

CURRICULUM VITAE

Anthony J. DeNicola

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Education

- 1996 Ph.D. Purdue University (GPA: 4.0/4.0)
Thesis: "Control of reproduction in overabundant white-tailed deer populations"
- 1990 M.E.S. Yale University School of Forestry (GPA: 3.5/4.0)
- 1988 B.S. Trinity College, Hartford, Connecticut (GPA: 3.3/4.0)
- 1986-87 Visiting student, University of Vermont (GPA: 3.2/4.0)

Experience

- 2013 Research Associate, University of Georgia
- 1999-present Certified Wildlife Biologist, The Wildlife Society
- 1997-present Research Associate, Denver Zoological Foundation
- 1995-present President, White Buffalo, Inc.
- 2003-2006 Adjunct Faculty Member, Rutgers University
- 1998-2004 Research Associate, University of Illinois
- 1995-2005 Visiting Faculty Member, Trinity College
- 1997-2003 Research Affiliate, Yale University
- 1989-2006 Nuisance Wildlife Control Operator, State of Connecticut

Honors and Awards

- 1995 The Honor Society of Agriculture, Gamma Sigma Delta
- 1994 Best Paper Award, Indiana Chapter of The Wildlife Society
- 1988 J. Wendell Burger Prize, Trinity College award for outstanding achievement in Biology

Research Support

- 2013-2016 The Villages Golf and Country Club, San Jose, CA, "Experimental control of a partially enclosed suburban population of white-tailed deer using surgical sterilization", \$180,000, Principal investigator
- 2012-2014 The Village of Cayuga Heights, NY, "Experimental control of a suburban population of white-tailed deer using surgical sterilization", \$185,000, Principal investigator
- 2012-2015 Center for Disease Control, "An Integrated and Individual Tick Management program to reduce risk of Lyme disease in a residential endemic area", \$152,525, Co-principal investigator
- 2012-2014 E. I. du Pont de Nemours and Co., Bridgeport, Connecticut, "Evaluation of dart-delivered GonaCon immunocontraceptive in female white-tailed deer", \$62,800, Principal investigator
- 2011-2014 Wildlife Rescue, Phoenix, MD, "Experimental control of a suburban population of white-tailed deer using surgical sterilization", \$95,000, Principal investigator
- 2005-2008 E. I. du Pont de Nemours and Co., Newark, Delaware, "Experimental control of an enclosed suburban population of white-tailed deer using sharpshooting followed by GonaCon™ immunocontraceptive treatments", \$108,000, Principal investigator
- 2005-2008 Giralda Farms, Madison, New Jersey, "Efficacy evaluation of GonaCon™ immunocontraceptive vaccine for white-tailed deer: A FDA pivotal field study", \$190,000, Principal investigator
- 2004-2006 Princeton Township, NJ, "Experimental control of a suburban population of white-tailed deer using SpayVac® ", \$120,000, Principal investigator
- 2001-2006 Cleveland Metroparks, Cleveland, Ohio, "Experimental control of an urban population of white-tailed deer using contraception ", \$542,150, Principal investigator
- 2004-2007 E. I. du Pont de Nemours and Co., Bridgeport, Connecticut, "Evaluation of alternative PZP immunocontraceptive formulations in female white-tailed deer", \$110,000, Principal investigator
- 2000-2003 E. I. du Pont de Nemours and Co., Bridgeport, Connecticut, "Evaluation of alternative PZP immunocontraceptive formulations in female white-tailed deer", \$63,860, Principal investigator
- 1999-2000 E. I. du Pont de Nemours and Co., Bridgeport, Connecticut, "Experimental control of an enclosed suburban population of white-tailed deer using contraception", \$29,268, Principal investigator

