

EXTRAMURAL FUNDING RECEIVED AS PRINCIPAL INVESTIGATOR

As Principal Investigator, Dan Molloy has directed 44 research projects totaling over 5 million dollars

- 2017 – 2021 *Biological Control of Dreissenid Mussels.* U.S. Bureau of Reclamation – U. S. Department of the Interior. \$380,000.
- 2017 – 2019 *The Natural Enemies of Dreissenid Mussels: An Update of the Seminal Monograph Published in 1997.* Cofunded by NOAA New York Sea Grant & the Hudson River Foundation. \$99,517
- 2013 – 2014 *A Color Test Strip Protocol for Identifying Live Dreissenid Mussels.* U. S. Fish and Wildlife Service. \$58,025.
- 2010 – 2013 *Safe Dreissena Control: Promise for Unionid Restoration.* U. S. Environmental Protection Agency – Great Lakes Restoration Fund. \$999,996.
- 2008 – 2010 *Commercialization of an Innovative Green Technology for Controlling Zebra Mussels.* National Science Foundation subaward through Marrone Organic Innovations. \$275,000.
- 2008 – 2009 *Susceptibility of Zebra and Quagga Mussel Veligers to Control with Bacteria.* U.S. Bureau of Reclamation. \$100,000.
- 2008 – 2009 *Field Testing of Bacteria for the Control of Quagga Mussels in the Western United States.* U.S. Bureau of Reclamation. \$20,000.
- 2008 – 2009 *A Rapid Molecular Method for Detecting Parasites of Zebra and Quagga Mussels.* U.S. Bureau of Reclamation. \$30,000.
- 2006 – 2007 *Stabilization of a Protein Toxin -- An Essential Step in the Commercialization of an Innovative Method for Controlling Zebra Mussels.* National Science Foundation subaward through Particle and Coating Technologies. \$49,306.
- 2003 - 2008 *Environmentally Safe Control of Zebra Mussel Fouling.* U.S. Department of Energy National Energy Technology Laboratory. \$1,160,688.
- 2001 - 2003 *Biotoxin Identification: An Important Step in the Commercialization of a Biocontrol Agent for Zebra Mussels.* New York State Energy Research and Development Authority. \$134,299.
- 2000 - 2003 *Fermentation Scale-Up of a Novel Bacterial Agent for the Biological Control of Zebra Mussels in Power Generation Facilities.* New York State Energy Research and Development Authority. \$199,916.
- 2000 - 2003 *A Bioprocessing Solution to Address the Environmental Challenge to Fossil Fuel Plants Caused by Zebra Mussel Infestations.* U.S. Department of Energy National Energy Technology Laboratory. \$290,988.
- 2000 - 2002 *Invasive Plant and Animal Species Technology Transfer.* U.S. Army Corps of Engineers. \$42,805.
- 2000 - 2002 *Evaluation of a Biological Agent to Protect Unionids from Zebra Mussel Infestation.* U.S. Fish & Wildlife Service. \$75,935.

- 2000 - 2002 *Cytogenetics - A Tool for Species Discrimination among Trematode Parasites of Zebra Mussels (Dreissena spp.)*. National Research Council Twinning Program with Lithuania. \$16,000.
- 1999 - 2002 *Zebra Mussel Information System CD & Web Page*. U.S. Army Corps of Engineers. \$77,675.
- 1999 - 2002 *Use of Bacteria for the Biological Control of Zebra Mussels*. New York State Sea Grant. \$233,500.
- 1999 - 2000 *Nontarget Safety of a Zebra Mussel Bacterial Control Agent*. U.S. Department of Energy National Energy Technology Laboratory. \$15,000.
- 1998 - 1999 *Taxonomy of Zebra Mussel Parasites*. U.S. Army Corps of Engineers. \$10,000.
- 1997 - 1998 *Nontarget Effects of a Bacteria Used for the Biological Control of Zebra Mussels*. NYS Department of Environmental Conservation. \$5,000
- 1997 - 1998 *Histological Analysis of North American Zebra Mussels for Parasites*. U.S. Army Corps of Engineers. \$16,500.
- 1996 - 1997 *Histological Analysis of European Zebra Mussels for Parasites*. U.S. Army Corps of Engineers. \$7,000.
- 1995 - 1999 *Zebra Mussel Parasites – U.S./Belarussian/Russian/Ukrainian Joint Project*. National Science Foundation. \$108,180.
- 1995 - 1996 *Survey of European Zebra Mussel Parasites*. U.S. Army Corps of Engineers. \$10,735.
- 1995 - 1996 *Production of the Manuscript Entitled “Biological Control of Zebra Mussels.”* U.S. Army Corps of Engineers. \$10,150.
- 1994 - 1995 *Travel to Former Soviet Union to Initiate Zebra Mussel Research Collaboration*. National Academy Sciences and National Research Council. \$2,200.
- 1994 - 1995 *Production of the Manuscript Entitled “Natural Enemies of Zebra Mussels.”* Hudson River Foundation. \$8,626
- 1994 - 1994 *Monitoring Zebra Mussels*. New York State Electric and Gas. \$5,000.
- 1992 - 1993 *Prevention of Zebra Mussel Attachment*. Decora Manufacturing. \$5,000.
- 1991 - 1997 *Biological Control of Zebra Mussels with Toxic Microorganisms*. Empire State Electric Energy Research Corporation. \$671,423.
- 1989 - 1990 *Environmental Impact of Bacillus thuringiensis var. israelensis on the Stream Ecosystem*. Abbott Laboratories. \$9,000.
- 1987 - 1988 *Impact of Biological Control of Black Flies on Trout and Sculpin Population Densities*. Sport Fishery Research Foundation. \$ 3,480.
- 1986 - 1988 *Evaluation of a Simuliid Biocontrol Agent*. National Institutes of Health. \$109,473.
- 1986 - 1988 *Environmental Impact of Bacillus thuringiensis var. israelensis on the Stream Ecosystem*. Abbott Laboratories. \$17,000.

- 1983 - 1986 *Evaluation of a Simuliid Biocontrol Agent.* National Institutes of Health. \$149,668.
- 1983 - 1984 *Evaluation of Natural Parasites and Other Entomopathogens for Simulium Control.* World Health Organization. \$7,000.
- 1982 - 1987 *The Adirondack Project: An Investigation of the Technical Feasibility of Control of Black Flies in Mountainous Regions with the Bacterium Bacillus thuringiensis var. israelensis.* Consortium of industries in conjunction with Adirondack governmental bodies. \$34,500.
- 1982 - 1984 *Adhesion of Bacillus thuringiensis var. israelensis Particles in Flowing Water.* World Health Organization. \$3,000.
- 1981 - 1982 *Conference on Black Fly Control Using Bacillus thuringiensis var. israelensis.* Abbott Laboratories; Sandoz, Inc.; and Biochem Products. \$7,000.
- 1980 - 1983 *Screening and Evaluation of Bacillus sphaericus and Bacillus thuringiensis var. israelensis as Black Fly Control Agents.* World Health Organization. \$48,000.
- 1980 - 1981 *Evaluation of Simuliid and Culicid Biocontrol Agents* (Supplement to \$176,054 grant listed above). National Institutes of Health. \$22,340.
- 1979 - 2000 *Research Training for Technicians.* Washington County Employment and Training. \$85,100.
- 1979 - 1981 *Evaluation of Simuliid and Culicid Biocontrol Agents.* National Institutes of Health. \$176,054.