

## CURRICULUM VITAE

### NAME

Coleman, Stephen John

### ADDRESS

Animal Sciences  
College of Agricultural Sciences

Animal Sciences

### PHONE

(970) 491-2681

### EDUCATION

2011 Ph D, University of Kentucky

2006 MS, University of Kentucky

2003 BS, University of Kentucky

### ACADEMIC POSITIONS

March 2015 - Present Assistant Professor, Colorado State University - Department of Animal Sciences.

October 2012 - February 2015 Postdoctoral Fellow, Colorado State University -Department of Microbiology, Immunology and Pathology.

January 2012 - September 2012 Postdoctoral Scholar, University of Kentucky - Department of Veterinary Science.

August 2004 - December 2011 Graduate Research Assistant, University of Kentucky - Department of Veterinary Science.

### PUBLISHED WORKS

#### **Non-Refereed Journal Articles**

Hestand, M. S., Zeng, Z., Coleman, S. J., Liu, J., MacLeod, J. N. (2015). Tissue Restricted Splice Junctions Originate Not Only from Tissue-Specific Gene Loci, but Gene Loci with a Broad Pattern of Expression. *PloS one*, 10(12), e0144302.

Hestand, M. S., Kalbfleisch, T. S., Coleman, S. J., Zeng, Z., Liu, J., Orlando, L., MacLeod, J. N. (2015). Annotation of the Protein Coding Regions of the Equine Genome. *PloS one*, 10(6), e0124375.

Rebolledo-Mendez, J., Hestand, M. S., Coleman, S. J., Zeng, Z., Orlando, L., MacLeod, J. N., Kalbfleisch, T. (2015). Comparison of the Equine Reference Sequence with Its Sanger Source Data and New Illumina Reads. *PloS one*, 10(6), e0126852.

Jalkanen, A. L., Coleman, S. J., Wilusz, J. (2014). Determinants and implications of mRNA poly(A) tail size--does this protein make my tail look big? *Seminars in cell & developmental biology*, 34, 24-32.

- Coleman, S. J., Zeng, Z., Hestand, M. S., Liu, J., Macleod, J. N. (2013). Analysis of unannotated equine transcripts identified by mRNA sequencing. *PloS one*, 8(7), e70125.
- Go, Y. Y., Bailey, E., Cook, D. G., Coleman, S. J., Macleod, J. N., Chen, K. C., Timoney, P. J., Balasuriya, U. B. (2011). Genome-wide association study among four horse breeds identifies a common haplotype associated with in vitro CD3+ T cell susceptibility/resistance to equine arteritis virus infection. *Journal of virology*, 85(24), 13174-84.
- Vanderman, K. S., Tremblay, M., Zhu, W., Shimojo, M., Mienaltowski, M. J., Coleman, S. J., MacLeod, J. N. (2011). Brother of CDO (BOC) expression in equine articular cartilage. *Osteoarthritis and cartilage / OARS, Osteoarthritis Research Society*, 19(4), 435-8.
- Coleman, S. J., Zeng, Z., Wang, K., Luo, S., Khrebtukova, I., Mienaltowski, M. J., Schroth, G. P., Liu, J., MacLeod, J. N. (2010). Structural annotation of equine protein-coding genes determined by mRNA sequencing. *Animal genetics*, 41 Suppl 2, 121-30.
- Wang, K., Singh, D., Zeng, Z., Coleman, S. J., Huang, Y., Savich, G. L., He, X., Mieczkowski, P., Grimm, S. A., Perou, C. M., MacLeod, J. N., Chiang, D. Y., Prins, J. F., Liu, J. (2010). MapSplice: accurate mapping of RNA-seq reads for splice junction discovery. *Nucleic acids research*, 38(18), e178.
- Wade, C. M., Giulotto, E., Sigurdsson, S., Zoli, M., Gnerre, S., Inslund, F., Lear, T. L., Adelson, D. L., Bailey, E., Bellone, R. R., Blöcker, H., Distl, O., Edgar, R. C., Garber, M., Leeb, T., Mauceli, E., MacLeod, J. N., Penedo, M. C., Raison, J. M., Sharpe, T., Vogel, J., Andersson, L., Antczak, D. F., Biagi, T., Binns, M. M., Chowdhary, B. P., Coleman, S. J., Della Valle, G., Fryc, S., Guérin, G., Hasegawa, T., Hill, E. W., Jurka, J., Kiialainen, A., Lindgren, G., Liu, J., Magnani, E., Mickelson, J. R., Murray, J., Nergadze, S. G., Onofrio, R., Pedroni, S., Piras, M. F., Raudsepp, T., Rocchi, M., Røed, K. H., Ryder, O. A., Searle, S., Skow, L., Swinburne, J. E., Syvänen, A. C., Tozaki, T., Valberg, S. J., Vaudin, M., White, J. R., Zody, M. C., Lander, E. S., Lindblad-Toh, K. (2009). Genome sequence, comparative analysis, and population genetics of the domestic horse. *Science (New York, N.Y.)*, 326(5954), 865-7.
- Astakhova, N. M., Perelygin, A. A., Zharkikh, A. A., Lear, T. L., Coleman, S. J., MacLeod, J. N., Brinton, M. A. (2009). Characterization of equine and other vertebrate TLR3, TLR7, and TLR8 genes. *Immunogenetics*, 61(7), 529-39.
- Coleman, S. J., Gong, G., Gaile, D. P., Chowdhary, B. P., Bailey, E., Liu, L., MacLeod, J. N. (2007). Evaluation of Compass as a comparative mapping tool for ESTs using horse radiation hybrid maps. *Animal genetics*, 38(3), 294-302.