1999-2000	Center for Disease Control, "Control of the tick, <u>Ixodes scapularis</u> Say, on white-tailed deer at an urban Lyme disease focus", \$20,960, Co-principal investigator
1999-2000	United States Department of Agriculture, "Control of the tick, <u>Ixodes scapularis</u> Say, on white-tailed deer at a suburban Lyme disease focus", \$30,000, Co-principal investigator
1998-1999	Center for Disease Control, "Control of the tick, <u>Ixodes scapularis</u> Say, on white-tailed deer at an urban Lyme disease focus", \$20,600, Co-principal investigator
1998-1999	United States Department of Agriculture, "Control of the tick, <u>Ixodes scapularis</u> Say, on white-tailed deer at a suburban Lyme disease focus", \$50,000, Co-principal investigator
1997-1998	Center for Disease Control, "Control of the tick, <u>Ixodes scapularis</u> Say, on white-tailed deer at an urban Lyme disease focus", \$20,000, Co-principal investigator
1997-1998	United States Department of Agriculture, "Control of the tick, <u>Ixodes scapularis</u> Say, on white-tailed deer at a suburban Lyme disease focus", \$46,000, Co-principal investigator
1995-1999	E. I. du Pont de Nemours and Co., Bridgeport, Connecticut, "Evaluating adjuvants and effects of long-term contraception on female white-tailed deer", \$248,888, Co-principal investigator
1993-1996	Northern Indiana Public Service Company, "Efficacy of chemical contraception on female white-tailed deer", \$51,236, Co-principal investigator

Society Affiliations

- National Animal Damage Control Association
- The Society of Conservation Biology
- The Wildlife Society

Research Interest

- Behavioral /Ecological approaches to wildlife damage control
- Control of introduced vertebrate species
- Wildlife reproductive control

Oral Presentations

- 2011 North American Deer Farmers Association Annual Conference
- 2010 National Wildlife Control Operators Association Conference
Northeast Fish and Wildlife Conference
University of Tokyo
The Wildlife Society 17th Annual Conference
46th Annual NE Deer Technical Committee Meeting
George Wright Society
- 2009 Vassar College
- 2008 Northeast Fish and Wildlife Conference
- 2007 Northeast Fish and Wildlife Conference
- 2006 Texas State University
- 2004 Rutgers Animal Science Department Seminar Series
- 2003 The Wildlife Society 10th Annual Conference
- 2001 Northeast Fish and Wildlife Conference
- 1999 Joint Midwest and Northeast Deer Technical Committee Meeting
Eastern Wildlife Damage Management Conference
- 1999 Northeast Deer Technical Committee Meeting
Coe College Biology Seminar and Issues Discussion
- 1998 The Wildlife Society 5th Annual Conference
Connecticut Nuisance Wildlife Control Operator's Euthanasia Training Course
- 1997 Southeast Deer Study Group Meeting
Northeast Fish and Wildlife Conference
Midwest Fish and Wildlife Conference
- 1996 Northeast Fish and Wildlife Conference
The Wildlife Society 3rd Annual Conference
- 1994 Indiana Chapter of The Wildlife Society
American Society of Mammalogists, 75th Anniversary Meeting
Sycamore Audubon Society
Indiana Department of Natural Resources, Deer Advisory Committee
- 1993 Midwest Fish and Wildlife Conference
- 1992 Northeast Deer Technical Committee Meeting

