

VIRGINIA R. FAJT
CLINICAL ASSISTANT PROFESSOR
TEXAS A&M UNIVERSITY COLLEGE OF VETERINARY MEDICINE
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EDUCATION

PhD	Iowa State University	2000
DVM	Auburn University	1995
Attended	Colorado State University	1986-1988
BA	Kalamazoo College	1984

OTHER TRAINING

Diplomate, American College of Veterinary Clinical Pharmacology, 2004
Bayer Animal Health Communication Project Faculty Member, 2007

PROFESSIONAL EXPERIENCE

- Clinical Assistant Professor, Dept. of Veterinary Physiology and Pharmacology, College of Veterinary Medicine, Texas A&M University, 2005-present
- Collaborator, Veterinary Antimicrobial Decision Support System, Dept. of Veterinary Diagnostic and Production Animal Medicine, College of Veterinary Medicine, Iowa State University, 2000-2005
- Adjunct Lecturer, Dept. of Biology, Colorado State University-Pueblo, 2001-2005
- Adjunct Instructor, Beef Production Medicine, Dept. of Veterinary Diagnostic and Production Animal Medicine, College of Veterinary Medicine, Iowa State University, 1997-2000
- Clinical Instructor, Field Services Section, Agricultural Practices, Veterinary Medical Teaching Hospital, Kansas State University, 1996-1997
- Intern, Agricultural Practices, Veterinary Medical Teaching Hospital, Kansas State University, 1995-1996

FUNDED PROJECTS

- **V. R. Fajt**, S. Marsh, B. Norby, Efficacy of boldenone in improving recovery from racing in Thoroughbred horses, \$4000, Equine Research Fund, Texas Equine Research Fund, Texas AgriLife Research, 2008-2009.
- **V.R. Fajt**, F. Faries, M. Libal, J. Musser, and D. Posey, Enhancing Recruitment and Retention of Students Interested in Food Supply Veterinary Medicine: Food Animal Production Tour Elective, \$2500, Office of Professional Programs, College of Veterinary Medicine and Biomedical Sciences, 2008-2009.
- D.C. Kraemer, **V.R. Fajt**, and B. Norby, A Contraceptive to Aid in the Control of Predators, \$40,000, USDA Formula Animal Health, 2007-2009.
- C. Arnold, M.K. Chaffin, N. Cohen, and **V. Fajt**, Pharmacokinetics of Gallium Maltolate in Adult Horses, \$4,635, Large Animal Clinical Sciences Research Funds, College of Veterinary Medicine and Biomedical Sciences, 2007-2008.

- **V.R. Fajt** and M.M. Scott, Assessing the Use of Evidence-Based Veterinary Medicine Resources by 4th Year Veterinary Students, \$2500 Teaching Excellence Incentive Grant, 2006.
- **V.R. Fajt**, Development of a Veterinary Antimicrobial Use Database Based on Therapeutic Applications, U.S. Pharmacopeia, Rockville, Maryland, \$15,000 USP Information Fellowship, 1999-2000.
- M.D. Apley and **V.R. Fajt**, Antimicrobial Treatment of Induced Bovine Respiratory Disease in Beef Calves, Pzifer Animal Health, Lee's Summit, Missouri, \$144,234, Oct-Nov, 1998.

