

Curriculum Vitae

David P. Craig

Willamette University
Department of Biology
900 State Street SE
Salem, Oregon 97301

Office: 503-370-6333
Cell: 503-949-7659
Email: dpccraig@willamette.edu
<http://www.willamette.edu/cla/biology/faculty/craig>

Education:

- 1997 **Ph.D.** in Ecology, Population, and Organismic Biology, University of Colorado, Boulder.
Dissertation: The Role of Corvids as Nest Predators in the Colorado Front Range
- 1990 **B.S.** in Biology, Lewis & Clark College, Portland, Oregon
Senior Project: A Natural History Guide to the Lewis & Clark College Campus.

Appointments:

- 2008- present Chair, Department of Biology, Willamette University, Salem, OR
- 2006- present Associate Professor, Department of Biology, Willamette University, Salem, OR
- 2009 Adjunct Professor in the School of Animal Biology, University of Western Australia, Perth, Australia (Graeme Martin, host)
- 2008-2009 Visiting Associate Professor, School of Environmental and Forest Sciences, University of Washington (John Marzluff, host)
- 2001-2006 Assistant Professor, Department of Biology, Willamette University, Salem, OR
- 2000-2001 Adjunct Professor, Department of Biology, Willamette University, Salem, OR (Susan Kephart, Chair)
- 1997-2000 Faculty Research Associate, Oregon State University (Daniel Roby, postdoctoral advisor)
- 1999 Adjunct Professor, Department of Biology, Lewis & Clark College (Gary Reiness, Chair)
- 1994-1996 Research Assistant, University of Colorado, Boulder (Carl Bock, PhD advisor)

Field Experience:

- 2009 Little penguin research volunteer, Murdoch University (Belinda Cannell, PI)
- 1992-1996 Paleontology volunteer, Denver Museum of Natural History (Kirk Johnson, PI)
- 1995 OTS 95-1 Tropical Biology: An Ecological Approach (Eric Olson and Tom Langen, advisors)
- 1994 Curatorial Assistant, University of Colorado Museum. (James Hanken, Curator)
- 1992 Vertebrate Biologist, The Nature Conservancy, Portland, OR. (Mark Stern, PI)
- 1990-1991 Wildlife Biologist, Redwood Science Laboratory, U.S. Forest Service. (C.J. Ralph, PI)
- 1990 Research Assistant, Cornell University (Bernie Tershy, PI)
- 1988-1989 Field Assistant, Redwood Science Laboratory, U.S. Forest Service (C.J. Ralph, PI)
- 1988-1989 Avian Researcher, University of New England, New South Wales (Harry Recher, PI)
- 1987 Research Intern, Palomarin Field Station, Point Reyes Bird Observatory (Geoff Guepel & David DeSante, Co-PI's)

Internal and External Funding:

- 2012-2013 Willamette University Office of the President, Hewlett Curriculum Development and Improvement Grant, (original funding by William and Flora Hewlett Foundation), “STEM Colloquium Series: Promoting Interdisciplinary Communication & Collaboration,” \$600 (co-PIs Inga Johnson, David Craig, Haiyan Cheng, Erin McNicholas, Alison Fisher, David Altman).
- 2011 Program Funding for Caspian Tern research dissemination in Vancouver, British Columbia from Willamette University Canadian Studies Program Enhancement Grant, \$500 (Sammy Basu, Principal Investigator)
- 2011-2012 Willamette University Liberal Arts Research Collaborative, funded by the Andrew W. Mellon Foundation, “Columbia River Estuary & Willamette’s Liberal Arts Research Community,” \$17,950.
- 2011-2012 Willamette University President’s Fund for Innovation (funded by the Andrew W. Mellon Foundation), “Willamette Alumni Collaborative Research Program: Promoting Lifelong Engagement Between Alumni and Students through High-Impact Educational Practices in Biomedical Research,” \$15,000.
- 2011 Willamette University Office of the President, Hewlett Curriculum Development and Improvement Grant, (original funding by William and Flora Hewlett Foundation), “Integrating Statistical Training into an Inquiry-Based Biology Curriculum,” \$4,000 (co-PIs with James Friedrich, Jennifer Butler, David Craig, Emma Coddington, Susan Kephart)
- 2010-2011 National Science Foundation RCN-UBE Incubator Award (DBI-1039453), “RCN-UBE Incubator: Willamette Valley Biological Education Network (WVBEN): Using regional pedagogical communities to improve undergraduate learning environments in biology,” \$50,000 (Leadership Team Member with Marlene Moore, Gary Reiness, Walter Shriner, Barbara Stebbins-Boaz, Terry Favero, John Hayes, Stephen Scheck).
- 2010 Internal Program Funding for Foreign Affairs and International Trade Canada, from Willamette University Canadian Studies Program Enhancement Grant, \$800 (Sammy Basu, Principal Investigator).
- 2010 M. J. Murdock Charitable Trust. Research Start-up Grants for New Biology Faculty, (start-up funds for new microbiologist, Dr. Melissa Marks). \$25,000.
- 2009 M. J. Murdock Charitable Trust. Research Start-up Grants for New Biology Faculty, (start-up funds for new animal physiologist, Dr. Emma Coddington). \$25,000.
- 2008- 2012 M. J. Murdock Charitable Trust, Murdock College Research Program for Life Sciences, “The role of parental behavior in the lateralization and development of prey handling in a bill-load handling seabird,” \$45,403.
- 2008-2010 M. J. Murdock Charitable Trust, Partners in Science Grant, “Using Video to Analyze Lateralization and Development of Prey Handling Skills in Caspian Terns,” \$15,000.
- 2008 National Science Foundation Research Opportunity Award (Grant No. BCS-0508002), “Urban Landscape Patterns: Complex Dynamics and Emergent Properties,” \$49,218 (Marina Alberti, Principal Investigator).
- 2007 Willamette University Faculty Resources Committee. Research Expense Award, “Support training of field collection techniques for stable isotope analysis of feathers,” \$1,500.
- 2007 Satellite PTT Users Award, Microwave Telemetry, Inc. \$3,950.
- 2006 Willamette University Faculty Resources Committee. Atkinson Research Grant, “GIS Enhancement for the Analysis of Satellite-Telemetry Tracking of Caspian Tern Migration” \$2,075.

- 2006 Fairview Center for Sustainability Grant, “Conserving native wildlife in Salem, Oregon,” \$4,700.
- 2005-2006 U. S. Satellite Laboratory of National Aeronautics and Space Administration, Signals of Spring Program, “Caspian Tern Migration from Mexico to Oregon,” \$6,500.
- 2006 Willamette University Office of the President, Hewlett Curriculum Development and Improvement Grant, (original funding by William and Flora Hewlett Foundation), “Plant Watch: Chronology of Campus Plants,” \$4,150.
- 2005 Willamette University Office of the President, Hewlett Curriculum Development and Improvement Grant, (original funding by William and Flora Hewlett Foundation), “GIS Workshop” \$5,000 (shared with Joe Bowersox, Peter Eilers, and John Repplinger).
- 2004-2008 M. J. Murdock Charitable Trust, Murdock College Research Program for Life Sciences, “Satellite Tracking of Caspian Tern Migration and the Importance of Winter Foraging Ecology to Population Regulation,” \$61,900.
- 2004 Willamette University Office of the President, Hewlett Curriculum Development and Improvement Grant, (original funding by William and Flora Hewlett Foundation), “Willamette Urban Study Area,” \$6,100 (shared with Peter Eilers, Dave Goodney, and Sharon Rose).
- 2003-2004 Bureau of Land Management, “Avian Monitoring Station for Stayton Property,” \$2,500.
- 2003 Willamette University Office of the President, Hewlett Curriculum Development and Improvement Grant, (original funding by William and Flora Hewlett Foundation), “Samoa Field Station Feasibility Study,” \$6,000 (shared with Rebecca Dobkins).
- 2002-2003 U.S. Fish & Wildlife Service, “Caspian Tern Assessment, Portland, Oregon,” \$4,000.
- 2002 Willamette University Office of the President, Hewlett Curriculum Development and Improvement Grant, (original funding by William and Flora Hewlett Foundation), “Willamette Naturalist Project.”
- 1997-2001 Bonneville Power Administration & Army Corps of Engineers Research Contract for Columbia River Avian Predation Project (Dan Roby, Principal Investigator).
- 1996 Walker Van Riper Fund, University of Colorado Museum.
- 1995 David Paddon Memorial Scholarship, Indian Peaks Working Group.
- 1995 Dean's Small Grant, University of Colorado, Boulder.
- 1995 Department of Earth Sciences Scholarship, Denver Museum of Natural History.
- 1995 Graduate School Dissertation Research Grant, University of Colorado, Boulder.
- 1994-1996 Graduate Student Travel Grant, University of Colorado, Boulder.
- 1994 Boulder County Open Space Supply Grant.