Manuscripts In Print

- Bertrand, M. R., A. J. DeNicola, S. R. Beissinger, and R. K. Swihart. 1996. Effects of parturition on home-ranges and social affiliations of female white-tailed deer. *Journal of Wildlife Management* 60:899-909.
- Boulanger, J. R., P. D. Curtis, E. G. Cooch, and A. J. DeNicola. 2012. Sterilization as an alternative deer control technique. *Human-Wildlife Interactions*. 6(2):273-282.
- Daniels, T. J., R. C. Falco, E. E. McHugh, J. Vellozzi, T. Boccia, A. J. DeNicola, J. M. Pound, J. A. Miller, J. E. George, and D. Fish. 2009. Acaricidal treatment of white-tailed deer to control *Ixodes scapularis* (Acari: Ixodidae) in a New York Lyme disease-endemic community. *Vector-Borne and Zoonotic Diseases* 9:381-387.
- DeNicola, A. J., D. Etter, and T. Almendinger. 2008. Demographics of non-hunted white-tailed populations in suburban areas. *Human-Wildlife Conflicts* 2:102-109.
- DeNicola, A. J., D. J. Kesler, and R. K. Swihart. 1997. Dose determination and efficacy of remotely delivered norgestomet implants on contraception in white-tailed deer. *Zoo Biology* 16:31-37.
- DeNicola, A. J., D. J. Kesler, and R. K. Swihart. 1997. Remotely delivered prostaglandin F_{2a} implants terminate pregnancy in white-tailed deer. *Wildlife Society Bulletin* 25:527-531.
- DeNicola, A. J., and R. K. Swihart. 1997. Capture-induced stress in white-tailed deer. *Wildlife Society Bulletin* 25:500-503.
- DeNicola, A. J., R. K. Swihart, and S. R. Beissinger. 1992. Testing secondary metabolites of plants as deer repellents. *Transactions of the Northeast Section of the Wildlife Society* 48:120-125.
- DeNicola, A. J., R. K. Swihart, and D. J. Kesler. 1996. The effect of remotely delivered gonadotropin formulations on reproductive function of white-tailed deer. *Drug Development and Industrial Pharmacy* 22:847-850.
- DeNicola, A. J., K. C. VerCauteren, P. D. Curtis and S. E. Hynstrom. 2000. Managing white-tailed deer in suburban environments: A technical guide. Cornell Cooperative Extension, Cornell University. 52pp.
- DeNicola, A. J., S. J. Weber, C. A. Bridges, and J. L. Stokes. 1997. Nontraditional techniques for management of overabundant deer populations. *Wildlife Society Bulletin* 25:496-499.
- DeNicola, A. J., and S. C. Williams. 2008. Sharpshooting suburban white-tailed deer reduces deer-vehicle collisions. *Human-Wildlife Conflicts* 2:28-33.
- Gionfriddo, J. P., A. J. DeNicola, L. A. Miller, and K. A. Fagerstone. 2011. Efficacy of GnRH immunocontraception of wild white-tailed deer in New Jersey. *Wildlife Society Bulletin*. 35:142-148.
- Gionfriddo, J. P., A. J. DeNicola, L. A. Miller, and K. A. Fagerstone. 2011. Health effects of GnRH immunocontraception of wild white-tailed deer in New Jersey. *Wildlife Society Bulletin*. 35:149-160.

