

ERIC J. WETZEL, Ph.D.

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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

Participant (incl. member of Steering Comm. & Presenter), 2023. Teach Global Health Summer Institute, Allegheny College, June 19-21, 2017
Participant, “Integrating Experiential Learning in Global Health and Public Health” Faculty Development Workshop, InterAmerican Center for Global Health/AAC&U/CUGH/Allegheny College/etc., Costa Rica, January 4-12, 2020.
Participant, Global Health program, DePauw Univ., “Teaching Public Health using Case Studies.” 5/30/2019
Participant, “Understanding Childhood Trauma - ACEs and Building Self-Healing Communities” conference, Franciscan Health, ISDH and DCS. July 18, 2019
Participant (incl. member of Steering Comm. & Presenter), 2017. Undergraduate Global Health Summer Institute, Allegheny College, June 19-21, 2017
Participant, 2015. Undergraduate Global Health Summer Institute, Allegheny College, June 4-6, 2015
Attendee, 2011. AAC&U conference “Educating for personal and social responsibility: A Twenty-first-century imperative,” Long Beach, CA
Attendee, 2010. Global Health Pre-meeting course: “Haiti: A Case Study for Advancing Global Health,” Amer. Soc. Trop. Med. & Hyg. Meeting, Atlanta, GA
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, Costa Rica, Mexico

PROFESSIONAL EXPERIENCE

TEACHING

Professor of Biology, April 2014 – present

Appointed the Norman E. Treves Professor of Biology, Wabash College, 2010 – June 2021

Associate Professor of Biology, Wabash College, 2002– 2014

Assistant Professor of Biology, Wabash College, 1996– 2002

Courses taught: Epidemiology; Case Studies in Epidemiology; Global Health; Parasitology; Invertebrate Biology; Ecology; Evolutionary Ecology of Parasites; Senior Seminar (Focus on discussion of primary literature; various topics have centered on larval Ecology, community ecology, and parasite-host interactions); General Biology; Non-majors Biology; Independent Student Research; Freshman Tutorials (Disease & Human History; Global Health & Development); Cultures & Traditions (an interdisciplinary, all-college course)

Leader for Course-associated Field experiences involving students: Gulf Coast Research Laboratory, Miss. (2x); Hofstra Univ. Marine Lab, **Jamaica**; South Water Caye, **Belize** (7x); Amazon River, **Peru**; Global Health-related work in **Peru** (coastal, rainforest, Andean zones; 6x); faculty trip to Peru (2x)

Biology Instr. for L.I.F.E. Summer Prog. 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
Health Careers Opportunity Program (for minority students), WFU, Summer 1994

ADMINISTRATIVE SERVICE

Director, Wabash College Global Health Initiative, 2013– *present* (<https://www.wabash.edu/wabashx/health/>)
Authored and oversaw creation of Minor in Global Health, Wabash College, 2016
Facilitated formal agreements between Wabash College and Montgomery County Health Department (Indiana); Universidad Ricardo Palma (Lima, Peru); Universidad Nacional Hermilio Valdizan (Huanuco, Peru); Universidad Nacional Agraria de la Selva (Tingo Maria, Peru)
Oversaw creation of dedicated internship opportunities in Public Health in South Bend, IN, 2016
Co-Leader, Global Health Teaching Workshop, Wabash-DePauw collaborative workshop, May 2016
External reviewer of promotion materials for Prof. Peter Blair, Earlham College, 2018
Chair, Department of Biology, Wabash College 2006 – 2012
Service on Wabash College-wide committees: Global Citizenship, Justice, and Diversity in the Academic Curriculum (elected; '21-'22); Academic Honesty Appeals ('15; '17-'20); Multicultural Concerns ('18-'20); Wellness ('18-'20); Community-engaged Learning ('17-'20); Academic Policy ('14-'16; 1999-'01); Environmental Concerns ('11-'16); Community Service ('13-'15); Admissions ('11-'13); International Studies ('10-'12); MMA Research Scholar ('07-'09); Cultures & Traditions (all-college course) Steering Comm. ('05-'08); Off-campus Study ('01-02; '03-'05); Lilly Scholarship Selection ('03-'06); Outstanding Achievement Comm. ('03-'04); Teaching & Learning (1997-'99; co-chair 1999 –'00; 2022-'23); Grants & Fellowships; Animal Use & Welfare ('05-'09); Library Advisory Comm.; Attrition & Retention (Division I [sciences])
Participated in Inquiry into Out-of-Class Experiences, and ongoing discussions as part of Center of Inquiry in the Liberal Arts (CILA) at Wabash College, Summer 2001
Co-Chair of 'Host-Parasite Interactions' Paper Session, 72nd Ann. Mtg. of the ASP, Nashville TN, June 1997
Organized and Presented Seminar on "How To Apply To Graduate School, and What To Expect When You Get There", Wabash College, Fall 1996, 1997
Graduate Student Representative to the Faculty, Biology Department, Wake Forest Univ., 1991-1994