Unfunded Research Grants:

- 2008 Goodchild, M. (PI), D. Craig (Co-PI), R. Gupta (Co-PI), and D. Sui (Co-PI). National Science Foundation LOI- L01706852 “Knowledge Creation through Volunteered Geographic Information.” Unfunded, \$1,407,024.
- 2008 US-Canada Environmental Research Program, “Caspian Tern Population Connectivity in North America and Importance of the Great Canadian Lakes.” Unfunded, \$9,998.00

Fellowships, Honors and Awards:

- 2012 Conference Travel Award, Willamette University Faculty Resources Committee, 39th Annual Meeting of the Pacific Seabird, Turtle Bay Hawaii.
- 2008 MIGRATE Travel Award, Cornell University, \$1200.

- 2007 Conference Travel Award, Willamette University Faculty Resources Committee, Pacific Seabird Group Meeting, Semiahmoo, WA.
- 2006 Project Kaleidoscope Faculty for the 21st Century, Project Kaleidoscope.
- 2006 Conference Travel Award, Willamette University Faculty Resources Committee, 4th North American Ornithology Conference, Veracruz, Mexico.
- 2006 Conference Travel Award, Willamette University Faculty Resources Committee, 11th Congress of the International Society for Behavioral Ecology, Tours, France.
- 2004 Junior Faculty Research Sabbatical, Willamette University Faculty Resources Committee. Equivalent to \$23,000.
- 2004 Conference Travel Award, Willamette University Faculty Resources Committee, Society for Conservation Biology. New York, NY.
- 2003 Conference Travel Award, Willamette University Faculty Resources Committee, 31st Annual Meeting of the Pacific Seabird Group, La Paz, Baja, Mexico.
- 2002 National Computational Science Institute (NCSI) Workshop Award.
- 2001-2002 Willamette University F.A.C.E.S. Service Learning Award.
- 2002 Conference Travel Award, Willamette University Faculty Resources Committee, 3rd North American Ornithological Conference, New Orleans, LA.
- 2001 Willamette University Start-up funds, \$20,000.
- 2000 Merit Raise for Faculty Excellence, Oregon State University.
- 1998 Merit Raise for Faculty Excellence, Oregon State University.
- 1997 Graduate Teacher of the Year Award, University of Colorado, Boulder.
- 1996 University Fellowship, University of Colorado, Boulder.
- 1996 Director's Best Paper Award, Cooper Ornithological Society Board.
- 1996 Biology Department Colloquium Chair, University of Colorado, Boulder.
- 1995 Edna Bailey Sussman Fellowship, University of Colorado, Boulder.
- 1995 Kathy Lichty Memorial Award, University of Colorado, Boulder.
- 1995 Graduate Teaching Award, University of Colorado, Boulder.
- 1994-1995 Research Award, Boulder County Nature Association.
- 1994 Organization for Tropical Studies Fellowship, University of Colorado, Boulder.
- 1993 Research Fellowship, Colorado Mountain Club Foundation.
- 1992 Department of Environmental, Population, and Organismic Biology Fellowship, University of Colorado, Boulder.
- 1990 Commencement Speaker, Lewis & Clark College.
- 1990 Presidential Scholar, Lewis & Clark College.

Peer Reviewed Publications: (*indicates undergraduate or Willamette alumni coauthor)

- Marzluff, J.M., J. Walls, H. N. Cornell, J. C. Withey, and **D. P. Craig**. 2010. Lasting recognition of a threatening person by wild American Crows. *Animal Behavior* 79(3):699-707.
- K. C. Molina, K. L. Garrett, K. Larson, and **D. P., Craig**. 2009. Winter Distribution of the Western Gull-Billed Tern, *Gelochelidon nilotica vanrossemi*. *Western Birds* 40:2-20.
- Grace*, J. and **D. P. Craig**. 2008. The development and lateralization of prey delivery in a bill load holding bird. *Animal Behavior* 75(6):2005-2011.
- Larson, K. and **D. P. Craig**. 2006. Digiscoping vouchers for diet studies in bill load holding birds. *Waterbirds* 11:110-112.

- Suryan, R., **D.P. Craig**, D. Roby, N. Chelgren, K. Collis, W. D. Shuford, and D. Lyons. 2004. Redistribution and growth of the Caspian Tern population in the Pacific Coast region of North America, 1981-2000. *The Condor* 106:777-790.
- Roby, D., D. Lyons, **D. P. Craig**, K. Collis, and G.H. Visser. 2003. Quantifying the effect of predators on endangered species using a bioenergetics approach: Caspian terns and juvenile salmonids in the Columbia River estuary. *Canadian Journal of Zoology* 81:250-265.
- Roby, D., K. Collis, D. Lyons, M. Antolos, and **D. P. Craig**. 2003. *Caspian Tern Species Account*. Birds of Oregon. Oregon State University Press.
- Matthews, S. M., **D. P. Craig**, K. Collis, and D. Roby. 2003. *Double-crested Cormorant Species Account*. Birds of Oregon. Oregon State University Press.
- Shuford, D. W. and **D. P. Craig**. 2002. Status Assessment and Conservation Recommendations for the Caspian Tern (*Sterna caspia*) in North America, U.S. Department of Interior, Fish and Wildlife Service, Portland, OR. 162 pp.
- Collis, K., D.D. Roby, **D.P. Craig**, S. Adamany, J. Adkins, and D.E. Lyons. 2002. Colony size and diet composition of piscivorous waterbirds on the lower Columbia River: Implications for losses of juvenile salmonids to avian predation. *Transactions of the American Fisheries Society* 131:537-550.
- Roby, D.D., K. Collis, D.E. Lyons, **D.P. Craig**, J. Adkins, A.M. Myers, and R.M. Suryan. 2002. Effects of colony relocation on diet and productivity of Caspian terns. *Journal of Wildlife Management* 66:662-673.
- Collis, K., D.D. Roby, **D.P. Craig**, B.A. Ryan, and R.D. Ledgerwood. 2001. Colonial waterbird predation on juvenile salmonids tagged with Passive Integrated Transponders in the Columbia River Estuary: Vulnerability of different species, stocks, and rearing types. *Transactions of the American Fisheries Society* 130:385-396.
- Craig, D. P.**, C. Bock, B. C. Bennett, and J. H. Bock. 1999. Habitat relationships among grasshoppers (Orthoptera: Acrididae) at the western limit of the Great Plains in Colorado. *American Midland Naturalist* 142:314-327.
- Craig, D. P.** 1999. Caspian Terns on the Columbia River Estuary. *Journal of Oregon Field Ornithology* 25:72-81.
- Roby, D., **D. P. Craig**, K. Collis, and S. Adamany. 1999. Avian predation on juvenile salmonids in the lower Columbia River, 1998. Annual Report: Bonneville Power Administration and U.S. Army Corps of Engineers. 1-150.
- Collis, K., S. Adamany, D. Roby, **D. P. Craig**, and D. Lyons. 1998. Avian predation on salmonid smolts in the lower Columbia River, 1997. Annual Report: Bonneville Power Administration and U.S. Army Corps of Engineers. 1-71.
- Craig, D. P.** 1998. Chipmunks use leverage to eat oversized eggs: Support for the use of quail eggs. *The Auk* 115(2):486-489, 1998.
- Breese, D, B. Tershy, and **D. P. Craig**. 1993. Craveri's Murrelet: Confirmed Nesting and Fledging Age San Pedro Martir Island, Gulf of California. *Colonial Waterbirds* 16:92-94.
- Craig, D. P.**; M. A. Stern, K. A. Mingo, D. M. Craig, and G. A. Rosenberg. 1992. Reproductive Ecology of the Western Snowy Plover on the Coast of Oregon. Technical Report: Oregon Department of Fish and Wildlife.

