

# CURRICULUM VITAE

**Eric J. Wetzel**

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## PERSONAL INFORMATION

Date of Birth: June 15, 1967; Harrisburg, Pennsylvania  
Married, Suzanne Wetzel (6/2/90)  
Children: 5; Emily Wetzel (8/21/93), Margaret Wetzel (4/11/95), Carolyn Wetzel (4/24/98), Rebekah Wetzel (5/20/03); Elijah Wetzel (7/15/04)

## EDUCATION

Wake Forest University, Department of Biology, Ph.D. 1992-1995 (Advisor: Dr. Gerald W. Esch)  
Wake Forest University, Department of Biology, M.S. 1989-1992 (Advisor: Dr. Peter D. Weigl)  
Millersville University, B.S. 1987-1989, Cum Laude in Biology  
Harrisburg Area Community College, A.A. 1985-1987, High Honors in Life Sciences

### *Additional Training*

Attendee, 2008. "Africa and the Liberal Arts Conference," Colorado College, CO  
Participant, 1999. "Forging a Link" conference on enhancing relationships between high school and college biology programs. Hope College, MI  
Participant, 1997. National Science Foundation Chautauqua: Marine Invertebrate Diversity & Ecology. Friday Harbor Laboratory, WA  
International travel experience to Jamaica, Belize, China, Ecuador, Peru

## PROFESSIONAL EXPERIENCE

### TEACHING

Associate Professor of Biology, Wabash College, 2002-present  
Department Chair, 2006- present  
Assistant Professor of Biology, Wabash College, 1996-2002  
*Courses taught:* General Biology (2 semesters); Invertebrate Biology; Parasitology; Ecology; Senior Seminar (discussion of primary literature, various topics centered on larval ecology, community ecology, and parasite/host interactions); Independent Student Research; Freshman Tutorial (Disease & Human History); Cultures & Traditions (an interdisciplinary, all-college course)  
Trip Leader for Field experiences involving students: Gulf Coast Research Laboratory (MS); Hofstra Univ. Marine Laboratory, Jamaica; South Water Caye, Belize  
Biology Instructor for L.I.F.E. Summer Program (for high school students), Wabash College, June 1998, 2001  
Visiting Assistant Professor in Biology, Wake Forest University, January 1995--June 1996  
*Courses taught:* Invertebrate Biology, Parasitology, Evolutionary & Ecological Biology  
Graduate Teaching Assistant: Comparative Physiology, Evolutionary and Ecological Biology, Parasitology, 1989-1994  
Health Careers (Minority) Opportunity Program, WFU, Summer 1994

## GENERAL

Advisory Review Board, Neotropical Helminthology  
Auditing Committee, 60<sup>th</sup> Annual Midwestern Conference of Parasitologists, 2008  
Auditing & Resolutions Committee, American Society of Parasitologists, '07-'08  
Presiding Officer, 57<sup>th</sup> Ann. Midwest. Conf. of Parasitologists held at Wabash College, June 2005  
Ashton Cuckler New Investigator Award Committee, American Society of Parasitologists, '04 – '06  
Service on Wabash College-wide committees: MMA Research Scholar Comm ('07-'09); Cultures & Traditions (all-college course) Steering Comm. ('05-'08); Off-campus Study Comm.('01-02; '03-'05); Lilly Scholarship Selection Committee ('03-'06); Outstanding Achievement Comm. ('03-'04); Academic Policy Committee ('99-'01); Teaching & Learning Committee ('97-'99; co-chair '99 – '00); Grants & Fellowships Committee; Animal Use & Welfare committee ('05-'09); Library Advisory committee; Attrition & Retention Committee (Division I [sciences])  
Participated in Inquiry into Out-of-Class Experiences; participated in ongoing discussions as part of Center of Inquiry in the Liberal Arts at Wabash College, Summer 2001  
Co-Chair of 'Host-Parasite Interactions' Paper Session, 72nd Ann. Mtg. of the ASP, Nashville TN, June 1997  
Reviewer, *The Journal of Parasitology*; *The Journal of the Helminthological Society of Washington*; *Comparative Parasitology*; *Diseases of Aquatic Organisms*; *Journal of Wildlife Diseases*; *The American Midland Naturalist*, *Journal of the Marine Biological Association (U.K.)*; *Journal of the Arkansas Academy of Sciences*  
Organized and Presented Seminar on "How To Apply To Graduate School, and What To Expect When You Get There", Wabash College, Fall 1996, 1997  
Student Workshop Committee, ASP, 1995  
Graduate Student Representative to the Faculty, Biology Department, Wake Forest University, 1991-1994  
Auditing Committee, Southeastern Society of Parasitologists, 1993