GENERAL SERVICE

Advisory Team, Purdue University Public Health Graduate Program, Dec. 2015 – 2019
Preceptor, Purdue University, MPH Student Practicum in Peru, 2019; 2021
Advisory Review Board for research journal, Neotropical Helminthology, 2009 – present
Advisory Council and Reviewer for regional Peruvian journal, The Biologist [Lima]
Steering Committee, 2017 Summer Inst. on Undergraduate Educ. in Global Health, Allegheny College
Steering Committee, 2017 Indiana Public Health Association Public Health Month Conference
Scientific Committee, International Congress of Neotropical Parasitology, 2010; 2012; 2016
Auditing Committee, 60th Annual Midwestern Conference of Parasitologists, 2008
Auditing & Resolutions Committee, American Society of Parasitologists, '07-'08
Presiding Officer, 57th Ann. Midwestern Conf. of Parasitologists held at Wabash College, June 2005
Ashton Cuckler New Investigator Award Committee, American Society of Parasitologists, '04 – '06
Reviewer, *The Journal of Parasitology*; *Neotropical Helminthology*; *Parasites & Vectors*; *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*;
Reviewer, Ecology: Evolution, Application, Integration (4 chapters; cover material) by D. Krohne, Oxford Univ. Press

GRANTS, HONORS AND AWARDS (since being at Wabash College)

Sustainable International Partnerships in Global Health. Submitted to GLCA Grand Challenge and Internationalization Innovation Fund, Oct. 2022. (**Funded**, \$71,014)

From Partnership to Exchange: In-person and Virtual Exchange Between Universidad Nacional Hermilio Valdizán (Huánuco, Peru) and Wabash College (USA). Submitted to 100K Strong in the Americas Innovation Fund, Aug. 2022. Not funded.

Lilly Equity & Inclusion Pedagogy Fellowship, 2021-2022 cohort, Wabash College

Wabash College Coss Faculty Development Fund grant for participation in Global Health Experiential Education workshop, Costa Rica, Jan. 2020. (**Funded** \$2000)

McLain-McTurnan-Arnold Excellence in Teaching Award, April 25, 2019, given annually to “a member of the faculty who has distinguished him- or herself by innovative and engaging teaching.”

Butler-Turner Student-Alumni Engagement Award, Inaugural Recipient, May 9, 2017. Given by National Association of Wabash Men “to honor and recognize members of the Wabash faculty and staff who have made an outstanding contribution to Wabash College by distinguishing themselves through the investment of personal time and resources resulting in a significant impact on Wabash students and/or alumni.”

GLCA Internationalization Innovation Fund - *Peru: Immersion scouting and networking trip*, part of the Wabash College Collaborative Int'l Immersion Learning Proposal. **Funded**, \$21,325 to lead a faculty trip to Peru. May 2017.

The Wabash Global Health Initiative: Transforming Lives and Communities Through Local and Regional Global Public Health Connections, submitted to the Samarian Foundation, Inc. \$92,000 requests funding for the GHI's *Local and Regional Global Public Connection* initiatives, which include summer and academic year student internships, the annual Global Health Lecture Series, and to offset costs for an Epidemiology curriculum and Program Coordination. *No action taken by Samarian Foundation*.

Reaching Out: Impacting Communities Through the Wabash Global Health Education Corps (\$17,733 grant proposal) submitted to the Dr. Scholl Foundation, Feb 26, 2016 - *not funded*

GLCA Crossroads: Global Health Faculty Development Workshop, with Sharon Crary and Rebecca Upton, DePauw Univ., submitted 4/26/16. **Funded** \$16,548.

Global Crossroads: Internal Grand Challenge Grant Proposal: Global Health, with Rebecca Upton, DePauw Univ., submitted 4/26/16. *Not funded*.

