

Curriculum Vita

Bernadette D. O'Reilly

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Education

- 2006 – 2009 Duke University
M.S. Biological Sciences –Molecular Genetics of Mycology
Dr. Paul Manos, advisor
Dr. Francois Lutzoni, advisor
- 2001 – 2006 University of Wisconsin, La Crosse
B.S. Biology *Cum Laude*
Dr. Thomas J. Volk, advisor
- 2000-2001 University of Minnesota, Morris
PSEO

Research Experience

Duke University Biology Department, M.S.

Characterization and phylogenetics of the Eugaric mycoparasite *Entoloma abortivum* and its *Armillaria* hosts."
Advisors: Dr. Francois Lutzoni and Dr. Paul Manos

University of Wisconsin-La Crosse -Biology Department. B.S.

The ectomycorrhizal relationship of *Morchella* (morels) with plant roots.
Collaborators: Dr. Thomas Volk and Marsha Harbin

Isolation and identification of contaminants involved in the fruiting of morel mushrooms.
Advisor: Dr. Thomas Volk.

Chemical induction of fruiting by *Armillaria gallica* as it relates to the formation of carpophoroids with *Entoloma abortivum*.
Advisor: Dr. Thomas Volk.

University of Wisconsin-La Crosse -Chemistry Department, lab assistant.

Extraction and purification of antimicrobial compounds from fungal fruiting bodies.
Primary Investigator: Dr. Aaron Monte.

University of Minnesota-Morris, Lab and field assistant.

Chemical control of the circadian rhythms of *Neurospora*.
Primary Investigator: Dr. Van Gooch

The effects of fire and grazing on plant population in native Minnesota prairies.
Primary Investigator: Margaret Keuchenreuther

Employment and other experience

2009 – present	Microtrace, LLC, Research Biologist
2007-2009	Duke University Biology Department, Teaching Assistant
2007	Freelance Microscopy Consultant, TYCO Electronics
2003-2006	University of Wisconsin, La Crosse, laboratory assistant Dr. Thomas J. Volk, supervisor
2002-2006	Field volunteer West Salem, Wisconsin American Chestnut Foundation

Professional Affiliations

- Microscopy Society of America (2007- present)
- Systematic Biology (2008-present)
- Mycological Society of America (2003-present)
- North American Mycological Society (2003-present)

Honors, Awards and Grants

- Graduate Student Research Grant. Duke Biology Department, 2008
- Graduate Student Research Grant. Duke Biology Department, 2007
- Strelzchek Award (Top Graduate in School of Science). UW –La Crosse, 2006
- Top Biology Graduate, Biology Department, UW-La Crosse, 2006
- Benjamin Cummings Biology Prize. Pearson Education, 2005
- Mentor Student Travel Award. Mycological Society of America, 2005
- Allen C. Nelson Mycology scholarship: UW – La Crosse, 2005
- Allen C. Nelson Biology scholarship. UW – La Crosse, 2005
- Mentor Student Travel Award. Mycological Society of America, 2004
- Allen C. Nelson Mycology scholarship: UW – La Crosse, 2004
- Dean's Distinguished Undergraduate Research Fellowship. UW – La Crosse, 2003
- Undergraduate research travel grant. UW – La Crosse, 2003

- Undergraduate research grant. UW – La Crosse, 2003
- Piano Performance Scholarship. UW – La Crosse, 2002

Courses Taught

- Biological Diversity Laboratory
Duke University Biology Department, 2009
- Biological Diversity Laboratory
Duke University Biology Department, 2008
- Introductory Mycology, teaching assistant
University of Wisconsin, La Crosse, 2005
Dr. Thomas J. Volk, instructor
- Dyeing with Mushrooms
Dyeing with Mushrooms
Mushroom Workshop, Michigan, 2005
- Dyeing with Mushrooms
Dyeing with Mushrooms
North American Mycological Association, 2005
- Dyeing with Mushrooms
Dyeing with Mushrooms
Mushroom Workshop, Michigan, 2004

Presentations

- Interspecies dating: the story of *Armillaria* and *Entoloma abortivum*. O'Reilly, B. and R. Vilgalys. (2008) Mycological Society of America, Penn State.
- The ectomycorrhizal relationship of *Morchella* (morels) with plant roots. O'Reilly, B., M. Harbin, T.J. Volk. (2006) Mycological Society of America/American Phytopathology Society/Canadian Phytopathology Society, Quebec City, Quebec.
- The Interactions of *Morchella esculenta* with fungi and bacteria isolated from morels. O'Reilly, B. and T.J. Volk (2005) Mycological Society of America Hilo, Hawaii
- Dyeing with mushrooms. O'Reilly, B. (2005) North American Mycological Society
- Dawning of the age of *Lactarius*. O'Reilly, B. (2005) North American Mycological Society
- Dyeing with mushrooms. O'Reilly, B. (2005) Mushroom Workshop, Michigan
- Preliminary isolation and identification of fungi and bacteria associated with morel fruiting. O'Reilly, B. and T.J. Volk. (2004) Mycological Society of America Asheville, North Carolina
- Dyeing with mushrooms. O'Reilly, B. (2004) Mushroom Workshop, Michigan

- Supporting your American lifestyle –the fungal way. O'Reilly, B. (2004) University of Wisconsin-La Crosse
- Preliminary isolation and identification of fungi and bacteria associated with morel fruiting. O'Reilly, B. and T.J. Volk. (2003) Undergraduate Research and Creativity Day, University of Wisconsin-La Crosse

Poster Presentations

- Time-lapse and fluorescence microscopy of hyphal interactions of *Armillaria* with its pathogen *Entoloma abortivum*. O'Reilly, B. and T.J. Volk. (2004) Mid-Continent Mycological Meeting, Madison, Wisconsin
- Time-lapse and fluorescence microscopy of hyphal interactions of *Armillaria* with its pathogen *Entoloma abortivum*. O'Reilly, B. and T.J. Volk. (2003) Mycological Society of America/British Mycological Society joint meeting. Asilomar, California
- Time-lapse and fluorescence microscopy of hyphal interactions of *Armillaria* with its pathogen *Entoloma abortivum*. O'Reilly, B. and T.J. Volk. (2002) Undergraduate Research and Creativity, University of Wisconsin-La Crosse

Publications

- Harbin, Marsha, Bernadette O'Reilly and Thomas J. Volk. The relationship of *Morchella* with plant roots. (manuscript in preparation)

Conferences attended

- Mycological Society of America 2008, Penn State, Pennsylvania
- Mycological Society of America 2007, Baton Rouge, Louisiana
- North American Mycological Association 2007 West Virginia
- Mycological Society of America 2006, Quebec City, Quebec
- Mycological Society of America 2005, Hilo, Hawaii
- North American Mycological Association 2005 Wisconsin (foray leader)
- Alexander H. Smith Lake States forays 2005, Wisconsin
- Mushroom workshop 2005, Michigan
- Mycological Society of America 2004, Asheville, North Carolina
- North American Mycological Association 2004, Asheville, North Carolina
- Alexander H. Smith Lake States forays 2004, Michigan
- Mushroom workshop 2004, Michigan
- Mycological Society of America 2003, Asilomar, California

- Alexander H. Smith Lake States forays 2002, Indiana
- Mushroom workshop 2002, Michigan
- Alexander H. Smith Lake States forays 2001, Wisconsin