Manuscripts in Review:

- Craig, D. P.**, K. Larson, Y. Suzuki, J. Shinn*, P. Swenson*, J. Grace*. Analyses of multiple extrinsic markers to understand migratory biology in a wide-ranging bird. Resubmitted with revisions to *The Condor* on August 12, 2012.

Manuscripts in Preparation:

- Craig, D.P.** Peer-to-peer photo-sharing as a novel source of data for Caspian tern research. in prep for *Journal of Field Ornithology*.
- Craig, D.P.**, S. Friedrich, and M. Polzin. Individual lateralization and development of prey delivery in the Caspian tern. in prep for *Animal Behavior*.
- Craig, D. P.** and K. Larson. Bill Load Identification Guide for Seabirds of the Northeastern Pacific. Current draft can be reviewed at www.willamette.edu/cla/biology/ternproject/ - in prep for NOAA.

Published Presentation Abstracts: (*indicates undergraduate or Willamette alumni coauthor)

- D. Craig** and G. Reiness. 2012. Departmental Responses to Vision and Change Curricular Mandates in Responding to the Mandate of “Vision and Change in Undergraduate Biology Education” Workshop Notebook. Lewis & Clark College, Portland, Oregon. 38 pages.
http://www.aacu.org/pkal/regionalnetworks/documents/Feb2012_WVBEN_workshop-notebook.pdf
- Niedermeyer*, J. and **D.P. Craig**. 2012. Ethology as a Window into Science: Turning High School Animal Behavior Students into Scholars. *49th Annual Meeting the Animal Behavior Society Program Book*.
- Niedermeyer*, W.J., **D.P. Craig**, M.K. Lou*. 2011. The effect of acclimation to humans on interspecific competition for food in an urban park: the introduced eastern gray squirrel vs. the native California ground squirrel. Urban Ecology Conference, Portland OR.
- Niedermeyer*, W.J., **D.P. Craig**, M.K. Lou*. 2011. The effect of acclimation to humans on interspecific competition for food in an urban park: the introduced eastern gray squirrel vs. the native California ground squirrel. 90th Annual Meeting of the American Society of Mammalogists, Laramie WY
- D.P. Craig**, M.D. Polzin*, S. P. Friedrich*. 2010. Individual lateralization and the development of prey handling skills among terns. 1st World Seabird Conference, Victoria, British Columbia.
- Niedermeyer*, W.J., and **D.P. Craig**. 2009. Video Analysis of Chick Feeding in Caspian Terns. Poster Presentation, Partners in Science Conference, San Diego, CA.
- Craig, D.P.** and K.N. Swift*. 2008. Peer to peer photo sharing and field readable tags: a simple powerful tool for citizen science and following marked birds. American Ornithologist Union, Cooper Ornithological Society and Society of Canadian Ornithologists 2008 Meeting.
- Craig, D.P.**, J. Shinn*, P. Swenson*, and J. Grace*. 2008. Fall migration, timing, and wintering sites of Columbia River estuary Caspian Terns as determined by satellite telemetry. 35th Annual Meeting – Pacific Seabird Group.
- Larson, K.W., **D. P. Craig**, Y. Suzuki, and D. Roby. 2008. A geographical analysis of Caspian tern band encounters in the Americas, 1022-2007. 35th Annual Meeting – Pacific Seabird Group.
- Allen, J., **D.P. Craig**, and J. Grace*. 2008. Ternin’ing to video to study diet, lateralization, and chick development among bill load holding birds. 35th Annual Meeting – Pacific Seabird Group
- Phillips*, J. and **D.P. Craig**. 2008. A comparative study of color variation in the juvenal plumage of terns (Sternini). Annual Meeting for the Society of Integrative and Comparative Biology.
- Grace*, J. and **D. P. Craig**. 2006. Age dependant lateralized prey delivery and chick rearing of Caspian Terns. (Oral) Abstracts 4th International Ornithology Congress, Veracruz, Mexico.
- Craig, D.P.** and J. Grace*. 2006. The development and lateralization of prey delivery in Caspian Terns (*Sterna caspia*). (Poster) Abstracts of the 11th International Behavioral Ecology Congress. Tours, France.
- Craig, D. P.** and S. Lantz*. 2005. Observer bias and accuracy of field identification of forage fish in bill-load holding seabirds. Program Abstracts of the Joint Annual Meeting – Pacific Seabird Group & the Water Bird Society.

- Larson, K., and **D. P. Craig**. 2005. Using digiscoping to collect photographic vouchers of fish in seabird diet studies. (Oral) Program Abstracts of the Joint Annual Meeting – Pacific Seabird Group & the Water Bird Society.
- Craig, D. P.** and K. Larson. 2005. Forage Fish Workshop. (Oral) Addendum to Program Abstracts of the Joint Annual Meeting – Pacific Seabird Group & the Water Bird Society.
- Craig, D. P.**, S. Lantz*, K. Larson, D. Roby. 2004. An Evaluation of observer bias and accuracy of fish species and size in the bill-loads of Caspian Terns. (Oral) Program Abstracts of the 31st Annual Meeting of the Pacific Seabird Group.
- Spiering*, P. and **D. P. Craig**. 2002. A Poster for the Identification of Caspian Tern Bill Loads of the Pacific Coast. (Poster) Third North American Ornithological Conference.
- Suryan, R., **D. P. Craig**, D. D. Roby, W. D. Shuford, N. D. Chelgren, D. E. Lyons, and K. Collis. 2003. Redistribution and Growth of the Caspian Tern Population Along the Pacific Coast of North America: a 20-year Assessment of Population Status. (Oral) Pacific Seabird Group Program Abstracts, 30th Annual Meeting.
- Roby, D., D. Lyons, K. Collis, and **D.P. Craig**. 2003. Colony restoration techniques for Caspian Terns in the Pacific Northwest. (Oral) Colonial Waterbird Society Program Abstracts, 40th Annual Meeting
- Craig, D. P.** 2003. Tern-ed On: Reflections on the Beauty and Biology of Pacific NW Terns. The Wildlife Society, Symposium on Bird Biology and Conservation: A Northwest Perspective.
- Craig, D.P.**, P. Spiering*, and M. Wilhelm. 2002. Field Guide to Fish Identification for Caspian Tern Diet Studies in the Columbia River Estuary. (Oral) Pacific Seabird Group Program Abstracts, 29th Annual Meeting.
- Roby, D., K. Collis, D. Lyons, **D. P. Craig**, J. Adkins, A.M. Meyers, and R. Suryan. 2002. Effects of Colony Relocation on Diet and Productivity of Caspian Terns in the Columbia River Estuary. (Oral) Pacific Seabird Group Program Abstracts, 29th Annual Meeting.
- Lyons, D., D. Roby, K. Collis, **D.P. Craig**. 2001. Population bioenergetics modeling of Double-crested Cormorants in the Columbia River estuary. (Oral) American Ornithologists' Union Program Abstracts, 119th Annual Meeting.
- Roby, D., D. Lyons, S. Anderson, M. Antolos, C. Anderson, R. Suryan, S. Wright, K. Collis, and **D.P. Craig**. 2001. Seabirds vs. salmon: Managing Caspian Terns in the Columbia River. (Oral) American Ornithologists' Union Program Abstracts, 119th Annual Meeting
- Craig, D.P.**, Roby, D., D. Lyons, and K. Collis. 2000. Global status of the Caspian Tern: Birds on the edge or over the top. (Oral) Joint Annual Meeting of the American Ornithologist Union, British Ornithologist Union, and the Society of Canadian Ornithologist.
- Craig, D.P.**, Roby, D., D. Lyons, and K. Collis. 2000. The World's Largest Caspian Tern Colony: A Review of Dynamics in the Pacific Coast Population. (Oral) Pacific Seabird Group Program Abstracts, 27th Annual Meeting.
- Craig, D. P.**, Roby, D., D. Lyons, and K. Collis. 2000. Caspian Tern Management in the Columbia River Estuary. (Oral) Joint Annual Meeting of the Society of Northwestern Vertebrate Biology and the Washington Chapter of The Wildlife Society.
- Roby, D., **D. P. Craig**, D. Lyons and K. Collis. 2000. Caspian Tern Management in the Columbia River Estuary. (Oral) Pacific Seabird Group Program Abstracts, 27th Annual Meeting.
- Craig, D. P.** 1999. Fragmentation and Western bird populations: southern mixed coniferous forest ecosystems. (Oral) Cooper Ornithological Society Meeting.
- Craig, D. P.**, D. Roby, D. Collis, and S. Adamany. 1998. Avian predation on juvenile salmonids in the lower Columbia River. (Oral) Annual Meeting of The Wildlife Society Program Abstracts.
- Craig, D. P.** 1997. Corvid densities and nest predation in rural versus wild forests. (Oral) Natural Areas Association Program Abstracts.

