

## **CURRICULUM VITAE**

**Anthony J. DeNicola**

### **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**

- 2003-present    Adjunct Faculty Member, Rutgers University
- 1999-present    Certified Wildlife Biologist, The Wildlife Society
- 1998-present    Research Associate, University of Illinois
- 1997-present    Research Associate, Denver Zoological Foundation
- 1995-present    President, White Buffalo, Inc.
- 1995-present    Visiting Faculty Member, Trinity College
- 1997-2003       Research Affiliate, Yale University
- 1992-96         Research Assistant, Purdue University
- 1994             Guest Lecturer, Wildlife Ecology
- 1994             Guest Lecturer, Mammalogy
- 1989-90         Wildlife Module Instructor, Yale School of Forestry
- 1989-2006       Nuisance Wildlife Control Operator, State of Connecticut
- 1987-89         Research Assistant, Connecticut Agricultural Experiment Station

### **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/performance in biology

## Research Support

- 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, Ixodes scapularis 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, Ixodes scapularis 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, Ixodes scapularis 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, Ixodes scapularis 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, Ixodes scapularis 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, Ixodes scapularis 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**

- 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
- 2000 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.
- 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. 2006. Acaricidal treatment of white-tailed deer to control *Ixodes scapularis* (Acari: Ixodidae) in a New York Lyme disease-endemic community. *Journal of Medical Entomology*
- 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<sub>2α</sub> 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. Hyngstrom. 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.
- 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.
- Kenny, D. E., and A. J. DeNicola. 2007. Survey results for remote delivery systems and darts utilized by U.S. zoological parks and aquariums. *Journal of Zoo and Wildlife Medicine* In review.
- 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.
- 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(2): .
- Sage, J. L., N. H. McCoy, and A. J. DeNicola. 2006. Is immunocontraception a cost-effective tool to reduce suburban deer conflicts. *Journal of Wildlife Management*. In review.
- 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. 2006. Topical treatment of white-tailed deer with an acaricide for the control of *Ixodes scapularis* (Acari: Ixodidae) in a Connecticut Lyme borreliosis hyperendemic community. *Journal of Medical Entomology*.
- 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, and I. M. Ortega. 2008. Behavioral responses of white-tailed deer subjected to lethal management. *Canadian Journal of Zoology* 86:1358-1366.