

Allen Page, DVM, PhD

Education

- Post-Doctoral Scholar- August 2013-December 2014, University of Kentucky, Lexington, KY
- Ph.D. (Veterinary Science, Immunology Emphasis), August 2013, University of Kentucky, Lexington, KY
- D.V.M., June 2008, University of California, Davis, Davis, CA
- B.S. June 2004, Animal Science (Equine Emphasis), University of California, Davis, Davis, CA

Work Experience

University of Kentucky, Dept. of Veterinary Science Scientist/Veterinarian	April 2017 – Present
USDA, APHIS, VS, National Import Export Service Veterinary Medical Officer	December 2014- April 2017
University of Kentucky, Dept. of Veterinary Science Post-Doctoral Scholar	August 2013 – December 2014
University of Kentucky, Dept. of Veterinary Science Ph.D. Student	August 2009 – July 2013
Hagyard Equine Medical Institute Rotating Intern	July 2008 – June 2009

Committees

- University of Kentucky - Institutional Animal Care and Use Committee
- University of Kentucky - Intellectual Properties Committee
- University of Kentucky - Department of Veterinary Science Graduate Faculty (Adjunct)
- Lincoln Memorial University College of Veterinary Medicine- Adjunct Faculty

Honors and Awards

2012	AAEP/EQUUS Foundation Research Fellow Award
2009-2013	Morris Animal Foundation/Zoetis Scholars Research Fellow
2008	Phi Zeta Honor Society of Veterinary Medicine, University of California, Davis

Principle Investigator Funded Research Projects

2020	Kentucky Horse Racing Commission - \$132,228 - Identification of Novel mRNA Targets in Catastrophically Injured Thoroughbred Racehorses Using RNA
2018	Kentucky Horse Racing Commission - \$164,488 - Inflammation in Catastrophically Injured Thoroughbreds

Manuscripts

1. Page, A. E., E. A. Adam, R. M. Arthur, V. Barker, F. Franklin, R. Friedman, T. Grande, M. Hardy, B. Howard, E. Partridge, M. Rutledge, M. C. Scollay-Ward, J. C. Stewart, A. Vale and D. W. Horohov (2021). "Expression of select mRNA in Thoroughbreds with catastrophic racing injuries." *Equine Vet J* **Accepted Author Manuscript**.
2. Daly, A. E., C. G. Deible, C. E. Lamb, S. M. Santacaterina, N. L. Marzolf, A. E. Page, D. W. Horohov, P. L. Wood, S. R. Werre, S. E. Chapman and U. Christmann (2021). Surfactant protein D concentrations in serum and bronchoalveolar lavage fluid from young healthy horses on pasture and in a barn environment. *American Journal of Veterinary Research* **82**(2): 152-157.
3. Page, A.E., Adam, E.A., Stewart, J.C., Gonzales, C., Barker, V. and Horohov, D.W. (2020) Alterations of peripheral gene expression in response to lipopolysaccharide-induced synovitis as a model for inflammation in horses. *Veterinary Immunology and Immunopathology* **225**.
4. Page, A.E., Stewart, J.C., Scollay, M.C., and Horohov, D.W. (2019) Comparison of pre-race inflammatory marker mRNA expression with race-related parameters in Thoroughbreds. *Comparative Exercise Physiology* **16**, 101-106.
5. Page, A.E., Stewart, J.C., Fielding, C.L. and Horohov, D.W. (2019) The effect of a 160-kilometer competitive endurance ride on inflammatory marker mRNA expression in horses. *Journal of Equine Veterinary Science* **79**, 45-49.
6. Page, A.E., Stewart, J.C., Holland, Jr., R.E., Horohov, D.W., *The impact of training regimen on the inflammatory response to exercise in 2-year old Thoroughbreds*. *Journal of Equine Veterinary Science*, 2017. **58**(Supplement C): p. 78-83.
7. Page, A.E., H.F. Stills, Jr., and D.W. Horohov, *The effect of passively acquired antibodies on Lawsonia intracellularis infection and immunity in the horse*. *Equine Vet J*, 2015. **47**(6): p. 655-61.
8. Page, A.E., Slovis, N.M. and Horohov, D.W. (2014) *Lawsonia intracellularis* and Equine Proliferative Enteropathy. In: *Veterinary Clinics of North America: Equine Practice New Perspectives in Infectious Diseases*, Ed: R.H. Mealey, Elsevier.
9. Page AE, Stills HF Jr, Horohov DW. (2014) *Sub-isotypic differences in the immunoglobulin G response to Lawsonia intracellularis in vaccinated, seropositive, and equine proliferative enteropathy-affected horses*. *Vet Immunol Immunopathol*. **162**(3-4):162-7.
10. Page, A.E., Henderson, L.M., Stills, H.F. and Horohov, D.W. (2014) *The Possible Role Mares Play in the Epidemiology of Equine Proliferative Enteropathy*. *J Vet Equine Sci*. **35**(2): p. 116-123.
11. Sanz MG, Oliveira AF, Page A, et al. *Administration of commercial Rhodococcus equi specific hyperimmune plasma results in variable amounts of IgG against pathogenic bacteria in foals*. *Vet Rec* 2014;175:485.
12. Sanz, M.G., Oliveira, A.F., Loynachan, A., Page, A., Svansson, V., Giguere, S. and Horohov, D.W. *Validation and evaluation of VapA-specific IgG and IgG subclass enzyme-linked immunosorbent assays (ELISAs) to identify foals with Rhodococcus equi pneumonia*. *Equine Vet J*, 2014.
13. Gurel, V., Lambert, K., Page, A.E., Loynachan, A.T., Huges, K., Timoney, J.F., Fettingler, M., Horohov, D.W., McMichael, J., 2013. Streptolysin-O/antibiotics adjunct therapy modulates site-specific expression of extracellular matrix and inflammatory genes in lungs of *Rhodococcus equi* infected foals. *Vet Res Commun*.
14. Page, A.E., Fallon, L.H., Bryant, U.K., Horohov, D.W., Luna, T.W., Marsh, P.S., Slovis, N.M., Sprayberry, K.A., Loynachan, A.T., 2012. Acute Deterioration and Death with Necrotizing Enteritis Associated with *Lawsonia intracellularis* in 4 Weanling Horses. *J Vet Intern Med* **26**, 1476-1480.
15. Ault, A., Zajac, A.M., Kong, W.P., Gorres, J.P., Royals, M., Wei, C.J., Bao, S., Yang, Z.Y., Reedy, S.E., Sturgill, T.L., Page, A.E., Donofrio-Newman, J., Adams, A.A., Balasuriya, U.B.R., Horohov, D.W., Chambers, T.M., Nabel, G.J., Rao, S.S., 2012. Immunogenicity and clinical protection against equine influenza by DNA vaccination of ponies. *Vaccine* **30**, 3965-3974.
16. Page, A.E., Stills, H.F., Chander, Y., Gebhart, C.J., Horohov, D.W., 2011. Adaptation and validation of a bacteria-specific enzyme-linked immunosorbent assay for determination of farm-specific