Montgomery County Community Foundation – Public Health Education in Montgomery County, with Amber Reed and Jill Rogers; submitted 10/6/16. **Funded** \$15,450. *NB*: After conversation with the MCCF, this grant was ultimately submitted from the MC Health Dept., but I participated in all aspects of the planning and writing. Grant supported summer student internships and campus work-study positions.

Expanding Access to Study Abroad through Global Health: Building on Partnerships, grant proposal submitted to Partners of the Americas, \$57,748 (not funded). April 1, 2014

Engaging Global Health in the Local Community: Wabash Global Public Health Fellows, grant proposal submitted to Independent Colleges of Indiana / Ball Venture Fund, \$25,000 (not funded). April 25, 2014

Global Health as a New Direction: Next Steps. Great Lakes Colleges Association (GLCA) New Directions Initiative Grant, 2011 (**funded**, \$3593)

Global Health as a New Direction: First Steps. GLCA New Directions Initiative Grant, 2010 (**funded**, \$5940)

Faculty Development Grant (in support of sabbatical work in Peru; \$800), Wabash College, Oct. 2009

Sabbatical extension for work on Global Health, Center of Inquiry in the Liberal Arts, Wabash

College, Fall 2008 (In-house grant equal to one semester's leave)

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

PUBLICATIONS (* indicates undergraduate student)

Zarate Rendon, D.A., D. G. Padilla, SP Carcausto, A. del Águila, E. Wetzel, JN Vásquez. ***In Review***.

Spatial analysis and risk mapping of *Fasciola hepatica* infection in dairy cattle at the Peruvian central highlands. Submitted to Parasite Epidemiol & Control

Hernández Russo, Z., Cárdenas Callirgos, J., García-Ayachi, A., and EJ Wetzel. 2022. Review of *Diectophyme renale*: Etiology, morphology, biology, ecoepidemiology, pathogenesis, symptomatology, diagnosis, treatment and prevention. The Journal of Parasitology 108(2):180-191.

Iannacone J, Osorio-Chumpitaz M, Utia-Yataco R, Alvarino-Flores L, Ayala-Sulca Y, Del Águila-Pérez CA, Huaccho-Rojas, J., Quinones-Laveriano, DM, Pineda-Castillo, C., Rojas-Bravo, V., Chavez-Cabello, R., La