## GRANTS, HONORS AND AWARDS

Faculty Development Grant (in support of sabbatical work in Peru), Wabash College, Oct. 2009  
Sabbatical extension for work on Global Health, Center of Inquiry in the Liberal Arts, Wabash College, Fall 2008.  
McLain-McTurnan-Arnold Research Scholar Award, Wabash College, Spring 2003 (semester research leave)  
Faculty Development Grant (for participation in 1997 NSF Chautauqua), Wabash College, Dec. 1996  
Nominated, Clark P. Read New Investigator Award, American Society of Parasitologists, 1996, 1997  
Meritorious Award for Oral Paper Presentation, Am. Soc. of Parasitol., 1995  
Marc Dresden Student Travel Grants, Am. Soc. of Parasitol., 1992, 1994, 1995  
Theodore Roosevelt Memorial Fund Research Grant, American Museum of Natural History, April, 1994  
RECREAC Grant (university research grant), Wake Forest University (with Dr. G. Esch), 1994  
Sigma Xi (Wake Forest Chapter) Award for Best Poster Presentation in the Biological Sciences, 9th Annual Student Research Symposium, Wake Forest University, 1993  
Elton C. Cocke Award for the Outstanding Graduate Student, Department of Biology, Wake Forest University, 1991-92  
Nominated for Am. Soc. of Parasitol. Student Representative to Council, 1992, 1993  
Sigma Xi Grant-in-Aid of Research, 1990  
Elton C. Cocke Travel Grants, Department of Biology, Wake Forest University, 1990-1995  
Outstanding Chemistry Student, American Chemical Society, Harrisburg Area Comm. Coll., 1987  
John Hall Tuition Scholarship, Harrisburg Area Community College, 1985-1987