- Lawsonia intracellularis* seroprevalence in central Kentucky Thoroughbreds. Equine Veterinary Journal 43 Suppl 40, 25-31.
17. Page, A.E., Loynachan, A.T., Bryant, U., Stills, H.F., Jr., Adams, A.A., Gebhart, C.J., Pusterla, N., Horohov, D.W., 2011. Characterization of the interferon gamma response to *Lawsonia intracellularis* using an equine proliferative enteropathy challenge (EPE) model. Vet Immunol Immunopathol 143, 55-65.
 18. Page AE, Slovis NM, Gebhart CJ, Wolfsdorf K, Mapes SM, Pusterla N. 2011. Serial use of serologic assays and fecal PCR assays to aid in identification of subclinical *Lawsonia intracellularis* infection for targeted treatment of Thoroughbred foals and weanlings. J Amer Vet Med Assoc 238: 1482-9.
 19. Sun, L., Adams, A.A., Page, A.E., Betancourt, A., Horohov, D.W., 2011. The effect of environment on interferon-gamma production in neonatal foals. Vet Immunol Immunopathol 143, 170-175.
 20. Horohov, D.W., Loynachan, A.T., Page, A.E., Hughes, K., Timoney, J.F., Fettingner, M., Hatch, T., Spaulding, J.G., McMichael, J., 2011. The use of streptolysin O (SLO) as an adjunct therapy for *Rhodococcus equi* pneumonia in foals. Vet Microbiol 154, 156-162.
 21. Pusterla, N., Mapes, S., Johnson, C., Slovis, N., Page, A., Gebhart, C., 2010. Comparison of feces versus rectal swabs for the molecular detection of *Lawsonia intracellularis* in foals with equine proliferative enteropathy. J Vet Diagn Invest 22, 741-744.
 22. Madigan, J., Page, A., Pusterla, N., Dacre, K., 2007. How to Airlift a Horse. In: American Association of Equine Practitioners, San Antonio, TX. Vol. 53, 2007.

