

ADOL

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12. Li, H., Wang, P., Lin, L., Shi, M., Gu, Z., Huang, T., Mo, M.L., Wei, T., Zhang, H. and Wei, P. 2019. The emergence of the infection of subgroup J avian leucosis virus escalated the tumour incidence in commercial Yellow chickens in Southern China in recent years. *Transbound. Emerg. Dis.* 66:312-6.
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AR

Publications for 2019

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8. Kang, S.W., K.D. Christensen, D. Aldridge and W.J. Kuenzel. 2019. Effects of light intensity and dual light intensity choice on plasma corticosterone, central serotonergic and dopaminergic activities in birds, *Gallus gallus*. *Gen. Comp. Endocrinol.* doi.org/10.1016/j.ygcen.2019.113289.
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11. Yamashita T, DD Rhoads, J Pummill. 2019. Genome Report: Genome Analyses of a New Mycoplasma Species From the scorpion *Centruroides vittatus*. G3: Genes|Genomes|Genetics 8:993-997 doi.org/10.1534/g3.118.200858.

CA

Publications

1. Walugembe M, Mushi JR, Amuzu-Aweh EN, Chiwanga GH, Msoffe PL, Wang Y, Saelao P, Kelly T, Gallardo RA, Zhou H, Lamont SJ, Muhairwa AP, Dekkers JCM. 2019. Genetic Analyses of Tanzanian Local Chicken Ecotypes Challenged with Newcastle Disease Virus. *Genes (Basel)*. 2019 Jul 17;10(7). pii: E546. doi: 10.3390/genes10070546.
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3. Saelao, P., Y. Wang, G. Chanthavixay, J. Dekkers, R. Gallardo, A. Wolc. T.R. Kelly, S.J. Lamont. Zhou, H. 2019. Genetics and Genomic Regions Affecting Response to Newcastle Disease Virus Infection under Heat Stress in Layer Chickens. *Genes (Basel)*. 2019 Jan 18;10(1). pii: E61. doi: 10.3390/genes10010061.
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5. Rowland K, Saelao P, Wang Y, Fulton JE, Liebe GN, McCarron AM, Wolc A, Gallardo RA, Kelly T, Zhou H, Dekkers JCM, Lamont SJ. 2018. Association of Candidate Genes with Response to Heat and Newcastle Disease Virus. *Genes (Basel)*. 9(11). pii: E560. doi: 10.3390/genes9110560.
6. Litvak Y., K.K.Z. Mon, H. Nguyen, G. Chanthavixay, M. Liou, E. M. Velazquez, L. Kutter, M. A. Alcantara, M. X. Byndloss, C.R. Tiffany, G. T. Walker, F. Faber, Y. Zhu, D. N. Bronner, A. J. Byndloss, R. M. Tsois, H. Zhou. A. J. Baumler. 2019. Commensal Enterobacteriaceae protect against *Salmonella* colonization by competing for oxygen. *Cell Host & Microbe* 25, 1- 12https://doi.org/10.1016/j.chom.2018.12.003
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8. Saelao, P., Y. Wang, G. Chanthavixay, V. Yu, J. Dekkers, R. Gallardo, T.R. Kelly, S.J. Lamont. Zhou, H. 2018. Integrated proteomic and transcriptomic analysis of differential expression of chicken lung tissue in response to NDV infection during heat stress. *Genes* 9, 579; doi:10.3390/genes9120579.

COH

Publications/Presentations:

1. Zhang J, Goto RM, Honaker CF, Siegel PB, Miller MM. 2019. Distribution of haplotypes within selected chicken lines suggests MHC-Y contributes to the genetics underlying heritable high and low antibody responses. *Plant and Animal Genome Meeting XXVIII*, San Diego CA, January 13-15, 2019.

2. Miller MM, Zhang J, Warden C, Goto RM. 2019. Progress in Revealing MHC-Y Diversity and Function in Chickens. Plant and Animal Genome Meeting XXVIII, San Diego CA, January 13- 15, 2019.
3. Zhang J, Goto RM, Honaker CF, Siegel PB, Miller MM. 2019. Segregation of chicken MHC-Y haplotypes in high and low antibody selected lines provides evidence that MHC-Y contributes to the genetics of immune responses. AAI Meeting, May 9-13, 2019.
4. Goto RM, Gugiu G, Zhang J, Stadtmueller B, Bjorkman PJ, Miller MM. 2019. Polymorphism in chicken MHC-Y class I molecules that bind lipid ligands. AAI Meeting, May 9-13, 2019.
5. Zhang J, Goto, RM, Miller, MM. A simple means for chicken MHC-Y genotyping using short tandem repeat sequences. Manuscript submitted December 18, 2019.