- Craig, D. P.** and R. S. Fletcher* 1997. The utility of artificial nests in the study of avian ecology and conservation: a review. (Oral) Program Abstracts for the Society of Conservation Biology.
- Craig, D. P.**, and M. C. Yaber. 1997. Patterns of nest predation by clutch size, nest placement, and successional stage in a Costa Rican Rainforest. (Oral) Annual Meeting of the Wilson Ornithological Society.
- Craig, D. P.** 1996. Steller's Jays as dominant nest predators and an analysis of predation on different types of artificial nests. (Oral) Society of American Naturalist Annual Meeting Program Abstracts.
- Craig, D. P.** 1996. Corvid densities and nest predation in rural versus wild landscapes. (Oral) Program Abstracts of the Annual Meeting of the Cooper Ornithological Society.
- Craig, D. P.** and K. A. Mingo. 1996. Mentoring and Leadership: Improving the Climate. (Oral) Society for the Study of Evolution, Abstracts of the Women in Evolution Conference.
- Craig, D. P.** 1995. Differences in nest predation related to corvid densities and land use. (Oral) American Ornithologists' Union Program Abstracts, 113th Annual Meeting.
- Craig, D. P.** 1995. Morphological variation within and among three populations of Rufous-sided Towhee (*Pipilo erythrophthalmus*): Evidence of the Kluge-Kerfoot phenomenon. (Oral) Guild of Rocky Mountain Population Biologists Program Abstracts.
- Mingo, K. A., J. Mitton and **D. Craig**. 1995. Unidirectional introgression and allozyme markers of F1 Hybrid cottonwoods. (Oral) Guild of Rocky Mountain Population Biologists Program Abstracts.
- Craig, D. P.** 1994. Corvids as nest predators on open-cup nesting birds. (Oral) Guild of Rocky Mountain Population Biologists Program Abstracts.
- Craig, D. P.** 1994. Corvids as Nest Predators in the Colorado Front Range forests. (Oral) American Ornithologists' Union Program Abstracts, 112th Annual Meeting.

Non Peer Reviewed Articles: (*indicates undergraduate or Willamette alumni coauthor)

- S. Friedrich* and **D.P. Craig**. In review. Find That Chick Through Flickr: A Chick Banding Story. Submitted to *Birdwatcher's Digest*, July 2011. Resubmitting to *Oregon Birds* September 2012.
- Craig, D. P.** 2006. Project Kaleidoscope: Faculty for the 21st Century Statements 2004-2006.
- Craig, D. P.** 2006. Rapid Progress. *Kestrel* 40(4):4.
- Craig, D. P.** 2006. The 2nd Annual Green Awards. *Kestrel* 40(3):1
- Craig, D. P.** 2006. Nature Center News: A modest beginning. *Kestrel* 40(1):3
- Craig, D. P.** 2005. Project Heron Watch. *Kestrel* 39(8):2
- Roby, D. and **D. P. Craig**. 2004. Caspian Terns Species Account. Audubon Society of Oregon. Newsletter.
- Craig, D. P.** 2000. Terns Take Off in Altered Estuary. *Earthcare* 41(6):8-9.
- Craig, D. P.** and E. A. Wold. 1990. Natural History Guide to the Lewis & Clark College Campus. Northwest School of Law, Lewis and Clark College Printing Press. Portland, Oregon.

Pedagogical Media: (*indicates undergraduate or Willamette alumni coauthor)

- Craig, D.P., J. Shinn*, and D. Rameriz*. 2005. "The Willamette Naturalist"
<http://www.willamette.edu/cla/biology/naturalist/>

Invited Research Seminars:

- 2008 Oregon State University. New Insights to Animal Movement Using Satellite Telemetry & Web 2.0 - A Caspian Tern Case Study. MIGRATE Graduate Workshop. July 2008.
- 2008 Cornell University. New Insights to Animal Movement Using Satellite Telemetry & Web 2.0 - A Caspian Tern Case Study. MIGRATE/Lab of Ornithology.

- 2008 University of Washington. New Insights to Animal Movement Using Satellite Telemetry & Web 2.0 - A Caspian Tern Case Study. Urban Ecology Research Group. March 2008.
- 2008 Oregon State University. As the World Terns: The Behavioral Ecology of Migration in the Caspian Tern. Avian Ecology Study Group. January 2008.
- 2006 University of Washington. Wildlife Science Seminar. Caspian Terns from Seattle to Sinaloa - Insights from satellites, students, and searching the field. November, 2006.
- 2005 Lewis and Clark College. A Moving Tern: The Science of Caspian Tern Movement & Diet Ecology in a Salmon-centric Policy World.
- 2005 Portland State University. Fishing on the Move: Understanding Migration and Foraging Ecology of Caspian Terns from Oregon to Mexico.
- 2005 Redwood Region Audubon Society. A growing war between waterbirds and wild salmon: An ancient cycle in a conflicted conservation world. Key Note Address of the Annual Conservation Fund Raiser.
- 2003 Bowdoin College. A Strange Tern of Events: Behavior of the World's Largest Caspian Tern Colony and a Conflict with Endangered Species of Salmon.
- 2003 Oregon Field Ornithologists. Caspian Terns on the Columbia River. Key Note Address, Symposium on Field Techniques for Monitoring Birds. Silver Creek Falls, Oregon.
- 2002 Willamette University. Turned on by Terns: The Behavioral Ecology of the World's Largest Colony of the World's Largest Terns. Convocation Series.
- 2001 Willamette University. Energetics and Ecology of Caspian Terns in the Columbia River Estuary. Department of Biology.
- 2001 Willamette University. The Role of Corvids and Sciurids as Nest Predators: Trouble at the Nest. Department of Biology.
- 2000 Pacific Coast Steelhead Management Meeting, Port Townsend, Washington. Bird predation on salmonids on the Columbia River.
- 2000 North Coast Land Conservancy, Seaside, Oregon. Marine birds of the Lower Columbia River. North Coast Natural History Symposium.
- 1999 University of Washington, Seattle. Using avian bioenergetics and seabird colony restoration to save salmon.
- 1999 Washington State University, Pullman. Response of avian predators to human-modified ecosystems and their impacts on community structure.
- 1999 Washington State University, Vancouver. Caspian Terns and endangered salmon: A collision of federally protected species.
- 1999 Center for Marine Conservation. Efforts in seabird biology and estuary restoration. Estuary Monitoring Workshop Keynote Address. Astoria, OR.
- 1999 Portland State University. What to do with world's largest Caspian Tern colony. Organismal Biology Seminars.
- 1999 Lewis & Clark College. Colonial waterbirds of the lower Columbia River ecosystem: challenges for research and management.
- 1999 Sea Resources Technical Institute. The dynamics of avian predators of salmon smolt in the lower Columbia River. Chinook, Washington.
- 1997 University of Colorado, Boulder. The Role of Corvids as Nest Predators in the Colorado Front Range.
- 1996 Boulder County Nature Association, Colorado. Comparison of rural versus wild bird communities in the Front Range.
- 1996 City of Boulder, Colorado. Biodiversity of tall-grass prairie grasshoppers in Boulder County.

