

Paul D. Ebner

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Curriculum Vitae (abridged)

EDUCATION

B.A., Political Science, Kalamazoo College, 1993
M.S., Animal Science, University of Tennessee, 2000
Ph.D., Animal Science, University of Tennessee, 2003
NRSA (NIH) Postdoctoral Fellow, Microbiology and Immunology, Louisiana State University Health Sciences Center

WORK EXPERIENCE

Purdue University, Department of Animal Sciences, *Associate Professor*, August 2012 to present
Purdue University, Department of Animal Sciences, *Assistant Professor*, July 2006 to August 2012
LSU Health Sciences Center, Department of Microbiology and Immunology, *Postdoctoral Fellow*, January 2003 to June 2006
University of Tennessee, Department of Animal Science, *Graduate Research/Teaching Assistant*, January 1997 to December 2002
United States Peace Corps, Paraguay, *Volunteer*, February 1994 to May 1996

SCHOLARSHIP

Selected peer-reviewed publications (RES=research; ENG=engagement; *=corresponding author)

Ebner PD*, Ghoryar AM, McNamara K, Amini R, Azizi E, Faqiri AE, Isaqzai NA, Rahimi Z, Sakhee N, Sarwary S, Sofizada M. 2016. Quality and safety assessment of milk in Herat Province, Afghanistan. Submitted. **(RES/ENG)**

Ebner P*, McNamara K, Deering A, Oliver H, Rahimi M, and Faisal H. 2016. Herat University: Industry Input in Developing Workforce Focused Food Technology Curricula in Afghanistan. Submitted. **(RES/ENG)**

Hong, Y., Thimmapuram, J., Zhang, J., Collings, C., Bhede, K., **Ebner, P***. The impact of orally administered phages on host immune response and surrounding microbial communities. Bacteriophage. In press. **(RES)**

Hong Y, Schmidt K, Marks D, Hatter S, Marshall A, Albino L, **Ebner PD***. 2016. Treatment of *Salmonella* Contaminated Eggs and Pork with a Broad-Spectrum, Single Bacteriophage: Assessment of Efficacy and Resistance Development. Bacteriophage. In press. **(RES)**

Ebner PD*, Ghoryar AM, Shahkes AS, and Ghanizadah AZ. 2016. Milk quality and safety manual. Purdue University Extension Publication ID-AS631. **(ENG)**

Ebner P*, Ogle T, Hall T, DeBoer L, and Henderson J. 2016. County regulations of confined feeding operations in Indiana: An overview. Research for the Indiana State Legislature. Purdue University Extension Publication. ID-466-W. **(RES/ENG)**

Ebner P, Ogle T*, Hall T, DeBoer L, and Henderson J. 2016. County regulations of confined feeding operations in Indiana: County factsheets. Research for the Indiana State Legislature. Purdue University Extension Publication. ID-467-W. **(RES/ENG)**

Zhang J, Hong Y, Fealey M, Singh A, Walton K, Martin C, Harman NJ, Mahlie J, and **Ebner PD***. 2015. Physiological and Molecular characterization of *Salmonella* bacteriophages previously used in phage therapy. Journal of Food Protection. 78:2143-2149. **(RES)**

Marshall A and **Ebner PD***. 2015. PULSENET: Using technology to track foodborne illnesses. Purdue

- University Extension Publication. ID-AS-630. **(ENG)**
- Hong Y, Pan Y, and **Ebner PD***. 2014. Development of bacteriophage treatments to reduce *E. coli* O157:H7 contamination of beef products and produce. *Journal of Animal Science*. 92:1366-1377. **(RES)**
- Hong Y, Pan Y, Harman N, and **Ebner PD***. 2014. Complete genome sequences of *Escherichia coli* O157:H7 phages effective in limiting contamination of food products. *GenomeA*. September/October 2014. **(RES)**
- Zhang J, Hong Y, Harman NJ, Das A, and **Ebner PD***. 2014. Genome sequence of a *Salmonella* phage used to control *Salmonella* transmission in swine. *GenomeA*. September/October 2014. **(RES)**
- Howe K, Howe L, **Ebner PD***. 2013. Foodborne Illness Trends in the United States. **(ENG)**
- Hayes S, **Ebner PD***. 2013. Proper Preparation is Essential for Food Safety. **(ENG)**
- Clark S, Daly R, Jordan E, Mathew A, and **Ebner PD***. 2012. Enhancing Educational Approaches for Future Changes in Biosecurity and Antibiotic Use in Animal Agriculture. 90:2861-2872. **(RES/ENG)**
- Saez AC, Zhang J, Rostagno MH, and **Ebner PD***. 2011. Direct feeding of microencapsulated bacteriophages to reduce *Salmonella* colonization in pigs. *Foodborne Pathogens and Disease*. 12:1269-1274. **(RES)**
- Zhang J, Massow A, Stanley M, Papariella M, Chen X, Kraft B, and **Ebner PD***. 2011. Contamination rates and antimicrobial resistance in *Enterococcus*, spp., *E. coli* and *Salmonella* isolated from “no antibiotics added” chicken products. *Foodborne Pathogens and Disease*. 8:1147-1152. **(RES)**
- Massow, A, **Ebner PD***. 2010. CAFOs and public health: antimicrobial resistance in Denmark following reductions in the use of antimicrobials in livestock and poultry production. ID-420. **(ENG)**
- Zhang J, Wall SK, Xu L, **Ebner PD***. 2010. Contamination rates and antibiotic resistance patterns in conventionally raised vs. grass-fed beef samples. *Foodborne Pathogens and Disease*. 7:1331-1336. **(RES)**
- Zhang J, Kraft BK, Pan Y, Wall SK, Saez A, **Ebner PD***. 2010. Development of an anti- *Salmonella* phage cocktail with increased host range. *Foodborne Pathogens and Disease*. 7:1415-1420. **(RES)**
- Wall SK, Zhang J, Rostagno MH, **Ebner PD***. 2010. Phage therapy reduces transport and lairage-associated *Salmonella* infections in market weight swine. *Applied and Environmental Microbiology*. 76:48-53. **(RES)**
- Ebner PD***. 2009. CAFOs and Public Health: MRSA and Livestock Production. Purdue University Extension Publication. ID-413. **(ENG)**
- Ebner PD***. 2008. CAFOs and public health: odor and its possible effects on health. Purdue University Extension Publication. ID-641. **(ENG)**
- Ebner PD***. 2007. CAFOs and public health: the fate of unabsorbed antibiotics. Purdue University Extension Publication. ID-348. **(ENG)**
- Ebner PD***. 2007. CAFOs and public health: the issue of antibiotic resistance. Purdue University Cooperative Publication. ID-349. **(ENG)**
- Ebner PD***. 2007. CAFOs and public health: the fate of manure pathogens. Purdue University Cooperative Extension Publication. ID-356. **(ENG)**
- Wall SK, **Ebner PD***. 2007. CAFOs and public health: emissions and respiratory illnesses in neighbors. Purdue University Cooperative Extension Publication. ID-358. **(ENG)**