## **Abstract**

- Klohonatz, K. M., Canovas, A., Medrano, J. F., Hess, A. M., Coleman, S. J., Thomas, M., Bouma, G. J., Bruemmer, J. E. (2016). *RNA Sequencing of equine endometrium during maternal recognition of pregnancy* (vol. 2016). Plant and Animal Genome Conference XXIV.

## **PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS**

- November 2015, "The Equine Breeding and Genetics Lab at Colorado State University", Animal Reproduction and Biotechnology Lab, Colorado State University, (Presenter) Coleman, S. J.
- May 2015, "All good things must come to an end: The role of mRNA decay in the regulation of gene expression", Department of Veterinary Science, University of Kentucky, (Presenter) Coleman, S. J.

## **OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD**

- (March 21, 2016 - April 10, 2016). Short Course, "Best Practices - Building a Learning Community in an Online

Course," The Institute for Learning and Teaching - Colorado State University, United States.

(February 22, 2016 - March 13, 2016). Short Course, "Best Practices - Design and Develop your Online Course," The Institute for Learning and Teaching - Colorado State University, United States.

(February 1, 2016 - February 21, 2016). Short Course, "Best Practices - Theoretical Foundations of Online Courses," The Institute for Learning and Teaching - Colorado State University, United States.

(June 8, 2015 - June 26, 2015). Short Course, "Best Practices - Online Course Design," The Institute for Learning and Teaching - Colorado State University, United States.

## **TEACHING:**

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Spring	ANEQ334 - Principles of Equine Genetics	3	93
2016	Spring	ANEQ792B - Seminar-Breeding/Genetics	1	6
2015	Fall	ANEQ487B - Internship: Equine	6	13
2015	Fall	CM502 - Techniques in Molecular & Cellular Biology	2	6
2015	Fall	NB502 - Techniques in Molecular & Cellular Biology	2	6
2015	Fall	NB502 - Techniques in Molecular & Cellular Biology - Lab	0	6
2015	Fall	CM502 - Techniques in Molecular & Cellular Biology-Lab	0	6
2015	Summer	ANEQ487B - Internship: Equine	6	43
2015	Spring	ANEQ334 - Principles of Equine Genetics	3	77
2014	Spring	ANEQ334 - Principles of Equine Genetics	3	89

## **EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS**

### **Workshop**

Equine Genetics Short Course. Adult, Fort Collins, Colorado. Total number of participants: 5. Percent Responsible: 100%. 4th Quarter 2015.

## **COMMITTEES**

Colorado State University - Faculty Council, (August 2015 - Present).

Spring Commencement, (May 16, 2015).

Animal Sciences Microbiome Cluster Hire Search Committee, (October 2015 - Present).

Equine Sciences Internship Program, (2014 - Present).

## **PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

National Association of Equine Affiliated Academics. (August 2015 - Present).

Equine Science Society. (March 2015 - Present).

SOURCE - Colorado State University. (October 27, 2015).

Wildcat Canter - University of Kentucky Ag Equine Programs Newsletter. (April 2015).

Reviewer, Journal Article, Journal of Heredity. (2016 - Present).

Reviewer, Journal Article, BMC Genomics. (2015 - Present).

Reviewer, Journal Article, BMC Musculoskeletal Disorders. (2015 - Present).

Reviewer, Journal Article, PLoS One. (2013 - Present).

Reviewer, Journal Article, Animal Genetics. (2011 - Present).

**OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH**

Contributor - Functional Annotation of Animal Genomes (FAANG) Project, International FAANG Consortium.  
(2015 - Present).

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