- 1995 University of Colorado. Grasshoppers in Boulder: where to find them and how to identify them. Office of Public Relations.

Invited Education and Outreach Lectures:

- 2013 Animal Migration and Citizen Science. Straub Environmental Learning Center, Salem, Oregon. March 2013.
- 2012 Avian Predator Ecology. Eugene Natural History Society. December 2012.
- 2012 Friends or Foes: The Field Readable Bird and Stories about People and Crows. Keynote presentation, 10th Annual Leavenworth Spring Bird Fest. May 2012.
- 2012 Wanted and unwanted: Tree Squirrels in Salem. Salem Public Library, Salem Audubon Society. March 2012.
- 2012 Amateur Naturalist: The Crow Family and Their Behaviors. Straub Environmental Learning Center, Salem, Oregon. March 2012.
- 2012 Bright-eyed and Bushy-tailed about Citizen Science Institute of Continued Learning. Willamette University, Salem, Oregon. January 2012.
- 2011 Bright-eyed and Bushy-tailed about Citizen Science. Willamette U Think Series. Brown's Town Lounge, Salem, Oregon. October 2011.
- 2011 Friends or Foes? Facing the Facts about American Crows. Oregon Museum of Science and Industry Science Pub Hillsboro. Venetian Theatre, Hillsboro, OR. September 2011.
- 2011 Friends or Foes: The Art, Science, and Cultural Connections between People and Crows. Keynote Presentation 42nd Annual Meeting of the Guild of Natural Science Illustrators, Olympia, Washington July 2011.
- 2011 Friends or Foes? Facing the Facts about American Crows. Oregon Museum of Science and Industry Science Pub Portland. Mission Theater, Portland, OR. March 2011.
- 2011 Friends or Foes? Facing the Facts about American Crows. Oregon Museum of Science and Industry Science Pub Eugene. Cosmic Pizza, Eugene, OR. January 2011.
- 2011 Friends or Foes? Facing the Facts about American Crows. Institute of Continued Learning. Willamette University, Salem, Oregon. January 2011.
- 2010 Friends or Foes? Facing the Facts about American Crows. Oregon Museum of Science and Industry Science Pub Salem. Brown's Town Lounge, Salem OR. November 2010.
- 2010 Friends or Foes? Facing the Facts about American Crows. Willamette University Homecoming Program. September 2010.
- 2010 Last Lecture: Swan Song of the Bird Man. Eastside Residence Halls, Willamette University. April 2010.
- 2008 A Tern, a Crow and a Flicker: How Amateur Photographers are Advancing Wild Bird Research. Salem Audubon Society, Salem, OR. September 2008.
- 2007 Backyard Birding and the Scientific Citizen. Straub Environmental Learning Center. Salem, OR. February, 2007.
- 2006 The Life of Colonial Waterbirds on Lewis & Clark's Lower Columbia. Skamokawa Center, Skamokawa, WA. September 2006.
- 2006 Fishing on the Move - Understanding Migration and Foraging Ecology of Caspian Terns from Oregon to Mexico. Alumni Event, Nike Campus, Beaverton, OR.
- 2005 Salmon in Salem - Understanding the Role of Fish Eating Birds, City of Salem, Watershed Education Program, Salem, OR.
- 2004 The Birds of Salem's Creeks, City of Salem, Watershed Education Program, Salem Public Library, Loucks Hall, Salem, OR.
- 2003 Avian predation of salmon on the Columbia River. Rotary International, Downtown Salem Club.

- 2003 Salmon and their Predatory Birds. Willamette University Institute for Continued Learning.
- 2002 Terns versus Salmon: Conservation of Endangered Columbia River Salmon and a Federally Protected Seabird. Rotary International, East Salem Club, OR.
- 2002 Altar Boy to Evolutionist: Why I Believe in Darwin's Theory of Natural Selection. 1st Annual Darwin Day Celebration. Willamette University, February 2002.
- 2001 Terns versus Salmon: Conservation of Endangered Columbia River Salmon and a Federally Protected Seabird. North Salem High School, Salem, OR.
- 2001 Terns versus Salmon: Conservation of Endangered Columbia River Salmon and a Federally Protected Seabird. Jane Goodall Roots and Shoots Magnet Program of Waldo Middle School.
- 2001 Caspian Terns on the Columbia River: The controversial issue of endangered salmon in the diet of a diverse seabird community. Parents & Family Weekend, Willamette University.
- 2000 Breeding seabirds of the Columbia River. Oregon Coast Aquarium Public Lecture Series, Newport, OR.
- 2000 Caspian terns and salmon of the Columbia River. Birder's Night. Salem Audubon Society, Salem, OR.
- 2000 Saving our salmon and seabirds: Understanding the unique biology of Caspian Terns in the Pacific. Gray's Harbor Audubon Society, Aberdeen, WA.
- 2000 Decoys in Seabird Conservation: Classroom Workshop. Warrenton Public School, Warrenton, OR.
- 1999 The Role of Corvids as Nest Predators: Bad Birds or Brilliant Brains, Portland Audubon Society. Nature Lecture Series, Portland, OR.
- 1999 Caspian Terns: Devil birds or scapegoats for declining salmon? Portland Audubon Society. Nature Lecture Series, Portland, OR.
- 1999 Avian predation of Columbia River Salmon. Columbia River Maritime Museum, Astoria, OR..
- 1997 The role of corvids as nest predators. Audubon Society, Fort Collins, CO.
- 1996 Birds of Boulder County. Community Education Seminar, City of Boulder, CO.

K-12 Science Outreach:

- 2012 Presentation to 4th Grade Classroom of Christy Caton, "Squirrel Science." Alameda Elementary School, Portland, OR. May 2012.
- 2012 Presentations to Jason Niedermeyer's IB Animal Behavior, "A Tern for Migration Research," South Salem High School, Salem, OR. March 2012.
- 2010-present Co-director, Darwin Discovery Days: Salem-Keizer Science Expo, Salem, OR
- 2008 My Big Backyard is for the Birds! Thorton Grade School, Seattle, WA
- 2009 Sponsor, Salem-Keizer School District Science Expo, Salem, OR
- 2005-2006 Scoping Out Biology Workshop, Houck Middle School, Salem, OR
- 2002-2006 Research Advisor, Jane Goodall Environmental Magnet School, Waldo Middle School, Salem, OR
- 2003, 2004 Taxidermy Workshops, North Salem High School, Salem, OR

University Teaching:

- Willamette University:** Behavioral Ecology (2000-2001, 2003-2004, 2006, 2009-2011)
- Ecology (2001- 2003, 2005-2007, 2012)
- Ecology, Evolution & Diversity Lecture. (2002, 2005, 2009-2011)
- Ecology, Evolution & Diversity Lab (2000-2007, 2009-2011)
- Evolution (2001, 2003, 2005- 2007)