- Serna-Gamarra, PH, Cardenas-Callirgos, JM, and EJ Wetzel. 2021. Enteroparasitosis en Perú y su relación con el Índice de desarrollo humano. Rev. Med. Inst. Mex. Seguro Soc. 59(5):368-76.
- De La Cruz-Vargas, J.A., E.J. Wetzel, J. Cardenas-Callirgos, S. Velasquez-Vila, & L.E. Correa-Lopez. 2018. Intestinal parasitosis, anemia and school performance. Investigations in Biomedical Science, a publication of Universidad Ricardo Palma. 5:13-44.
- Cárdenas-Callirgos, J. & E.J. Wetzel. 2017. Iniciativa de salud global del Wabash College: Experiencia de inmersión en el Perú. [Sección Especial]. Rev. Fac. Med. Hum. 2017;17(1):89-92. doi 10.25176/RFMH.v17.n1.754
- Iannacone, J.; Cárdenas-Callirgos, J. & Wetzel, E. (Eds). 2017. Abstract Book del VI Congreso Internacional de Parasitología Neotropical (VI COPANEO). *Impacto del Cambio Climático en las Enfermedades Parasitarias. 29 de mayo al 2 de junio del 2017, Lima, Perú. III Simposio Internacional de Salud Global Neotropical "Agua, Contaminación y Parasitosis: Consideraciones Socioculturales" 2 de junio del 2016, Lima, Perú.S1-S179. The Biologist (Lima)*, vol 17, Suplemento Especial 1: S1-S128.
- Iannacone, J., Cárdenas-Callirgos, J. & Wetzel, E. (Eds). 2016. Abstract Book del V Congreso Internacional de Parasitología Neotropical (V COPANEO). "Ecología parasitaria: impacto en la salud global". 29 de mayo al 3 de junio del 2016, Lima, Perú. *II Simposio Internacional de Salud Global Neotropical "Ecología parasitaria: Impacto en la Salud Global " 2 de junio del 2016, Lima, Perú.S1-S141.*
- Iannacone, J., Cárdenas-Callirgos, J. & Wetzel, E. (Eds). 2016. Abstract Book del X Congreso Peruano de Parasitología "Dr. Nicanor Ibáñez Herrera", Lambayeque- Perú. 25 al 27 de noviembre del 2016, Lambayeque, Perú. Facultad de Ciencias Biológicas-Universidad Nacional Pedro Ruiz Gallo, Lambayeque. 1-104.
- Iannacone, J., Cárdenas-Callirgos, J. & Wetzel, E. (Eds). 2015. Abstract Book del IV Congreso Internacional de Parasitología Neotropical (IV COPANEO). *Un Mundo, Una Salud: El Impacto Global de la Investigación en Parasitología". 11 al 16 de Mayo del 2015, Lima, Perú. I Simposio Internacional de Salud Global Neotropical "Enfermedades Parasitarias Desatendidas" 15 de Mayo del 2015, Lima, Perú.S1-S138. The Biologist (Lima)*, vol 13, Suplemento Especial 1. S1-S138.
- Montalvo-Sabino, E, Cipriano-Fonseca, F, Marcelo-Andrade, E, Rosas-Jara, DM, Mines-Huaman, WM, Capcha-Tucto, LN, Chávez-Chávez, C, Benites-Mendoza, B, Sandoval-Tolentino, M, Pineda-Castillo, CA, Cárdenas -Callirgos, J, Wetzel, EJ & Iannacone, J. 2014. Factors associated with contamination of public parks (Huanuco, Peru) by *Toxocara canis* eggs and other endoparasites of zoonotic importance. Neotropical Helminthology 8(2) Jul-Dec: 259-268.
- Zelada-Castro, H, J. Rodríguez-Borda, H. Flores-Liñan, J. León-Manco, E.J. Wetzel & J. Cárdenas-Callirgos. 2013. Notes on intestinal parasitic diseases in artisanal fishermen of the fishing terminal of Chorrillos (Lima, Peru). Neotropical Helminthology, 7(1) Jan-Jun: 155 - 166.
- Literák, I. P. Heneberg, J. Sitko, E.J. Wetzel, J.M. Cardenas-Callirgos, M. Čapek, D. Valle Basto, I. Papoušek. 2013. Eye trematode infection in small passerines in Peru caused by *Philophthalmus lucipetus*, an agent with a zoonotic potential spread by an invasive freshwater snail. Parasitology International 62(4): 390-396.
- Wetzel, E.J. 2009. Editorial -- Opportunities for research in helminthology in Peru: My own experience. Neotropical Helminthology 3:5-6.
- 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. Intrapopulation 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*, *Haematoleechus complexus* and *Haematoleechus 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.

PRESENTATIONS (* indicates undergraduate student)

Links to selected video and webpage articles about Global Health Initiative (GHI) work

- Podcast interview on the global health blog, "The Global Health Pursuit!" - "Student Lightbulb Moments: Parasites, NTD's, and Poverty" <https://www.globalhealthpursuit.com/episode-show-notes/26>
- Wabash College Global Health Initiative webpage <https://www.wabash.edu/wabashx/health/>
- Wabash GHI-Peru webpage highlighting programs in Peruvian communities www.ghiperu.org
- Interview, Wabash on My Mind Podcast, 2019 - <https://wabashcollege.libsyn.com/244-dr-eric-wetzel>=
- YouTube video Overview of Wabash College GHI <https://www.youtube.com/watch?v=A0vq5sOMoMI>
- Link to some Student Blog Entries from 2014 Global Health course Immersion trip to Peru <http://www.wabash.edu/academics/docs/5b-Blogs.pdf>
- Wabash Formalizes Global Health Partnership http://www.wabash.edu/news/displaystory.cfm?news_ID=10010