## PUBLICATIONS

- Wetzel, E.J. 2009. Editorial -- Opportunities for research in helminthology in Peru: My own experience. Submitted to Neotropical Helminthology.
- Wetzel, E.J. & K. Luth\*. In prep. Seasonal infection dynamics of *Crepidostomum cornutum* in its crayfish intermediate host. To be submitted to The Journal of Parasitology.
- Wetzel, E.J., R. Waldon\*, C. Pohl\*, & O. Mainuddin\*. Life history trade-offs made by sphaeriid clams infected with the allocreadiid trematode *Crepidostomum cornutum*. To be submitted to The Journal of Parasitology.
- Wetzel, E.J. & E.W. Shreve\*. 2003. The influence of habitat on the distribution and abundance of metacercariae of *Macravestibulum obtusicaudum* (Pronocephalidae) in a small Indiana stream. The Journal of Parasitology 89(5): 1088-1090.
- Ferrell, D.L.\* , N.J. Negovetich\*, & E.J. Wetzel. 2001. Effect of temperature on the infectivity of metacercariae of *Zygocotyle lunata* (Digenea: Paramphistomidae). The Journal of Parasitology 87(1): 10-13.
- Zelmer, D.A., E.J. Wetzel & G.W. Esch. 1999. The role of habitat in structuring *Halipegus occidualis* metapopulations in the green frog. The Journal of Parasitology 85(1): 19-24.
- Wetzel, E.J. & G.W. Esch. 1997. Infrapopulation dynamics of *Halipegus occidualis* and *Halipegus eccentricus* (Digenea: Hemiuridae): Temporal changes within individual hosts. The Journal of Parasitology 83(6): 1019-1024.
- Esch, G.W., E.J. Wetzel, D.A. Zelmer, & A.M. Schotthoefer. 1997. Long-term changes in parasite population and community structure: A case history. The American Midland Naturalist 137: 369-387.
- Luciano, R.\* & E. J. Wetzel. 1996. Effect of infection with the digenetic trematode *Halipegus occidualis* on the behavior of their second intermediate host. CANCAS (J. of the Coll. Acad. of the NC Acad. of Sci.) 42: 65-73.
- Wetzel, E.J. & G.W. Esch. 1996. Seasonal population dynamics of *Halipegus occidualis* and *Halipegus eccentricus* (Digenea: Hemiuridae) in their amphibian host, *Rana clamitans*. The Journal of Parasitology 82(3): 414-422.
- Wetzel, E.J. & G.W. Esch. 1996. Influence of odonate intermediate host ecology on the infection dynamics of *Halipegus occidualis*, *Haematoloechus complexus* and *Haematoloechus longiplexus* (Trematoda: Digenea). Journal of the Helminthological Society of Washington 63(1): 1-7.
- Wetzel, E.J. & G.W. Esch. 1995. Effect of age on the infectivity of *Halipegus occidualis* (Digenea: Hemiuridae) cercariae to its second intermediate host. Invertebrate Biology 114(3): 205-210.
- Wetzel, E.J. 1995. Book review of Dunwoody Pond: Reflections on the High Plains Wetlands and the Cultivation of Naturalists, by John Janovy, Jr. Journal of Parasitology 81(2): 285.
- Wetzel, E.J. & P.D. Weigl. 1994. Ecological implications for flying squirrels (*Glaucomys* spp.) of effects of temperature on the *in vitro* development and behavior of *Strongyloides robustus*. The American Midland Naturalist 131: 43-54.

(\* undergraduate student)

## PRESENTATIONS

- Wetzel, E.J. 2009. Invited talk – Ecology of Parasites, presented to Ohio Odonata Society, March 2009.
- Wetzel, E.J. 2008. Invited talk - The role of habitat in the structuring of the *Halipegus occidualis* (Trematoda: Hemiuridae) metapopulation of the green frog, *Rana clamitans*. 1<sup>st</sup> Peruvian Congress of Helminthology and Associated Invertebrates – International Meeting of Asociación Peruana de Helminología e Invertebrados Afines (APHIA). Lima, Peru.
- Wetzel, E.J. 2008. Invited talk – Big decisions in a small stream: Population dynamics and life history of