Senior Seminar (2004, 2007, 2010)
Ornithology Seminar (2005)
Off-Campus Director: Perth, Australia (2009)
Post Session: Ecuador & Galapagos (2002, 2004)
Post Session: Hawaii (2003)
Vertebrate Zoology (2001-2003)
Principles of Biology Lecture (2000)
College Colloquium : Willamette Naturalist 2.0 (2008, 2010)
College Colloquium: Medical Futures (2006)

Lewis & Clark College: Field Biology (1990)
Perspectives in Biology: Environmental Sciences (1999)

University of Colorado: Animal Behavior (1998)
General Biology (1992-1997)
Ornithology (1996-1997)
Advanced Vertebrate Zoology (1995, 1996)
Biology for Non-majors: A Human Approach (1991-1995)
Genetics (1995)
Ecology (1994)
Lead Graduate Teacher Certification Program (1994-1996)

Undergraduate Research Mentoring: (student names listed alphabetically)

Willamette University:

- Adelsheim, Julia. 2011. Citizen Science: Marine Animal Tracking Using Peer-to-Peer Photo Sharing. Environmental Science Thesis.
- Bee, Emily. 2012. The Effects of Phytoestrogens on the Development and Behavior of Zebra fish (*Danio rerio*). Carson Grant, Biology Thesis.
- Bennett, Danielle . 2005. Strategies for Success in an Urban Landscape: A Case Study of Western Scrub-Jays (*Aphelocoma californica*) During the Breeding Season. Biology Thesis.
- Berg, Jacob . 2003. Eastern Gray Squirrel (*Sciurus carolinensis*) Scent Mark Decision-Making: Testing if Decisions are Made Based on Distance from Nest or Tree Type. Biology Thesis.
- Blake, Jennifer. 2000. An Analysis of Urban Stream Benthic Macroinvertebrate Communities in Salem, Oregon: An Initial Assessment of Stream Health in Claggett, Glenn, and Mill Creek . Biology Thesis.
- Brown, Carson . 2004. Patterns of Nest Predation Across an Urban Rural Gradient: Differing Predator Assemblages. Biology Thesis.
- Brown, Theresa. 2005. The Functional Significance of Vocal Copying in the European Starling (*Sturnus vulgaris*). Biology Thesis.
- Buckley, Shannon. 2007. Using Birds as Indicators of Restoration Success in the Deer Creek Watershed. Carson Grant.
- Buechley, Evan. 2006. A study of Fisheries and Waterfowl on the Pacific Coast of Mexico. Environmental Science Thesis.
- Bui, Oanh T. 2004. Female Mate Choice in the Guppy, *Poecilia reticulata*: a Study of Female Response to Color Stimuli. Biology Thesis.
- Chiono, Anton. 2006. The Effects of Spatial Snag Distribution on Cavity Nesting Bird Species in Ponderosa Pine Forests of the Eastern Cascades. Presidential Scholar, Environmental Science Thesis.
- Chin, Brittany, 2012. Using Extrinsic Markers to Identify Individual Eastern Gray Squirrels. Biology Thesis.
- Clague, Gillian. 2007. Megafauna Succession on Historic Deep-Sea Lava Flows. Biology Thesis.

- Claveria, Timmi. 2002. The Effects of the Aquatic Herbicide Rodeo on *Pteronarcys californica* Naiads. Biology Thesis.
- Close, Liesl Nicole. 2002. Respiratory Metabolism of the Juvenile Garter Snake, *Thamnophis sp.* Biology Thesis.
- Ezray, Briana. 2012. Native Bees throughout the Willamette Valley. College Colloquium Grant.
- Friedrich, Shealyn. 2012. Individual Lateralization of Feeding Behavior in a Bill-load Holding Seabird. , Student Collaborative Research Program, Biology Thesis with Honors.
- Friedman, Tim. 2003. Basic Local Natural Histories of Western Scrub Jays, *Aphelocoma californica*. Biology Thesis.
- Hernandez, Victor . 2007. Adaptive Behaviors of the Western Scrub Jay, *Aphelocoma californica*, in a Suburban Environment. Biology Thesis.
- Hudson, Benjamin. 2001. A Quantitative Study of Substrate Preference for Scent Marks of Eastern Gray Squirrels (*Sciurus carolinensis*). Biology Thesis.
- Gilmore, Brian. 2005. Osprey Nest Location Along the Willamette River. Biology Thesis.
- Gilmore, Kelly. 2007. Osprey Nest Site Selection Along the Willamette River. Biology Thesis.
- Grabman, Bartholomew . 2012. Factors that Affect Response Time in Collegiate-Based EMS . Biology Thesis with Honors.
- Grace, Jacquelyn. 2007. The Development and Lateralization of Prey Delivery in a Bill Load Holding Bird. Biology Thesis with Honors.
- Grace, Jacquelyn. 2006. Age dependant lateralized prey delivery and chick rearing of Caspian Terns (*Sterna caspia*). Library Research Award, Student Collaborative Research Program.
- Greiner, Sarah. 2011. Ethnography. Columbia River Estuary & Willamette's Liberal Arts Research Community (CREW LARC).
- Gutzler, Benjamin . 2010. Recognition of benevolent human faces by American crows (*Corvus brachyrhynchos*). Biology Thesis.
- Holmboe, Zachariah. 2003. Effect and Implications of Visual Lateralization On The Mating Orientation Guppies (*Poecilia reticulata*). Biology Thesis.
- Holmboe, Zachariah. 2002. Patterns of nest predation in at Minto Brown Island Park, Salem, OR. Student Collaborative Research Program.
- Keys, Patrick . 2005. Nest Behavior of adult Burrowing Owls (*Athene cunicularia*) as an Indicator of Nest Status in Thunder Basin National Grassland. Biology Thesis.
- Keys, Patrick. 2004. Conservation in American Samoa National Park. Carson Grant.
- Lantz, Samantha. 2004. Observer Bias and Accuracy of Field Identification of the Bill Loads of Caspian Terns (*Sterna caspia*). Biology Thesis.
- Ledford, Timothy M. 2001. Jellyfish In Captivity: A Functional Analysis of the Predatory Habits Of The Pacific Sea Nettle, *Chrysaora fuscescens*. Biology Thesis.
- Leong, Diana . 2004. The Effect of Display Background on the Mate Choice Behaviors of the Guppy (*Poecilia reticulata*). Biology Thesis.
- Letts, Caitlin. 2005. A Field Guide to the Birds of Washington Park Carson Grant.
- Letts, Caitlin. 2006. Creation and Testing of Western Scrub Jay (*Aphelocoma californica*) Decoys. Biology Thesis.
- Lugg, Mary. 2010. Avian Biodiversity: Comparing Avian Abundance and Diversity According to Stand type at Willamette University's Zena Forest. Environmental Science Thesis.
- Luukinen, Bryan. 2002. Response of the Eastern Grey Squirrel (*Sciurus carolinensis*) to Predator Scent and Its Effect on Foraging Behavior. Biology Thesis.