- Kenny, D. E., A. J. DeNicola, S. Amgalanbaatar, Z. Namshir, G. Wingard, and R. P. Reading. 2008. Successful field capture techniques for free-ranging argali sheep (*Ovis ammon*) in Mongolia. *Zoo Biology*. 0:1-8.
- Kesler, D. J., D. T. Bechtol, and A. J. DeNicola. 1998. Administration of pharmaceuticals and vaccines via remote delivery in biodegradable, needle-less implants. *Large Animal Practice*.
- Kilpatrick, H. J., A. J. DeNicola, and M. E. Ellingwood. 1996. Comparison of standard and transmitter-equipped darts for capturing white-tailed deer. *Wildlife Society Bulletin* 24:306-310.
- Kilpatrick, H. J., S. M. Spohr, and A. J. DeNicola. 1997. Darting urban deer: techniques and technology. *Wildlife Society Bulletin* 25:542-545.
- Magnarelli, L. A., A. J. DeNicola, K. C. Stafford III, and J. F. Anderson. 1995. *Borrelia burgdorferi* in an urban environment: white-tailed deer with infected ticks and antibodies. *Journal of Clinical Microbiology* 33:541-544.
- Morrison, S. A., A. J. DeNicola, K. Walker, D. Dewey, L. Laughrin, R. Wolstenholme, and N. Macdonald. 2014. An irruption interrupted: Eradication of wild turkey from Santa Cruz Island, California. *Oryx*. In Press.
- O'Donnell, M. A., and A. J. DeNicola. 2006. Den site selection of lactating female raccoons following removal and exclusion from suburban residences. *Wildlife Society Bulletin* 34:366-370.
- Reading R.P., S. Amgalanbaatar, D. Kenny, A. J. DeNicola, and E. Tuguldur. 2007. Siberian Ibex (*Capra sibirica*) Home Ranges in Ikh Nart Nature Reserve, Mongolia: Preliminary Findings. *Mongolian Journal of Biological Sciences* 2007 Vol. 5:29-37.
- Reading, R. P., S. Amgalanbaatar, D. Kenny, Yo. Onon, Z. Namshir, and A. DeNicola. 2003. Argali ecology in Ikh Nartiin Chuluu Nature Reserve: Preliminary Findings. *Mongolian Journal of Biological Sciences* 1:3-14.
- Reading, R. P., S. Amgalanbaatar, G. J. Wingard, D. Kenny, and A. DeNicola. 2005. Ecology of argali in Ikh Nartiin Chuluu, Dornogobi Aimag. *Erforschung Biologischer Ressourcen der Mongolei (Halle/Saale)* 9:77-89.
- Reading, R.P., D. Kenny, S. Amgalanbaatar, A. J. DeNicola, and G. Wingard. 2009. Argali Lamb (*Ovis ammon*) morphometric measurements and survivorship in Mongolia. *Mammalia* 73:98-104.
- Stafford, K. C., III, A. J. DeNicola, and L. A. Magnarelli. 1996. Presence of *Ixodiphagus hookeri* (Hymenoptera: Encyrtidae) in two Connecticut populations of *Ixodes scapularis* (Acari: Ixodidae). *Journal of Medical Entomology* 33:183-188.
- Stafford, K. C., III, A. J. DeNicola, J. M. Pound, J. A. Miller, and J. E. George. 2009. Topical treatment of white-tailed deer with an acaricide for the control of *Ixodes scapularis* (Acari: Ixodidae) in a Connecticut Lyme borreliosis hyperendemic community. *Vector-Borne and Zoonotic Diseases* 9:371-379.
- Stafford, K. C., III, A. J. DeNicola, and H. J. Kilpatrick. 2003. Reduced abundance of *Ixodes scapularis* (Acari: Ixodidae) and the tick parasitoid *Ixodiphagus hookeri* (Hymenoptera: Encyrtidae) with reduction of white-tailed deer. *Journal of Medical Entomology* 40:642-652.

- Swihart, R. K., and A. J. DeNicola. 1995. Modeling the impacts of contraceptives on populations of white-tailed deer. Pages 151-163 in J. McAninch, ed. Urban deer - a manageable resource? North Central Chapter of The Wildlife Society.
- Swihart, R. K., and A. J. DeNicola. 1997. Public involvement, science, management, and the overabundance of deer: Can we avoid a hostage crisis? *Wildlife Society Bulletin* 25:382-387.
- Swihart, R. K., P. M. Picone, A. J. DeNicola, and L. Cornicelli. 1995. Ecology of urban and suburban white-tailed deer. Pages 35-44 in J. McAninch, ed. Urban deer - a manageable resource? North Central Chapter of The Wildlife Society.
- Swihart, R. K., H.P. Weeks, Jr., A.L. Easter-Pilcher, and A. J. DeNicola. 1998. Nutritional condition and fertility of white-tailed deer (*Odocoileus virginianus*) from areas with contrasting histories of hunting. *Canadian Journal of Zoology* 76:1932-1941.
- Williams S. C., and A. J. DeNicola. 2001. Spatial movements in response to baiting female white-tailed deer. Proceedings of the Ninth Wildlife Damage Management Conference. State College, Pennsylvania.
- Williams S. C., and A. J. DeNicola. 2005. Home range increase of lactating female white-tailed deer following herd reduction. *Northeast Wildlife* 57:29-38.
- Williams, S. C., A. J. DeNicola, T. Almendinger, and J. Maddock. 2013. Evaluation of organized hunting as a management technique for overabundant white-tailed deer in suburban landscapes. *Wildlife Society Bulletin* 37:137-145.
- Williams, S. C., A. J. DeNicola, and I. M. Ortega. 2008. Behavioral responses of white-tailed deer subjected to lethal management. *Canadian Journal of Zoology* 86:1358-1366.