reader: Erin Valley "Evaluating the effect of predation on phenotypic divergence in *Dendrobates pumilio* by using a model predator"
- 2012 Honors Thesis 3nd Reader: Meghan Knowlton "Quantifying flood magnitudes on the Little Missouri River in response to the 2010 Albert Pike Flood"
- 2012 Honors Thesis 3nd Reader: Edgar Jones "The irrational applicant: an analysis of campus visits on final enrollment decisions"
- 2011 Masters Student Committee Member: Julia Whitrock "The effect of light availability and elevation on the establishment of *Ligustrum sinense*"
- 2011 4+1 Masters Student Advisor: Jenifer Del Rossi "Greenhouse gas inventory for the City of New Orleans"
- 2011 Honors Thesis Advisor: Lily Primason "Effects of natural and anthropogenic disturbance on a migratory breeding bird of conservation concern"
- 2011 Honors Thesis 2nd Reader: Caroline Mitchell "The role of hydrochory in the spread of Chinese privet"
- 2011 Honors Thesis 2nd Reader: Shemi Benge "Interpreting the effect of habitat disturbance on female sexual selection in poison dart frogs, *Dendrobates pumilio*"
- 2011 Honors Thesis 2nd Reader: Kaitlin Tasker "Evaluating impacts of land use on the Strawberry Poison Dart Frog, *Dendrobates pumilio*"
- 2011 Honors Thesis *3rd Reader*: Emily Cardarelli "Seasonal impacts influencing denitrification in wetlands: a look at the Davis Pond Diversion"

- 2011 Honors Thesis *3rd Reader*: Kirstin Heinrich "Myth busters: Uncovering the reality of alcohol norms among middle school aged youth of Louisiana"
- 2010 Honors Thesis *Advisor*: Mary Grace Lemon "Effects of Hurricane Katrina on the Abundance and Biodiversity of Breeding Birds in Honey Island Swamp, LA"
- 2005 Honors Thesis: Shannon Tanner "Bird community responses and conservation implications of loblolly versus slash pine cultivation in southeastern Louisiana", *Collaborator*

PROFESSIONAL/ ORNITHOLOGICAL AFFILIATIONS

Society for the Advancement of Biology Education Research Association for Biology Laboratory Education Inland Bird Banding Organization The American Ornithologist's Union The Wilson Ornithological Society, 2002 reviewer The Association of Field Ornithologists Louisiana Ornithological Society

MONITORING PROGRAMS

2005-2015	Monitoring Avian Productivity and Survivorship. Pearl River, LA.
2005-2015	Breeding Bird Survey. St. Tammany Parish, LA.
1998-2015	Christmas Bird Count. Venice, New Orleans East, Slidell, St. Tammany.
2010	Louisiana Breeding Bird Atlas. Covington quad compiler, St. Tammany Parish, LA.
2003-2005	Louisiana Amphibian Monitoring Program. St. Tammany Parish, LA.
2000-2004	Monitoring Avian Productivity and Survivorship. Belle Chasse, LA.

REFERENCES

- Elizabeth P. Derryberry, Ph.D., Ecology and Evolutionary Biology Department, Tulane University, <u>ederryberry@tulane.edu</u>
- Steven P. Darwin, Ph.D., Ecology and Evolutionary Biology Department, Tulane University, <u>darwin@tulane.edu</u>
- Thomas W. Sherry, Ph.D., Ecology and Evolutionary Biology Department, Tulane University Graduate advisor, <u>tsherry@tulane.edu</u>
- John H. Caruso, Ph.D., Professor of the Practice, Ecology and Evolutionary Biology, Tulane University. jcaruso@tulane.edu
- Beth E.F. Wee, PhD. Associate Dean of Undergraduate Studies, School of Science and Engineering Co-Director of MS, BS Neuroscience Programs, <u>bwee@tulane.edu</u>