- Mac, Tatiana. 2008. Qualitative and Quantitative Valuation of the Trees on the Willamette University Campus Using Aerial Photography and Geographic Information Systems. Environmental Science Thesis.
- Mayfield, Mariah. 2007. Avian Abundance and Urban Noise: Evaluation of Mitigated Wetlands in Salem, OR. Biology Thesis.
- McNeilly, Emily. 2010. Cross-modal Representation in the Domestic Dog, *Canis familiaris*. Biology Thesis.
- Mercer, Melissa. 2010. Visual Laterality and Asymmetry of the Flight Response in the Domestic Horse, *Equus caballus*. Biology Thesis.
- Moffett, Annika. 2011. The Effects of Phytoestrogens on the Development and Behavior of Zebra fish (*Danio rerio*). Carson Grant.
- Moore, Andrea. 2004. The Effects of Siblings on Anxious Reactions in Response to Novel and Familiar Objects in Infant Rhesus Macaques. Biology Thesis.
- McKnight, Celeste. 2001. Distribution of Mammals Within Woodland and Grassland Habitats at Ndarakwai reservel Tanzania, as Determined by Droppings. Biology Thesis.
- Muhs, Amy. 2002. Communal Chimney Roosting of Migrating Vaux's Swifts (*Chaetura vauxi*) Near Salem, Oregon. Biology Thesis.
- Neu, Justin. 2003. A Survey Of American Crow (*Corvus brachyrhynchos*), Steller's Jay (*Cyanocitta stelleri*), and Western Scrub Jay (*Aphelocoma californica*) In Salem, Oregon With Respect To Three Habitats: A Baseline Measure Before West Nile Virus. Biology Thesis.
- Nguyen, Minh. 2004. The Effect of Coloration on Predation in Male Guppies (*Poecilia reticulata*). Biology Thesis.
- Niedermeyer, Jason. 2001. Reproduction and the Seasonal Effect on the Home Range Size of the Western Gray Squirrel (*Sciurus griseus*). Biology Thesis.
- Nielsen, Gregory. 2005. Determining Relationships Between Sex Ratio and Scent Mark Density for Eastern Gray Squirrels (*Sciurus carolinensis*). Biology Thesis.
- Olson, Christopher L. 2001. Effects of Social Stimulation and Isolation on the Aggressive Behavior of Male *Betta splendens*. Biology Thesis.
- Olson, Peter. 2008. Concordance Between Phylogenetic Hypotheses and the Evolution of Avian Tool Use and Sociality. Biology Thesis.
- Ostermick, Melissa. 2007. Specificity of Vocalizations in the American Crow. Carson Grant.
- Panui, Leili'a. 2001. The Effects Of Poaching On The Population Composition Of African Elephants (*Loxodonta africana*) In The Tarangire Region of Tanzania. Biology Thesis.
- Parkinson, Erin. 2011. Parasite Resistance to Anthelmintics in the Dairy Goats of Whatcom County, Washington. College Colloquium Grant.
- Parkinson, Erin. 2012. Parasite control through field management. Fred Wert Collaborative Research in Sustainability Grant
- Paulsen, Gunnar. 2011. Fiction writer. Columbia River Estuary & Willamette's Liberal Arts Research Community (CREW LARC).
- Phillips, Stacie. 2005. Mapping the Campus Canopy: A Tool for Predicting the Behavioral Ecology of Eastern Gray Squirrels (*Sciurus carolinensis*) Ramirez, Daniel. 2003. Nest Predators In Willamette Gallery Forests: Insights From Experimental Nests. Biology Thesis.
- Pichette, Claire. 2004. Randomly Amplified Polymorphic DNA analysis of an expanding urban population of Western Scrub-Jays (*Aphelocoma californica*) in Salem, Oregon . Biology Thesis.
- Polzin, Mathew. 2010. Constructing Agent-Based Models to Predict Offspring Survivorship as a Function of Lateralized Behavior of Parents. Presidential Scholar, Summer Collaborative Research Program, Computer Science Thesis.

- Rameriz, Daniel. 2003. Nest Predators In Willamette Gallery Forests: Insights From Experimental Nests. Student Collaborative Research Program, Biology Thesis.
- Rebol, Erynn. 2011. Studio Art. Columbia River Estuary & Willamette's Liberal Arts Research Community (CREW LARC).
- Reuland, Kenady. 2004. Establishment of a Model Species for Cognitive Studies in the field and in captivity: Western Scrub Jays on an Urban College Campus. Student Collaborative Research Program, Biology Thesis.
- Robb, Allyssa. 2001. Space Use, Interspecific Agonistic Interactions, And Foraging Efficiency In Relation To Competition Between Eastern And Western Gray Squirrels (*Sciurus carolinensis*) And Western Gray Squirrels (*Sciurus griseus*). Biology Thesis.
- Robinson, Sabrina. 2003. Effects of Nest Location and Egg Characteristics On Artificial Nest Predation Rate, And Determination Of Major Nest Predators In An Urban Area. Biology Thesis.
- Ryan, Brady. 2012. Fighting for a Fish: Evaluating Patterns of Sibling Rivalry in Caspian Terns. Biology Thesis.
- Sasaki, Kimberlee. 2004. Video Field Guide of Social Behaviors, Reproductive Strategies, and Population Ecology of Eastern Gray Squirrels (*Sciurus carolinensis*) and California Ground Squirrels (*Spermophilus beecheyi*). Biology Thesis.
- Seilo, Zach. 2007. Territory Dynamics of the Western Scrub Jay (*Aphelocoma californica*) in an Urban Habitat. Biology Thesis.
- Shinn, Joel. 2005. The Foraging Ecology and Migration of Caspian Terns (*Sterna caspia*). Biology Thesis.
- Smith, Victoria. 2012. Mechanisms of Bile Transport and Excretion in the Sea Lamprey, *Petromyzon marinus*. Biology Thesis.
- Spiering, Penny. 2003. Diet Composition and Chick Provisioning of Caspian Terns (*Sterna caspia*) on East Sand Island, Oregon. Biology Thesis, Summer Collaborative Research Program. Biology Thesis.
- Swenson, Paul. 2005. Migration Routes and Stopover Locations of Caspian Terns (*Sterna caspia*) Captured in the Columbia River Estuary. Summer Collaborative Research Program, Biology Thesis.
- Swift, Kaeli. 2009. Friend or Foe: Wild American Crows (*Corvus brachyrhynchos*) are capable of recognizing and recalling human foes, but are interspecific friendships also possible? Biology Thesis.
- Swift, Kaeli. 2008. Peer to peer photo sharing and field readable tags: a simple powerful tool for citizen science and following marked birds, Summer Collaborative Research Program.
- Tatsuda, Robin. 2002. The Social Palsticity and Urinary Odor Recognition in the Male House Mouse (*Mus musculus*). Biology Thesis.
- Thompson, Lee. 2001. A Comparative Study of the scent mark preferences of the Eastern Gray Squirrel (*Sciurus carolinensis*) at Willamette University and Bush Park. Biology Thesis.
- Tsuha, Aaron T. 2001. Sex and Aggressive Behavior as Factors in Home Range Sizes of Eastern Gray Squirrels (*Sciurus carolinensis*). Biology Thesis.
- Van Ronzelen, Mark. 2003. The Substrate Preference of Prickly Sculpin (*Cottus asper*) While Living In A Cold Tank Aquarium. Biology Thesis.
- Vasereno, Amy. 2004. Misclipped Coho Salmon (*Oncorhynchus kisutch*): Finding Evidence of Illegal Ocean Angling at the Sandy River Salmon Hatchery, OR. Biology Thesis.
- Warren-Allen, Rachael. 2004. Road Crossings: A Survey of Wildlife Presence and Mortality Along Roads in Agricultural Oregon. Biology Thesis.
- Weeber, Matthew Adam. 2002. The Effect of Varied Riparian Conditions on Benthic Macroinvertebrate Distribution in an Urban Stream: Pringle Creek, Salem Oregon. Biology Thesis.
- Wood, Britta. 2004. A Behavioral and Chemical Study of Scent-marking by Eastern Gray Squirrels (*Sciurus carolinensis*). Biology Thesis.

Woolsey, Matthew. 2000. Use of Randomly Amplified Polymorphic DNA (RAPD) to Study Genetic Diversity Within a Population of White-Nosed Coati *Nasua narica* from Chiricahua National Monument, AZ. Biology Thesis.

Lewis & Clark College

Phillips, Jennifer L. 2007. A Comparative Study of Color Variation in the Juvenal Plumage of Terns (Sternini). Biology Thesis with Honors, Lewis & Clark College.

University of Colorado, Boulder

Snyder, Soley. 1995. Human Impact and the Nesting Success of the American Robin (*Turdus migratorius*) in Two Riparian Areas of Boulder County. Environmental, Population, and Organismic Biology, Biology Thesis with Honors.