- Crepidostomum cornutum* (Trematoda: Allocreadiidae) in its two intermediate hosts. 1<sup>st</sup> Peruvian Congress of Helminthology and Associated Invertebrates – International Meeting of Asociación Peruana de Helminología e Invertebrados Afines (APHIA). Lima, Peru.
- Luth, K.\* & E.J. Wetzel. 2008. Population dynamics of *Crepidostomum cornutum* in its crayfish second intermediate host. 1<sup>st</sup> Peruvian Congress of Helminthology and Associated Invertebrates – International Meeting of Asociación Peruana de Helminología e Invertebrados Afines (APHIA). Lima, Peru. October. Also presented at the 60<sup>th</sup> Annual Midwestern Conference of Parasitologists, Urbana-Champaign, IL. June.
- Luth, K.\* & E.J. Wetzel. 2008 (& 2007). *Crepidostomum cornutum*: The life and times of a local Montgomery County parasite. Celebration of student research, scholarship, and creative work. Wabash College.
- Kline, A.\* and E.J. Wetzel. 2007. Effects of infection due to the mucoid secretions of cercariae. Summer research internship poster session, Biology Department, Wabash College.
- Waldon, R.\* & E.J. Wetzel. 2007. Possible parasite-mediated interaction between predator and prey. Summer research internship poster session, Biology Department, Wabash College.
- Wetzel, E.J. 2003. Flukes, Snails, and a Little Sugar: The Influence of Habitat on Parasite Distribution. Ides of August 2003, Wabash College.
- Wetzel, E.J. & E. Shreve\*. 2003. The influence of habitat on the distribution and abundance of metacercariae of *Macravestibulum obtusicaudum* (Pronocephalidae) in a small Indiana stream. 55<sup>th</sup> Annual Midwestern Conference of Parasitologists, East Lansing, Michigan.
- Wetzel, E.J. & J. Burdick\*. 2001. Interaction of trematodes and a commensal annelid with the biology of *Gyraulus parvus* (Gastropoda: Pulmonata). 76<sup>th</sup> Annual Meeting of the American Soc. of Parasitologists, Albuquerque, NM. July 2001.
- Negovetich, N.J.\* & E.J. Wetzel. 2001. Descriptions of a virgulate cercaria from a pulmonate snail. 76<sup>th</sup> Annual Meeting of the American Soc. of Parasitologists, Albuquerque, NM. July 2001.
- Wetzel, E., S. Selvaratnam, and students\*. 2001. A Biology Field Trip to Jamaica. Informal seminar, Dept. of Biology, Wabash College, April 2001.
- Wetzel, E. 2000. Infection is not just a Fluke: Energy and infectivity of a larval parasite. Ides of August 2000, Wabash College. August 2000.
- Wetzel, E. 1999. Symbiology: A Worm's Eye View. Seminar, Dept. of Biology, Wabash College, Dec. 1999.
- Karaganis, S.P.\* & E.J. Wetzel. 1998. Variability in the encystment behavior of cercariae of *Zygocotyle lunata* (Digenea: Paramphistomidae). 50<sup>th</sup> Annual Midwestern Conference of Parasitologists, Terre Haute, IN.
- Ferrell, D.L.\* (& E.J. Wetzel). 1998. Effect of temperature on the viability and infectivity of metacercariae of *Zygocotyle lunata* (Digenea: Paramphistomidae). 50<sup>th</sup> Annual Midwestern Conference of Parasitologists, Terre Haute, IN. May, 1998.
- Wetzel, E.J. 1997. The effects of time and space on trematode population dynamics. Invited seminar, Biology Department, University of Evansville, IN. November 1997.
- Wetzel, E.J., D.A. Zelmer, & G.W. Esch. 1997. The role of habitat in the structuring of the *Halipegus occidualis* metapopulation of the green frog, *Rana clamitans*. American Society of Parasitologists Annual Meeting, Nashville, TN. June 1997.
- Wetzel, E.J. 1997. Trematode population dynamics: Changes in space and time. Invited Ecolunch seminar, Biology Department, Purdue University, IN. April 1997.
- Zelmer, D.A., E.J. Wetzel, & G.W. Esch. 1997. The role of habitat in the structuring of the *Halipegus occidualis* metapopulation of the green frog, *Rana clamitans*. Southeastern Society of Parasitologists Annual Meeting, April, 1997.
- Wetzel, E.J. 1996. Seasonal population dynamics of two digenetic trematodes in their intermediate and definitive hosts. Dept. of Biology, Wabash College; and Dept. of Biology, Northern Michigan University, April, 1996.
- Luciano, R.\* & E. J. Wetzel. 1996. Effect of infection with the digenetic trematode *Halipegus occidualis* on the behavior of its second intermediate host. North Carolina Academy of Sciences,