Invited or GHI Programmatic Talks & Mini-courses

- Wetzel, EJ. 2022. (in)Equity & (in)Justice in Global Public Health: Classroom Changes & Global Partners. Wabash College Ides of August, 8/19/22
- Invited speaker**, I Encuentro Nacional E Internacional Sobre "Inclusion de Personas con Discapacidad" [1st National and International Meeting about Inclusion of Persons with Disabilities; hosted by UNHEVAL and GHI-Peru Corazones Excepcionales (COEX), 3/19/21
- Wetzel, EJ. 2020. *Worms & Warming: Transmission of Parasitic Helminths*, an **Invited Lecture** as part of BIOL 352: ENVIRONMENTAL CHANGE AND INFECTIOUS DISEASE, an online course through the Au Sable Institute of Environmental Studies, Mancelona, MI. July 29, 2020
- Wetzel, EJ. 2020. "Voluntariado Internacional y Responsabilidad Social" – I Encuentro Internacional de Voluntariado de Responsabilidad Social Universitaria, Office of Social Responsibility, UNHEVAL, 8/8/20
- Wetzel, EJ. 2019. "Community connections: Vulnerable populations, the Ministry of Health, and the Wabash College GHI in Peru." Universidad Nacional Mayor de San Marcos, Lima, Peru, 06 June.
- Co-leader of Roundtable Discussion. (with C. Gunther, K. Johnson, C. North.) 2018. *Overcoming obstacles: Developing interdisciplinary undergraduate global health programs across institutional settings* (Part II). AAC&U 2018 Annual Meeting, Jan 24-27, Washington, DC.
- Wetzel, EJ. 2018. *A view of our citizenship through the lens of Global Health*. A presentation given at Citizen Wally: A Symposium on Citizenship and the Liberal Arts Faculty-Alumni symposium, June 2018.
- Wetzel, EJ. 2018. Invited presentation. "There's One World: Insights into Experiential Learning in Local and Global Health" -- or, "How Accompaniment – Being *With* -- Might Bridge the Gap of Physical and Spiritual Wellness". Presentation (with J. Rogers) to the Wabash Pastoral Leadership Program, May 15, 2018.
- Wetzel, EJ. Invited Webinar Panelist, *Undergraduate Global Health Major and Minors: Integrating Experiential & Community-Based Learning*, a Webinar for Faculty & University Leadership. Presented by CFHI in collaboration with NAFSA, Allegheny College, University of Washington, Wabash College, University of Minnesota, and UC Davis. 8/17/17