PEER-REVIEWED PUBLICATIONS

- **V.R. Fajt**, Skills and competencies required by veterinary pharmacologists: A blueprint for graduate education in veterinary pharmacology in North America, *Journal of Veterinary Pharmacology and Therapeutics*, 31(1):22-30, 2008.
- B. Knust, L. Nelson, L. Schott, L. Pedersen, and **V. Fajt**, Drug Residue Avoidance and Beef Quality Assurance Practices in Dairy Cattle—Veterinarian Survey Results, *Bovine Practitioner*, In press, 2008.
- Washburn, K., Bissett, W., **V. Fajt**, Clubb, F., Fosgate, G.T., Libal, M., Smyre, K., and Cass, K., The Safety of Tulathromycin Administration in Goats, *Journal of Veterinary Pharmacology and Therapeutics*, 30(3):267-70, 2007.
- **V.R. Fajt**, Apley, M.D., Brogden, K.A., Skogerboe, T.L., Karle, V.K., and Chin, Y.-L., The effect of danofloxacin and tilmicosin on body temperatures in beef calves with pneumonia experimentally induced by inoculation with *Mannheimia haemolytica*, *American Journal of Veterinary Research*, 65(5): 610-15, 2004.
- **V.R. Fajt**, Apley, M.D., Roth, J.A., Frank, D.E., Brogden, K.A., Skogerboe, T.L., Karle, V.K., Chin, Y.-L., The effects of danofloxacin and tilmicosin on neutrophil function and lung consolidation in beef heifer calves with induced *Pasteurella (Mannheimia) haemolytica* pneumonia, *Journal of Veterinary Pharmacology and Therapeutics*, 26(3): 173-179, 2003.
- **V.R. Fajt**, Apley, M.D., Roth, J.A., Frank, D.E., Skogerboe, T.L., Karle, V.K., Dayton, A.D., Effects of danofloxacin and tilmicosin on circulating neutrophils in beef heifers, *Journal of Veterinary Pharmacology and Therapeutics*, 23(3):181-187, 2000.

ABSTRACTS

- M.K. Chaffin, **V. Fajt**, N.D. Cohen, R.J. Martens, L.R. Bernstein, Pharmacokinetics of a methylcellulose oral formulation of gallium maltolate in neonatal foals (Abstract), 4th Havemeyer Workshop on *Rhodococcus equi*, Edinburgh, July, 2008.
- Martens, R.J., Cohen, N.D., Chaffin, M.K., Blanchard, T.L., **Fajt, V.R.**, Taylor, R.J., Bernstein, L.R., Safety of enteral gallium maltolate in neonatal foals (Abstract), 4th Havemeyer Workshop on *Rhodococcus equi*, Edinburgh, July, 2008.
- Washburn, K.E., Bissett, W., **Fajt, V.**, Libal, M., Fosgate, G., Miga, J., Rockey, K., Comparison Of Treatments For Caseous Lymphadenitis In Small Ruminants: Opening, Flushing And Draining Versus Intralesional Or Parenteral Tulathromycin (Abstract), American College of Veterinary Internal Medicine Forum, San Antonio, TX, June, 2008.
- **Fajt, V.R.** and S.A. Wagner, Analgesic Practices and Attitudes About Pain Control Among Bovine Practitioners in the U.S. (Poster), International Symposium on Beef Cattle Welfare, Manhattan, KS, May, 2008.
- Christian, K.L., Scott, H.M., Alali, W.Q., **Fajt, V.R.**, Harvey, R.B., and Lawhorn, D.B., Relationship between level of antibiotic use and antibiotic resistance among *Escherichia coli* isolated from swine in a multi-site integrated farm-to-plate system (Poster), Graduate Student Association Symposium, Texas A&M University, College Station TX, April, 2007.

- Brown, D., **Fajt, V.**, Scott, M., and Kochevar, D., Assessing the use of evidence-based medicine resources by 4th year veterinary students (Poster), American Association of Veterinary Medical Colleges Veterinary Teaching Hospitals and the Future of Clinical Veterinary Education Symposium, Kansas City, MO, 2006.
- **Fajt, V.R.**, Apley, M.D., Langston, V.C., and Wilcke, J., Developing a Therapeutically Based Antimicrobial Decision System for Food Animals: An Effort of the Veterinary Profession with Support from Food Animal Producers (Poster), Proceedings of the Conference on Agriculture's Role in Managing Antimicrobial Resistance, Toronto, Ontario, 1999.
- **Fajt, V.R.**, Apley, M.D., Brogden, K.A., and Skogerboe, T.L., Development of an induced *Pasteurella* pneumonia model for use in pharmaceutical trials (Abstract), Proceedings of the 32nd Annual Convention of the American Association of Bovine Practitioners, Nashville, TN, 1999.