Book Chapters

1. Page, A.E. (2014) Screening Herds for Lawsonia. In: *Robinson's Current Therapy in Equine Medicine*, Eds: E. Robinson and K.A. Sprayberry, Elsevier.

Abstracts

1. Page, A.E., Stewart, J.C., Scollay, M.C., Horohov, D.W. The Effect of Pre-Race Inflammatory Biomarkers on Race Performance in Thoroughbreds. In the 2019 American Association of Equine Practitioners Proceedings.
2. Page, A.E., Gebhart, C.J., Horohov, D.W., Loynachan, A.T. Incidence of Yearly *Lawsonia intracellularis* Assay Variations from Horses in Kentucky. In the 2012 American Association of Equine Practitioners Proceedings.
3. Gebhart, C.J., Page, A.E., Kelly, M., Chander, Y., Mapes, S., White, A., Horohov, D.W., Pusterla, N. Comparative Study of Serology Assays for Equine Proliferative Enteropathy. In the 2012 American Association of Equine Practitioners Proceedings.
4. Page, A.E., Fallon, L.H., Bryant, U.K., Horohov, D.W., Luna, T.W., Marsh, P.S., Slovis, N.M., Sprayberry, K.A., Loynachan, A.T., 2012. *Lawsonia intracellularis*-associated Necrotizing Enteritis in Four Weanling Horses. Journal of Equine Veterinary Science 32, S37.
5. Page, A.E., Stills, H.F., Chander, Y., Gebhart, C.J., Horohov, D.W. Farm-Specific *Lawsonia intracellularis* Seroprevalence Detected by a Bacteria-Specific Enzyme-Linked Immunosorbent Assay. In the 2011 American Association of Equine Practitioners Proceedings.
6. Page, A.E., Loynachan, A.T., Bryant, U., Stills, H.F., Jr., Adams, A.A., Gebhart, C.J., Pusterla, N., Horohov, D.W. Development of an Equine Proliferative Enteropathy Challenge Model. In the 2010 American Association of Equine Practitioners Proceedings.

Local/State Presentations

1. International Movement of Horses. UK Breeder's Short Course, Lexington, KY, 2017
2. Update on Equine Proliferative Enteropathy. Buffalo Trace VMA, Morehead, KY, 2014
3. Determination of farm-specific *Lawsonia intracellularis* seroprevalence in central Kentucky Thoroughbreds and the identification of factors contributing to equine proliferative enteropathy. Ph.D. Defense Seminar, University of Kentucky, Lexington, KY, 2013.

4. Screening Herds for *Lawsonia intracellularis* and Equine Proliferative Enteropathy. University of Kentucky Veterinary Diagnostic Laboratory Series- In-Depth Seminar, Lexington, KY, 2012.
5. *Lawsonia intracellularis* and Equine Proliferative Enteropathy. Kentucky Veterinary Medical Association Annual Convention, Louisville, KY, 2012.
6. *Lawsonia intracellularis*: What we know, what we don't know, and where we go from here. University of Kentucky Gluck Equine Research Center Seminar, Lexington, KY, 2010.

National Presentations

1. The Effect of Pre-Race Inflammatory Biomarkers on Race Performance in Thoroughbreds. 2019 American Association of Equine Practitioners Convention, Denver, CO, 2019.
2. One-Stop Shopping for Pet Health Certificates: The New USDA APHIS Pet Travel Website. Co-Presenter- 2016 American Veterinary Medical Association Convention, San Antonio, TX, 2016.
3. The Responsibilities of Veterinarians with International Pet Export Health Certification Procedures. Co-Presenter- 2016 American Veterinary Medical Association Convention, San Antonio, TX, 2016.
4. Incidence of Yearly *Lawsonia intracellularis* Assay Variations from Horses in Kentucky. 2012 American Association of Equine Practitioners Convention, Anaheim, CA, 2012.
5. Farm-Specific *Lawsonia intracellularis* Seroprevalence Detected by a Bacteria-Specific Enzyme-Linked Immunosorbent Assay. 2011 American Association of Equine Practitioners Convention, San Antonio, TX, 2011.
6. Development of an Equine Proliferative Enteropathy Challenge Model. 2010 American Association of Equine Practitioners Convention, Baltimore, MD, 2010.

International Presentations

1. *Lawsonia intracellularis*-associated Necrotizing Enteritis in Four Weanling Horses. IX Equine Infectious Disease Conference, Lexington, KY, 2012.