- Wetzel, EJ. Invited speaker at Stakeholder Roundtable, given to Purdue University's Public Health Graduate Program's student orientation to present Wabash GHI collaboration opportunities, 8/17/17
- Wetzel, EJ. Invited speaker, "*Iniciativa de Salud Global del Wabash College en Perú: Oportunidades y Perspectivas*". Given at UNSCH (Ayacucho), UNHEVAL (Huanuco), and URP (Lima) as part of GLCA Crossroads grant-funded grant trip to Peru, Aug. 5-12, 2017.
- Invited speaker, Child Family Health International Webinar, "Undergraduate Global Health Majors and Minors: Integrating Experiential and Community-Based Learning." 8/17/17
- Wetzel, EJ. Invited Panelist, "The Liberal Arts and Global Learning Outcomes: Student Research and Study Abroad Goals." DePauw University, 2/25/17
- Wetzel, EJ. The Wabash Global Health Initiative: Connecting Student Experience from the Local to the Global. DePauw University, 2/1/17
- Wetzel, EJ. *Global Health Initiative-Peru Collaboration: Research Opportunities in the Peruvian Amazon*, given at Universidad Nacional de la Selva, Tingo Maria, Peru, August 2016
- Wetzel, EJ. *Wabash Global Health Initiative: Objectives and Expectations in Huanuco*, given at Universidad Nacional Hermilio Valdizan, Huanuco, Peru
- Wetzel, EJ. *Wabash Global Health Initiative: Partnerships and Possibilities*, given at the Instituto Nacional de Salud (equivalent to our NIH), Lima, Peru
- Wetzel, EJ. *Global One Health: Zoonotic Diseases in the Neotropics*, given at Universidad Ricardo Palma, Lima, Peru
- Wetzel, EJ. Parasites, Public Health, & the Liberal Arts. Invited talk, Franklin & Marshall College, 3/25/16.
- Wetzel, EJ. Global Health Initiative-Peru Collaboration: Research Opportunities in the Peruvian Amazon, given at Universidad Nacional de la Selva, Tingo Maria, Peru, August 2016.
- Wetzel, EJ. Wabash Global Health Initiative: Objectives and Expectations in Huanuco, given at Universidad Nacional Hermilio Valdizan, Huanuco, Peru, August 2016.
- Wetzel, EJ. Wabash Global Health Initiative: Partnerships and Possibilities, given at the Instituto Nacional de Salud (equivalent to our NIH), Lima, Peru, August 2016.
- Wetzel, EJ. Global One Health: Zoonotic Diseases in the Neotropics, given at Universidad Ricardo Palma, Lima, Peru, August 2016.
- Wetzel, EJ. & J. Rogers. The Global Health Initiative at Wabash College: Making & Sustaining Connections. Undergraduate Global Health Summer Institute, Allegheny College, June 4-6, 2015.
- Wetzel, E. 2014. The Global Health Initiative at Wabash College: Introduction and Invitation. Annual Midwestern Conf. of Parasitologists, Univ. of KY Gluck Equine Research Center, June 5-7, 2014.
- Wetzel, EJ. *GHI in Peru: Future Directions* – **Lecture** given at Univ. Nacional Hermilio Valdizan, Huanuco, August 2014.
- Wetzel, EJ. 2014. The Wabash Global Health Initiative. Invited Lunchtime talk at June '14 meeting of local Kiwanis Club, Crawfordsville, IN.
- Wetzel, E.J. 2013. Neglected Tropical Diseases. Invited Lecture (Intro. to Global & Public Health course), DePauw University, November 12, 2013.
- Wetzel, E.J. 2013. Infections and Interactions: The Global Health Initiative at Wabash. 34th Ides of August, Wabash College. August 23, 2013
- Wetzel, E.J. 2013 (August). The Global Health Initiative in Peru: Opportunities for research in Neotropical Parasitology. Given to Veterinary and Nursing Faculty of Univ. Nacional Hermilio Valdizan, Huanuco, Peru; also Biology faculty/students of Universidad Nacional Agraria de la Selva, Tingo Maria, Peru.
- Wetzel, E.J. 2013 (Aug.). Trematode parasites: Diversity of life cycles, ecology and impact in public health. Workshops given at UNHEVAL and UNAS, Peru.
- Wetzel, E.J. 2013. Disturbance and the Wabash Ecosystem. Chapel Talk, Wabash College, Jan. 24, 2013. (http://www.youtube.com/watch?v=pzNS8mJDeNc&playnext=1&list=PL4983AAA18E1CE402&feature=results_video)
- Wetzel, E.J. 2013. Invited Panelist, *Faith and Science: Sleeping with the Enemy?*, "The Symposium", Purdue University, 2/2/13
- Wetzel, E.J. 2011. Poverty, Parasites & People: The Global Health Initiative at Wabash. Dept. of Biology Seminar, 9/22/11.
- Wetzel, E.J. 2010. Parasites and People: An Idea for Global Health in Peru. Ides of August, Wabash College
- Wetzel, E.J. 2010. Invited talk - *Ecologia Parasitaria* [Ecology of Parasites], presented at Universidad Científica del Peru, Iquitos, Peru. February 4, 2010.

- Wetzel, E.J. 2010. Two presentations: Trematode infection ecology & wetland biodiversity, *and* Global Health: Making Connections in Peru International Symposium on Parasite Diversity: Impact in Conservation and Public Health, organized by the Peruvian Association of Helminths and Associated Invertebrates. February 18, 2010, Lima, Peru.
- Wetzel, E.J. 2010. **Taught two-day mini-course** on “Ecological Parasitology: Transmission Ecology of the Trematoda.” at Universidad Ricardo Palma, February 23-24, 2010, Lima, Peru.
- Wetzel, E.J. 2010. **Taught one-day mini-course** on “Ecological Parasitology: Transmission Ecology of the Trematoda” at Universidad Nacional de San Martín, March 11, 2010, Tarapoto, Peru.
- 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 *Haliplus occidialis* (Trematoda: Hemiuroidae) metapopulation of the green frog, *Rana clamitans*. 1st 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. 1st Peruvian Congress of Helminthology and Associated Invertebrates – International Meeting of Asociación Peruana de Helminología e Invertebrados Afines (APHIA). Lima, Peru.
- Wetzel, E.J. 1997. The effects of time and space on trematode population dynamics. Invited seminar, Biology Department, University of Evansville, IN. November 1997.