BOOK CHAPTERS

- **Fajt, V.R.**, Pharmacology, *In Infectious Disease Management in Animal Shelters*, In Press.
- **Section Editor**, Section XI: Pharmacology and Therapeutics, *Current Veterinary Therapy Food Animal Practice*, 2008.
- Larson, R., and **Fajt, V.R.**, Evidence-based Veterinary Medicine – Therapeutic Considerations, *In Current Veterinary Therapy Food Animal Practice*, 2008.
- **Fajt, V.R.**, Regulation of Drugs Used in Feedlot Diets, *In Feedlot Nutrition*, L.C. Hollis and K.C. Olson, eds., *Veterinary Clinics of North America – Food Animal Practice*, 23:2, July 2007: 299-307.
- Kochevar, D.T., and **Fajt, V.R.**, Evidence-based Decision Making in Small Animal Therapeutics, *In Pharmacology and Therapeutics*, Boothe, D.M., ed., *Veterinary Clinics of North American – Small Animal Practice*, 36:5, September 2006: 943-959.
- **Fajt, V.R.**, Regulatory Considerations in the United States, *In Clinical Pharmacology Update*, Brumbaugh, G., ed., *Veterinary Clinics of North America – Food Animal Practice*, 19:3, November 2003: 695-705.
- **Fajt, V.R.**, Label and Extralabel Drug Use in Small Ruminants, *In Small Ruminant Medicine*, Van Metre, D.C., ed., *Veterinary Clinics of North America--Food Animal Practice*, 17:2, July 2001:403-420.
- **Fajt, V.R.**, and Pugh, D.G., Appendix I: Commonly Used Drugs in Sheep and Goats: Suggested Dosages, *In Small Ruminant Medicine*, Pugh, D.G., ed., W.B. Saunders, 2002.
- **Fajt, V.R.**, and Apley, M.D., Antimicrobial Issues in Bovine Lameness, *In Bovine Lameness*, Anderson, D.E., ed., *Veterinary Clinics of North America--Food Animal Practice*, 17:1, March 2001:159-173.
- Apley, M.D. and **Fajt, V.R.**, Feedlot Therapeutics, *In Feedlot Update*, Stokka, G., ed., *Veterinary Clinics of North America—Food Animal Practice*, 14:2, July 1998:291-314.

OTHER PUBLICATIONS

- Faries, F.C., Jr., and **V.R. Fajt**, Proper Use of Sulfonamides in Market Show Animals, *AgriLife Extension Publication L-5495*, 2008.
- **Fajt, V.R.**, Compounding: What's legal, what's not, *Bovine Veterinarian*, March-April 2003, 26-32.
- **Fajt, V.R.**, Preparing for a Revolution in Antimicrobial Susceptibility Testing, Proceedings of the 33rd Annual Meeting of the American Association of Bovine Practitioners, Rapid City, South Dakota, September 21-23, 2000.
- **Fajt, V.R.**, Optimizing Antimicrobial Regimens, Proceedings of the 33rd Annual Meeting of the American Association of Bovine Practitioners, Rapid City, South Dakota, September 21-23, 2000.

- **Fajt, V.R.**, and Lechtenberg, K., Using Anti-inflammatories in the Treatment of Bovine Respiratory Disease, Large Animal Practice, November/December 1998, 19(6), 34-39.
- **Fajt, V.R.**, Food-Animal Research Update, Veterinary Medicine. September 1997:830-833.

