

ANGELIQUE J BARBARA

4550 North Musket Road
Marana, Arizona 85653
(520) 616-8455

angel@angelsanimals.com
angelsanimals.com
(978) 729-9365

EDUCATION

Master of Science, Pathobiology. University of Arizona, Tucson, December 2006.
Thesis: Strain Dominance of *Clostridium Perfringens* Type A strains in Necrotic Enteritis in Broiler Chickens.

Bachelor of Science, Veterinary Science, Minor in Animal Science with an emphasis in Equine Science, University of Arizona, Tucson, May 2004.

RESEARCH EXPERIENCE

Masters Research U of A, Tucson, August 2004 - December 2006

Cultured strains of *Clostridium perfringens* Type A and inoculated chickens with these strains to produce necrotic enteritis. Performed necropsies on challenged birds, obtained tissues for histologic evaluation and typed all Type A strains collected from birds using Pulsed-field Gel Electrophoresis. Drs. Glenn Songer and Robert Glock, University of Arizona

Independent Study U of A, Tucson, January 2004 - May 2004

Aided graduate student, Michael Anderson, with growing and preparing non-toxigenic *Clostridium difficile* strains to be used in challenging piglets. This was part of a *C. difficile* competitive exclusion study. PhD student Michael Anderson and Dr. Glenn Songer, University of Arizona

WORK EXPERIENCE

Research Assistant Songer Bacteriology Lab, U of A, June 2004 – December 2006

Performed culturing, pulsed-field gel electrophoresis, PCR, 16S DNA sequencing, vaccination studies, and animal studies. I worked with *Clostridium perfringens* and *Clostridium difficile*. Dr. J. Glenn Songer, University of Arizona

Veterinary Technician Animal Health Hospital, January 2002 – March 2004

Performed physical examinations, dental procedures, phlebotomy, blood chemistry panels, injections, radiography, animal restraint and preparation for surgery. Drs. Kipp Metzger and Brett Hinsch, Animal Health Hospital, 2560 S. Harrison Road, Tucson, AZ 85748

PUBLICATIONS

Songer, J.G., R. Jones, M.A. Anderson, **A.J. Barbara**, and K.W. Post. Prevention of Porcine *Clostridium difficile*-Associated Disease by Competitive Exclusion with Nontoxigenic Organisms.

Barbara, A.J., R.D. Glock, and J.G. Songer. 2006. Clostridial Enteric Disease in Pigs: A Continuing Challenge for Producers. Handbook on Intestinal Health, Alltech.

ABSTRACTS AND PRESENTATIONS

Barbara, A.J. and J.G. Songer. Strain Dominance of *Clostridium perfringens* in Necrotic Enteritis in Broiler Chickens. Presented at the 2005 Conference of Research Workers in Animal Diseases, St. Louis, MI, December 4-6, 2005.

Songer, J.G., R. Jones, M.A. Anderson, **A.J. Barbara**, K.W. Post. Prevention of Porcine *Clostridium difficile*-Associated Disease by Competitive Exclusion with Nontoxigenic Organisms. Presented at the 8th Meeting of the Anaerobe Society of the Americas, Boise, ID, July 25-28, 2006.

PROFESSIONAL QUALIFICATIONS

Certificated in Livestock Artificial Insemination Completed "Artificial Insemination & Reproductive Management Training Course" provided by Genex Cooperative, Inc. January 2004

PROFESSIONAL AFFILIATIONS

- Alpha Zeta Honorary Fraternity
- American Paint Horse Association
- American Quarter Horse Association

REFERENCES

J. Glenn Songer, Ph.D. gsonger@u.arizona.edu
 Department of Veterinary Science and Microbiology, University of Arizona, Tucson, AZ
 85721 (520) 621-2962

Robert Glock, D.V.M, Ph.D. glock@email.arizona.edu
 Department of Veterinary Science and Microbiology, University of Arizona, Tucson, AZ
 85721 (520) 621-2356 ext. 13

Carlos Reggiardo, D.V.M, Ph.D. creggiar@ag.arizona.edu
 Department of Veterinary Science and Microbiology, University of Arizona, Tucson, AZ
 85721 (520) 621-2356 ext. 14

Kipp Metzger, D.V.M. animalhealthhospital@earthlink.net
 Animal Health Hospital, 2560 S. Harrison Road, Tucson, AZ 85748 (520) 885-2364