Conference and On-Campus Research Presentations

- Lakomek, E. & E. Wetzel. 2021. Implementation of an undergraduate community-based health initiative in response to COVID-19. Indiana Public Health Association Conference & Annual Meeting, April 9-10, 2021.
- Cardenas, J. C. Mendoza, and E. Wetzel. 2014. Intestinal parasites in indigenous communities near Tarapoto, San Martín, Peru. Ann. Midwestern Conf. of Parasitologists, Univ. of KY Gluck Equine Research Center, June 5-7, 2014
- Luth, K.* & E.J. Wetzel. 2008. Population dynamics of *Crepidostomum cornutum* in its crayfish second intermediate host. 1st 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 60th 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 *Macrastreptocaulum obtusicaudum* (Pronocephalidae) in a small Indiana stream. 55th 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 *Gyrulus parvus* (Gastropoda: Pulmonata). 76th 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. 76th 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). 50th Ann. Midwestern Conf. 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). 50th Annual Midwestern Conference of Parasitologists, Terre Haute, IN. May, 1998.
- 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.

Conference presentations I've co-authored or sponsored, but that were made by collaborators

I was co-author on 7 abstracts resulting from GHI-Peru Research group presentations at the 10th Peruvian Congress of Parasitology, Lambayeque, Peru, Nov. 25-27, 2016. These titles/abstracts are available upon

- request.
- I was co-author on 41 papers/posters from the GHI-Peru Research Group, presented at the V Congreso Internacional de Parasitología Neotropical (COPANEO), Lima, Peru. June 2016. Titles/abstracts available upon request.
- Iannacone, J.; Chero, J., Cruces, C.; Wetzel, E., Cárdenas-Callirgos, J.; Alvarino, L.; Sáez, G. 2014. Impact of the zoonotic trematode *Philophthalmus lucipetus* on the invasive freshwater snail *Melanooides tuberculata* in three ponds of a wetland of Peru having different degrees of human disturbance. 13th International Cong. of Parasitology (ICOPA), Mexico City, Mexico, August, 2014
- Cárdenas-Callirgos, J. & Wetzel, E. Biogeographical and Cultural Patterns of Helminth Infections with Impact in Public Health of Peru. 13th ICOPA, Mexico City, Mexico, August, 2014
- Antonucci, A., J. Cárdenas-Callirgos, H. Arbildo-Ortiz, F. Chu-Koo, T. Ribeiro, G. Soza, R. Takemoto, & E. Wetzel. 2013. First report of *Terranova* sp. (Nematoda: Anisakidae) and *Peltidocotyle rugosa* (Cestoda: Protocephalidae) in *Zungaro zungaro* (Humboldt, 1821) from Iquitos, Perú. Poster presented by J. Cárdenas-Callirgos at XXI Congress of the Latin American Federation of Parasitologists (FLAP), Guayaquil, Ecuador, October 6-9, 2013.
- Cárdenas – Callirgos, J.M., C. Pineda-Castillo, E. Wetzel, V. Rojas-Bravo, and N. Huayta-Arapa. 2013. Intestinal Parasites in the Community of Las Moras, Huánuco, Perú. Poster presented by J. Cárdenas-Callirgos at XXI Congress of FLAP, Guayaquil, Ecuador, October 6-9, 2013.
- Cárdenas – Callirgos, J.M. & E. Wetzel. 2013. Ecología de las Zoonosis Parasitarias en el Perú: Herramientas para la Investigación en Salud Global en el Neotrópico. Poster presented by J. Cárdenas-Callirgos at XXI Congress of FLAP, Guayaquil, Ecuador, October 6-9, 2013.
- Patiño-Calla, K., P. Puentes-Sánchez, M. Cárdenas- Carranza, O. Cáceres-Torres, I. Cornejo-Bermudez, J. Cárdenas-Callirgos, C. Luna-Muñoz, V. Durand-Tuanama & E. Wetzel. 2012. Clinic-epidemiological characteristics and factors associated with *Pedunculosis capitis* in a public school, Lima 2012. The Biologist (Lima), vol. 10:141, jul-dic, Suplemento Especial 2. Abstract for III Int. Congr. of Neotrop. Parasitology, Lima Peru.