CONTINUING EDUCATION PRESENTATIONS (last 5 years)

- Drug Regulations for the Bovine Practitioner, AVMA Convention, New Orleans, Louisiana, 7/08
- Selecting and Using Antimicrobials in Cattle, AVMA Convention, New Orleans, Louisiana, 7/08
- Antimicrobials for Bovine Respiratory Disease, AVMA Convention, New Orleans, Louisiana, 7/08
- Evidence-Based Medicine: Use in Developing Antimicrobial Therapies, AVMA Annual Convention, New Orleans, Louisiana, 7/08
- Small Ruminant Antimicrobial Decision-Making: Interpreting Susceptibility Results, ACVIM Forum, San Antonio, Texas, 6/08
- Small Ruminant Antimicrobial Decision-Making: Regimen Design, ACVIM Forum, San Antonio, Texas, 6/08
- Perioperative antibiotics, 15th Veterinary Technician Conference, College Station, Texas, 1/08
- Evidence-based antimicrobial selection for small ruminants, Golden Crescent Veterinary Medical Association, Victoria, Texas, 11/07
- Drug regulations related to small ruminants, Golden Crescent Veterinary Medical Association, Victoria, Texas, 11/07
- Workshop to determine skills and competencies for graduate veterinary pharmacologists, American Academy of Veterinary Pharmacology and Therapeutics, Asilomar, California, 5/07
- Resistant bacterial infections: minimizing the risk, 14th Veterinary Technician Conference, College Station, Texas, 2/07
- Drug Interactions in the Critical Care Unit/Patient, 14th Veterinary Technician Conference, College Station, Texas, 2/07
- Evidence-based antimicrobial selection for small ruminants, Kerrville, Texas, 12/06
- Drug regulations related to small ruminants, Kerrville, Texas, 12/06
- Evidence-based antimicrobial and NSAID selection for small animals, Coastal Bend Veterinary Medical Association, Port Aransas, Texas, 9/06
- Decision-making for antimicrobial therapy in food animals, Coastal Bend Veterinary Medical Association, Port Aransas, Texas, 9/06
- Antimicrobials for enteric disease, Food Animal Conference, Texas A&M University, College Station, Texas, 6/06
- Veterinary Antimicrobial Decision Support System, Food Animal Conference, Texas A&M University, College Station, Texas, 6/06
- Choosing Antimicrobial Therapy for Small Ruminants, AVMA Convention, Minneapolis, Minnesota, 7/05
- Introducing the Veterinary Antimicrobial Decision Support System, AVMA Convention, Minneapolis, Minnesota, 7/05
- Drug Regulations Related to Small Ruminants, AVMA Convention, Minneapolis, Minnesota, 7/05
- Power Communication with Your Clients and Colleagues, Coordinator and Instructor, Pre-convention seminar, 37th Annual Meeting of the American Association of Bovine Practitioners, Ft. Worth, Texas, 9/04
- Drug regulations, Southeastern Colorado Veterinary Medical Association, Pueblo, Colorado, 1/04
- Power Communication with Your Clients and Colleagues, Coordinator and Instructor, Pre-convention seminar, 36th Annual Meeting of the American Association of Bovine Practitioners, Columbus, Ohio, 9/03

LECTURES/COURSES (last 5 years)

Texas A&M University College of Veterinary Medicine

Course Coordinator

- Food Animal Production Tour, VTPP 948 (1 hr. course)
 - Spring 2008 – course coordinator, 1 of 3 faculty instructors for one-week tour
- Veterinary Pharmacology, VTPP 925 (3 hr. course)
 - Spring 2006, 2007, 2008 - course coordinator
- Current Topics in Pharmacology, VTPP 667 (3 hr. course)
 - Fall 2006, 2008

Course Co-instructor

- Veterinary Pharmacology, VTPP 924 (5 hr. course)
 - Fall 2005 – co-teach lab portion of the course
 - Fall 2006, 2007 – co-teach lab portion of course, 20 hours of lecture
- Clinical Pharmacology/Evidence-Based Medicine Rounds, VMID 963 (2-week rotation)
 - 2 hours of rounds every other week, Class of 2007, 2008
- Clinical Pharmacology, VTPP 948 (1 hr. course), team taught with 1-2 other instructors
 - Spring 2006, 2007

Colorado State University-Pueblo

- Histology (2 hr. lecture, 2 hr. lab course), BIO 421/521, Spring 2005.
- Virology (2 hr. course), BIO 403/503, Fall 2004.
- Immunology (3 hr. course), BIO 402/502, Spring 2001, Spring 2004.
- Vertebrate Physiology (3 hr. lecture, 2 hr. lab course), BIO 341/341L, Fall 2003.