- 93rd Ann. Meeting, Winston-Salem, NC.
- Wetzel, E.J. & G.W. Esch. 1995. Effect of age on infectivity of cercariae of *Halipegus occidualis* (Digenea: Hemiuridae) to their second intermediate host. American Society of Parasitologists (ASP) 70th Annual Meeting, Pittsburgh, PA.
- Wetzel, E.J. & G.W. Esch. 1994. Seasonal recruitment and infection dynamics of the hemiurid trematodes *Halipegus occidualis* and *H. eccentricus* in their amphibian definitive host *Rana clamitans*. ASP 69th Ann. Mtg., Ft. Collins, CO.
- Wetzel, E.J. 1994. When ecology and molecular techniques meet: Trematodes and RAPDs. Seminar given to Summer Undergraduate Research Experience students, Wake Forest University (WFU), July 1994.
- Wetzel, E.J. & G.W. Esch. 1994. Differentiating the life cycles of *Halipegus occidualis* and *Halipegus eccentricus*: Ecological and molecular approaches. Sigma Xi Student Research Symposium, WFU, April 1994.
- Wetzel, E.J. & G.W. Esch. 1993. The effects of odonate intermediate host ecology on the levels of larval trematode infection: In the wrong place at the wrong time? Joint Meeting of the American Society of Tropical Medicine & Hygiene and the ASP, Atlanta, GA, November 1993.
- Wetzel, E.J. 1993. Parasites and sex: Chasing the Red Queen. Seminar given to Summer Undergraduate Research Experience students, WFU, July 1993.
- Wetzel, E.J. & G.W. Esch. 1993. Ecological determinants of larval trematode infection in 3 species of odonate naiads. Annual Meeting of the Southeastern Society of Parasitologists, Virginia Beach, VA, April 1993.
- Wetzel, E.J. & G.W. Esch. 1993. Odonate host ecology and larval trematode infection: In the wrong place at the wrong time? Sigma Xi Student Research Symposium, WFU, April 1993.
- Wetzel, E.J. & P.D. Weigl. 1992. An *in vitro* examination of the effects of temperature on *Strongyloides robustus*: Ecological implications for the levels of parasitism in two sciurid hosts. ASP 67th Annual Meeting, Philadelphia, Pennsylvania.
- Wetzel, E.J. & P.D. Weigl. 1992. The effects of temperature on the *in vitro* development and behavior of *Strongyloides robustus*: Ecological implications. Southeastern Society of Parasitologists, Annual Meeting, Mobile, Alabama, April 1992.
- Wetzel, E.J. 1991. The effects of temperature on the *in vitro* development of, and host location by, *Strongyloides robustus*: Ecological implications. Biology Department, WFU.
- Wetzel, E.J. & D.A. Zegers. 1989. The diet of Barn Owls (*Tyto alba*) in Lancaster County, Pennsylvania. Meeting of the Pennsylvania Chapter of The Wildlife Society, Shippensburg University, Shippensburg, PA.

(\* undergraduate student)

## RESEARCH INTERESTS

Evolutionary ecology of invertebrates (particularly parasitic helminths)  
 Helminth community structure in invertebrate intermediate hosts  
 Impact of parasites on host ecology, survival and behavior  
 Patterns of colonization by invertebrates

## PROFESSIONAL SOCIETIES

American Society of Parasitologists  
 Annual Midwestern Conference of Parasitologists  
 The Helminthological Society of Washington  
 American Association for the Advancement of Science

## **REFERENCES**

Dr. David Krohne, Professor of Biology  
Dept. of Biology, Wabash College, P.O. Box 352, Crawfordsville, IN 47933  
(phone: 765-361-6255; email: krohned@wabash.edu)

Dr. L. David Polley, Professor of Biology  
Dept. of Biology, Wabash College, P.O. Box 352, Crawfordsville, IN 47933  
(phone: 765-361-6219; email: polleyl@wabash.edu)

Dr. Gerald W. Esch, Wake Forest Professor  
Dept. of Biology, Wake Forest University, P.O. Box 7325, Winston-Salem, NC 27109  
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