Willamette University Service:

Major Committees, Task Forces, and Working Groups:

2011-2015	Willamette University team leader, National Science Foundation ADVANCE program (NSF 10-593), Advancing the Careers of Women in STEM at Predominantly Undergraduate Institutions through Professional Networks,” (lead institution, Gonzaga University)
2011-present	Project Director, Willamette Alumni Collaborative Research Program.
2009-present	Co-Director, Science Collaborative Research Program.
2012	Howard Hughes Medical Institute Undergraduate Science Education Program. “Biosciences and Society: An Integrative Curriculum for Engaging Future Leaders.” Key Personnel & Leadership Team. Unfunded, \$1,533,867.
2009-2011	Member, Willamette Strategic Planning Task Force.
2010	National Science Foundation RCN-UBE: Pacific Northwest Biological Education Network (PNBEN): Using regional pedagogical communities to improve undergraduate learning environments in biology. Leadership Team. Unfunded.
2008	Howard Hughes Medical Institute Undergraduate Science Education Program. “Further Opportunities for the Community of Undergraduate Scientists (FOCUS)” Outreach Section Co-lead. Unfunded, \$1,533,867.
2005-2007	Member, Academic Council.
2005	Off Campus Studies Committee.

Admissions and Alumni Office:

2002-2012	Admission Recruiting Events
2011	Fall Open House Panel
2001, 2005, 2010	Spring Preview Faculty Board for Parent Questions

Biology Department:

2008-present	Biology Department Chair
2001-present	Animal Collections Manager
2002-2009	Coordinator and Lecturer, Willamette Darwin Day Lecture & Debate
2001-2006	Olin Building Supervisor

Student Life:

2004-present	Tri-Beta Biological Honor Society Psi Chi Chapter Faculty Advisor
2002-2007, 2009-2012	Student Scholarship Recognition Day Moderator
2001, 2005, 2010, 2012	Parents & Family Weekend Mini-University Instructor
2012	Willamette Academy OHSU Oregon Primate Center Tour

2012 AVID Chemewa Indian School Science Workshop
 2012 ALIANZA'S Women's History Month
 2010 Panelist, Sustainability Month Panel - Responding to the film "Rivers and Tides"
 2003-2008 Biology's Undergraduate Club -Willamette University Faculty Advisor
 2010 Willamette Academy Service Project
 2010 Willamette Events Board Midnight Breakfast
 2008 Willamette Academy Research Workshop
 2006 Panelist, Avian Flu Panel. Willamette University Convocation Series.
 2006 Panelist, Darwin Day Panel, Willamette University.
 2004 Panelist, Willamette University Dempsey Environmental Panel, "Is Nature Calling? Environmental Vocation in the 21st Century."

Other Service:

Ad Hoc Professional Reviewer: *Animal Cognition, Auk, Biological Conservation, Condor, Journal of Wildlife Management, North American Bird Bander, Transaction of the American Fisheries Society, US Fish & Wildlife Service, Waterbirds, Wilson Bulletin.*

Professional Mentoring:

2008, 2012 Judge, Pacific Seabird Group Meeting Student Posters & Presentations
 2006-2008 Willamette Consortium for Faculty Diversity at Liberal Arts Colleges, advisor to Dr. Alex Jordan, Lausanne Dissertation & Postdoctoral Fellow
 2008 Graduate Student Mentor (Careers at Primarily Undergraduate Institutions), American Ornithologists' Union

Guild of Natural Science Illustrators:

2012 Juror for *The Art of Science: Works by the Guild of Natural Science Illustrators*. Salem Art Association, Salem, OR.
 2012 Panel Discussion on the Art of Science. Salem Art Association
 2011 Host, Oregon Group Meeting of Guild of Natural Science Illustrators at Willamette University. <http://www.gnsi.org/groups/gnsi-oregon-group/gnsi-oregon-group-meeting-report>

Community Service:

2012 Social Action Representative, Miss Representation.org
 2012 Community Forestry Advisory Committee, City of Salem
 2011-2012 Marion County Community Health Improvement Partnership, Salem-Keizer Working Group
 2004-2006 Board of Directors, Salem Audubon Society
 2006, 2007 Krautmann-Jefferson Farm Oak and Prairie Habitat Restoration Project research advisor for Oregon Department of Fish and Wildlife Landowner Incentive Program
 2005 Faculty Sponsor, Marion Soil & Water District and the Native Plant Society of Oregon course "Gardening with Native Plants"
 2005 Volunteer, Pet Day, Environmental Health Science Center, Oregon State University
 2004 Consultant to John Flicker, CEO of National Audubon Society
 2002-2004 Environmental Commissioner, City of Salem
 2002 Northwest Forest Ecology Program Steering Committee
 2001 Workshop Leader, 10th Annual International Migratory Bird Day

Professional Development:

2012	Charting a Personal and Professional Future: The Feedback Loop of the Academic Work/Life Balance by Jeanne L. Narum, Director of the Independent Colleges Office, Willamette University.
2011-2012	Keck-iScience Workshop, Willamette University
2012	Department and Division Chair Workshop of the Council of Independent Colleges Portland, Oregon.
2012	Technology Enhanced Learning Workshop by Dr. Tanya Joosten, Northwest Academic Computing Consortium and Willamette University.
2012	Responding to the Mandate of “Vision and Change in Undergraduate Biology Education”, Willamette Valley Biological Education Network in Collaboration with Project Kaleidoscope, Lewis & Clark College, Portland, Oregon.
2011	New Biology: From Courses to Competencies. Advancing what works in STEM education. Willamette Valley Biological Education Network in Collaboration with Project Kaleidoscope. Mt. Hood Community College, Gresham, Oregon. http://www.aacu.org/pkal/regionalnetworks/documents/2011WVBENFinalNotebook_000.pdf
2010	Too Little Time, Too Much to Cover? Effective Teaching and Learning in Undergraduate Intro Biology Courses. Willamette Valley Biological Education Network in Collaboration with Project Kaleidoscope. Willamette University.
2009-present	Portland Behavior Club

Professional Society Membership:

2001-present	American Association for the Advancement of Science
1991-present	American Ornithologists' Union
1991-present	Association of Field Ornithologists
1991-present	Cooper Ornithological Society
2010	National Association of Biology Teachers
1998-present	Pacific Seabird Group
1995-2006	Society for Conservation Biology
1997-2002, 2012	The Wildlife Society
1991-2009	Wilson Ornithological Society

Selected Group Exhibitions:

- *Columbia River Avian Predation Project* (Pen, ink, paper), The Art of Science: Works by the Guild of Natural Science Illustrators. Salem Art Association, Bush Barn Gallery. June 2012.
- *Zena Web* (steel, aluminum, silk screen) by Andries Fourie and David Craig in Art at Zena Exhibition, Salem Art Association, Bush Barn Gallery, April 2011.

Selected Media Coverage:

- “Squirrel photos needed, everyone apply” Salem Weekly April 12, 2012
<http://www.willamettelive.com/2012/news/squirrel-photos-needed-everyone-apply/>
- “Murder of Crows” PBS Nature. October 2010. www.pbs.org/wnet/nature/episodes/a-murder-of-crows/full-episode/5977/
- “Cult of CORAX” by Rebecca Brant. The Scene. Spring 2006.
www.willamette.edu/scene/2006/spring/32/
- “Bird Watching-Researchers' Way: Students Track Western Scrub Jays” by Beth Caspar. The Statesman Journal. May 21, 2005.

- “Seabirds Face Eviction From Mouth of River” by Beth Caspar. *The Statesman Journal*. August 26, 2004.
- “Terns Join Dams as Salmon’s Foe – but Don’t Tell Gore” by John Fialka. *The Wall Street Journal*. August 11, 2000.
- “Unnatural Selection” by Paul Kvinta. *Outside Magazine*. September 1999.
- “Terns moved to save salmon” by Keith Seinfeld. National Public Radio, Morning Edition June 1999.
- “Caspian tern colony relocation” by Kristian Foden-Vencil. Oregon Public Radio, April 16 1999.