- Estela-Ayamamani, D., R. Pereyra-Elías, J. Cárdenas –Callirgos, & E. Wetzel. 2012. Parasitosis intestinal en una comunidad urbano marginal de Lima. 2012. The Biologist (Lima), vol. 10:57, jul-dic, Suplemento Especial 2. Abstract for III Int. Congr. of Neotrop. Parasitology, Lima Peru.
- Mayta – Calderon, M., J. Chambi - Torres, R. Uscata - Barrenechea, J. Huaccho – Rojas, J. Cárdenas – Callirgos, & E. Wetzel. 2012. Parasitosis gastrointestinal en la comunidad rural de Llupa, Ancash-Peru, 2012. The Biologist (Lima), vol. 10:57, jul-dic, Suplemento Especial 2. Abstract for III Int. Congr. of Neotrop. Parasitology, Lima Peru.
- Quiñones-Laveriano, D. K. Patiño-Calla, S. Fustamante-Burga, P. Infante-Bustamante, C. Ruiz-del-Castillo, A. Palacios-Huan, F. Vilca-Salguero, J. Quispe-Parcco, P. Luzón-Lopez, J. Salazar-Aguirre, S. Carrasco-Tejerina, C. Reinoso-Trabucco, E. Miraval-Cabrera, R. Valdivia-Cabrera, J. Sandoval-Pérez, A.
- Cvetković-Vega, G. Oliva-Segura, B. Romero-Aponte, J. Cárdenas-Callirgos, E. Wetzel. 2012. Intestinal parasite prevalence and hemoglobin levels of a marginal urban population as part of a health campaign in Pamplona Alta, San Juan de Miraflores 2012. The Biologist (Lima), vol. 10:56, jul-dic, Suplemento Especial 2. Abstract for III Int. Congr. of Neotrop. Parasitology, Lima Peru.
- Cárdenas-Callirgos, J., C. Mendoza, & E. Wetzel. 2012. Intestinal parasites in indigenous communities of Santa Cruz and Chirick Sacha near Tarapoto (El Dorado region), San Martin. The Biologist (Lima), 2012, 10:45, jul-dic, Suplemento Especial 2. Abstract for III Int. Congr. of Neotrop. Parasitology, Lima Peru.
- Cárdenas-Callirgos, J., G. Gonzalez-Aspajo, F. Rojas-Camacho, M. Tineo-Valencia, A. Torres-Márquez, P. Vilcapoma-Serpa, T. Zarate-Vaella, N. Puray-Chávez, E. Wetzel, E. Deharo. 2012. Correlation between toxocariasis in children and dogs at El Trebol, Pamplona Alta, San Juan de Miraflores a human settlement of Lima (Peru). Meeting of the French Society of Parasitology, Toulouse, France, February, 2012.
- Cárdenas-Callirgos, J.; Rojas-Camacho, F.; Tineo-Valencia, M.; Torres-Márquez, A.; Vilcapoma-Serpa, P.; Zarate-Vaella, T.; Puray-Chávez, N.; Wetzel, E. 2010. Presencia de agentes etiológicos de toxocariosis y evaluación de factores de riesgo epidemiológico en el AA.HH El Trébol - Pamplona Alta, Lima-Perú. Poster given at 2nd Peruvian Congress of Neotropical Parasitology, Lima, Peru.
- Cárdenas-Callirgos, J.; Machuca - Bandach, A.; Jara - Richard, M.; Hidalgo - Portilla, S.; Meza - Zavala, A.; Hinostroza - Gormas, S.; Deharo, E.; Wetzel, E. 2010. *Pediculosis infantil* en el AA.HH El Trébol – Pamplona Alta, Lima - Perú y su relación con índices de malnutrición y factores de riesgo epidemiológico.

Poster given at 2nd Peruvian Congress of Neotropical Parasitology, Lima, Peru.
Cárdenas-Callirgos, J. & E. Wetzel. 2010. Impact of a philopthalmid trematode on the reproduction of its snail host, *Melanoides tuberculata*, in the Pantanos de Villa Wetland near Lima, Peru. Poster given at 2nd Peruvian Congress of Neotropical Parasitology, Lima, Peru.

GENERAL RESEARCH INTERESTS

Neglected Tropical Diseases & the Multidisciplinary Issues of Poverty and Parasitism
Transmission dynamics of flatworm (Platyhelminth) parasites, with concentration on digenetic trematodes
Impact of parasites on host ecology, survival and behavior

PROFESSIONAL SOCIETIES

American Public Health Association
American Society of Parasitologists
Annual Midwestern Conference of Parasitologists (a Midwestern society of parasitologists)
American Society of Tropical Medicine & Hygiene
Indiana Public Health Association
Peruvian Association of Helminths & Affiliated Invertebrates (APHIA)

REFERENCES

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