Selected Abstracts (Engagement)

- Ebner PD*** and M Russell. 2015. Teaching International Extension through Undergraduate Service Learning. NACTA/DOCE Annual Meeting. Athens, GA. **(ENG)**
- Tucker M, **Ebner PD**, Nennich T, and Russell M*. 2015. Does Learning Really "Run Through It"? Reflective Narrative Journaling Assesses Learning Outcomes. NACTA/DOCE Annual Meeting. Athens, GA. **(ENG)**
- Ebner PD***, Oliver H, and Russell M. 2012. In-country partnering needed for successful international service learning. American Society for Animal Sciences Annual Meeting (Invited Symposium Talk). Phoenix, AZ. **(ENG)**

- Ebner PD***. 2011. Extension and Outreach Programs that Address Contemporary Issues in Food Animal Production. ASAS Annual Meeting. New Orleans, LA. Abstract #619. **(RES/ENG)**
- Ebner PD***, Russell, M and Clark S. 2011. International Service-Learning Engagement Relies on Partnering Structures. NACTA/DOCE Annual Meeting. Alberta, Canada. **(RES/ENG)**
- Ebner PD** and Russell M. 2011. Assessing Learning Outcomes in Non-traditional Settings: Introducing Students to International Extension through Service Learning. NACTA/DOCE Annual Meeting. Alberta, Canada. **(RES/ENG)**
- Koch D*, **Ebner PD**, Snyder LU, and Sydnor-Busso S. 2011. Transdisciplinary knowledge of service learning study abroad programs. National Outreach Scholarship Conference.
- Snyder L*, Patterson J, Koch D, Perera S, Posada G, **Ebner P** and Russell M. 2011. Using VIEWTM to enhance and assess students' creativity in solving group problems in international engaged research and service courses. NACTA/DOCE Annual Meeting. Alberta, Canada. **(ENG)**
- Ebner PD** and Russell MA*. 2010. Animals and food security: blending land grant missions through international engagement in Romania. ASAS-ADA Joint Annual Meeting. Denver, CO. Vol. 88, E-Suppl. 2; p. 753. **(ENG)**

CURRENT COURSES (Instructor on Record)

ANSC 495: Service Learning in Romania (Spring). The course is a partnership between Purdue University, Heifer International Romania, the Banat University of Agricultural Science and Veterinary Medicine (Timisoara, Romania) and the Huneadoara Extension Service and is designed to introduce students to international Extension and engagement. This four credit course begins in the classroom (Spring) where students learn the principles of Extension as well as sustainable development and appropriate application of technologies. Students then travel to Romania for four weeks to work with Romanian agriculture students in binational teams to design and implement solutions to challenges faced by small-scale livestock producers. The course allows students to enhance their education and training through practical application and engagement and, at the same time, improve the economic stability and sustainability of the various livestock programs.

SFS 314: Comparative Livestock Production Systems (Spring). This course compares and contrast the various livestock and poultry systems in the United States. The course begins with in-depth analysis of the history and structure of prevalent or conventional livestock and poultry production systems followed by a similar analysis of the various alternative production systems currently in use in the US, including organic, grass-fed, pasture-raised among others. A heavy focus is placed on critically evaluating the pros and cons of each system, regulations of both conventional and process-verified systems and potential differences in products resulting from different management and processing systems.

SERVICE, AWARDS AND HONORS

- Faculty Advisor, Purdue Heifer International Chapter, 2007-present.
- Faculty Advisor, Animal Sciences Ambassadors, 2012-present.
- Member, Purdue University Faculty Senate, 2013-present.
- Community of Service Learning Faculty Fellow. Purdue University Office of Engagement. 2011.
- President, Purdue University Cooperative Extension Specialists Association. 2011.
- Purdue University College of Agriculture TEAM Award. Purdue CAFO Team. 2010.
- Service Learning Faculty Development Grantee. Purdue University Office of Instructional Excellence. 2009.
- Purdue University Cooperative Extension Specialists' Association Team Award. Purdue CAFO Team. 2009.
- National Institutes of Health Ruth L. Kirschstein National Research Service Award. Postdoctoral Fellowship. 2004 to 2006.
- Elected Member. Phi Kappa Phi Honor Society. University of Tennessee, 1999.
- Elected Member. Gamma Sigma Delta Agriculture Honor Society. University of Tennessee, 1997.