GRADUATE STUDENTS

Committee Member

P. Shawn Ashley, M.S., Veterinary Microbiology
Expected completion date 2009

Angie Dement, M.S., Epidemiology
Expected completion date 2009

Ahmed M.T. Ridha, M.S., Veterinary Physiology
Expected completion date 2009

Susan Rollo, Ph.D., Epidemiology
Expected completion date 2008

Andrea Davila, M.S., Biomedical Sciences
Expected completion date 2008

Kristi Christian, M.S., Epidemiology, Spring 2008

Thesis: The Relationship Between The Level Of Antibiotic Use And Resistance Among
Enteric Bacteria In A Multi-Site Integrated Human And Swine Population

Todd Stewart, M.S., Biomedical Sciences, Fall 2007
Non-thesis Master's

HONORS

- Auburn University President's Award, 1995.
- Phi Kappa Phi Honor Society, Auburn University, inducted 1993.

PROFESSIONAL SERVICE

College Level

Current

- Faculty Advisor, Small Ruminant Club, 2007-present
- Pharmacy and Therapeutics Committee, 2005-present
- Infection Control Committee, 2006-present
- Search Committee for Food Animal Surgeon, Dept. of Large Animal Clinical Sciences, 2008
- Ad Hoc Interviewer, College of Veterinary Medicine, 2005, 2007

Previous

- Instructional Technology Committee, 2006-2008
- Scholarship and Awards Committee, 2005-2008
- Search Committee for Analytical Epidemiologist, Dept. of Veterinary Integrative Biosciences, 2008
- Search Committee for Associate Director of the Executive Leadership Center, 2007
- Committee to evaluate service component of VIBS faculty member for promotion and tenure, 2007

National Level

Current

- Member, Veterinary Antimicrobial Susceptibility Testing Subcommittee, Clinical and Laboratory Standards Institute, 2008.
- Vice President and Chair of Credentials Committee, American College of Veterinary Clinical Pharmacology, 2007-2009.
- Councilor, American Association of Veterinary Pharmacology and Therapeutics, 2007-2009.
- Program Committee, 16th Biennial (2009), American Association of Veterinary Pharmacology and Therapeutics, 2008-2009.
- Program Committee, 2009 Annual Convention, American Association of Bovine Practitioners, 2008-2009.
- Alternate Delegate representing the American Association of Bovine Practitioners to AVMA Legislative Advisory Committee, 2004-2010.
- Committee on Pharmaceutical and Biological Issues, American Association of Bovine Practitioners, 2005-2008; Chair 2006-2008.
- Membership Committee, American Association of Veterinary Pharmacology and Therapeutics, 2006-2008.

Previous

- Observer, Veterinary Antimicrobial Susceptibility Testing Subcommittee, Clinical and Laboratory Standards Institute, 2006-2007.
- Credentials Committee, American College of Veterinary Clinical Pharmacology, 2004-2007.
- Information Management Committee, American Association of Bovine Practitioners, 1999-2005.
- AABP Representative to the Drug Advisory Committee, American Veterinary Medical Association, 2000-2001.

Manuscript Reviews

- American Journal of Veterinary Research, 2007, 2008.
- Bovine Practitioner, 2006.
- Journal of the American Veterinary Medical Association, 2008.
- Journal of Zoo and Wildlife Medicine, 2001, 2006.
- Research in Veterinary Science, 2006.

- Small Ruminant Research, 2000, 2006, 2008.
- Editorial Advisory Board, Small Ruminant Research, 2001-2005.
- Editorial Advisory Board, Veterinary Therapeutics, 2007-2008.
- Veterinary Therapeutics, 2005.

MEMBERSHIPS

- Academy of Veterinary Consultants
- American Academy of Veterinary Pharmacology and Therapeutics
- American Association of Bovine Practitioners
- American Association of Small Ruminant Practitioners
- American Veterinary Medical Association
- Texas Veterinary Medical Association