DE

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4. Brothers, B.K., Zhuo, Z., Papah, M. and Abasht, B., 2019. RNA-seq analysis reveals spatial and sex differences in pectoralis major muscle of broiler chickens contributing to difference in susceptibility to wooden breast disease. *Frontiers in Physiology*, 10, p.764.
5. Zhuo, Z., Lamont, S.J. and Abasht, B., 2019. RNA-Seq Analyses Identify Additivity as the Predominant Gene Expression Pattern in F1 Chicken Embryonic Brain and Liver. *Genes*, 10(1), p. 27.
6. Adentunji, M., Lamont, S.J., Abasht, B.A., and Schmidt, C.J. 2019. Variant analysis pipeline for accurate detection of genomic variants from transcriptome sequencing data. *PLOS ONE* 14(9): transcriptome sequencing data. *PLOS ONE* 14(9): e0216838. doi.org/10.1371/journal.pone.0216838
1. Reed KM, Mendoza, KM and Abrahante JE. Circular RNA expression in turkey skeletal muscle and response to thermal challenge. ISAG, Lleida Spain, 2019.

GA

Publications:

1. Vilar da Silva, J.H., F. Gonzalez-Ceron, E. W. Howerth, R. Rekaya and S. E. Aggrey, 2019. Inhibition of the transsulfuration pathway affects growth and feather follicle development in meat-type birds. *Animal Biotechnology* 30: 175-179.
2. Vilar da Silva, J.H., F. Gonzalez-Ceron, E. W. Howerth, R. Rekaya and S. E. Aggrey, 2019. Alteration of Dietary Cysteine Affects Activities of Genes of the Transsulfuration and Glutathione pathways, and Development of Skin tissues and Feather Follicles in Chickens. *Animal Biotechnol.* 2019 Apr 5:1-6. doi: 10.1080/10495398.2019.1577253

3. Ellestad LE, Cogburn LA, Simon J, Le Bihan-Duval E, Aggrey SE, Byerly MS, Duclos MJ, Porter TE. 2019. Transcriptional profiling and pathway analysis reveal differences in pituitary gland function, morphology, and vascularization in chickens genetically selected for high or low body weight. *BMC Genomics*. 2019 Apr 25;20(1):316. doi: 10.1186/s12864-019-5670-9
4. Chang L.Y., Toghiani S, S.E. Aggrey, Rekaya R, 2019. Increasing accuracy of genomic selection in presence of high density marker panels through the prioritization of relevant polymorphisms. *BMC Genet*. 2019 Feb 22;20(1):21. doi: 10.1186/s12863-019-0720-5.
5. Habashy, W.S., M. C. Milfort, R. Rekaya and S. E. Aggrey, 2019. Cellular antioxidant enzyme activity and biomarkers for oxidative stress are affected by heat stress. *Int. Journal of Biometeorology* 63: 1569-1584. doi: 10.1007/s00484-019-01769-z.
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7. Chang, L.-Y., S. Toghiani, E. H. Hay, S. E. Aggrey, and R. Rekaya, 2019. A weighted genomic relationship matrix based on Fst prioritized SNPs for genome selection. *Genes*. 10(11). pii: E922. doi:10.3390/genes10110922.
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10. Sumreddee, P., S. Toghiani, E. H. Hamidi, A. Roberts, S. E. Aggrey, and R. Rekaya, 2019. Inbreeding depression in line 1 Hereford cattle population using pedigree genomic information. *J. Animal Sci*. 97: 1-8.

IA

Journal Articles and Book Chapters

1. Adentunji, M., Lamont, S.J., Abasht, B.A., and Schmidt, C. J. 2019. Variant analysis pipeline for accurate detection of genomic variants from transcriptome sequencing data. *PLOS ONE* 14(9): e0216838. doi.org/10.1371/journal.pone.0216838
2. Monson, M.S., Van Goor, A.G., Persia, M.E., Rothschild, M. F., Schmidt, C.J., Lamont, S.J. 2019. Genetic lines respond uniquely within the chicken thymic transcriptome to acute heat stress and low dose lipopolysaccharide. *Scientific Reports* 9:13649 doi.org/10.1038/s41598-019-50051-0
3. Barrett, N.W., Schmidt, C.J., Lamont, S.J., Ashwell, C.M., Persia, M.E. 2019. Effects of acute and chronic heat stress on the performance, egg quality, body temperature and blood gas parameters of laying hens. *Poultry Science*. <http://dx.doi.org/10.3382/ps/pez541>
4. Walugembe, M. Mushi, J., Amuzu-Aweh, E., Chiwanga, G., Msoffe, P., Wang, Y., Saelao, P., Kelly, T., Gallardo, R., Zhou, H., Lamont, S., Muhairwa, A., Dekkers. J.

2019. Genetic analyses of Tanzania local chicken ecotypes challenged with Newcastle disease virus. *Genes* 10, 546; doi:10.3390/genes10070546
5. Schilling, M., Memari, S., Cavanaugh, M., Katani, R., Deist, M.S., Radzio-Basu, J., Lamont, S.J., Buza, J.J., and Kapur, V. 2019. Conserved, breed-dependent, and subline-dependent innate immune responses of Fayoumi and Leghorn chicken embryos to NDV infection. *Scientific Reports* 9:7209 doi.org/10.1038/s41598-019-43483-1
 6. Rowland, K., Ashwell, C.M., Persia, M.P., Rothschild, M.F., Schmidt, C., Lamont, S.J. 2019. Genetic analysis of production, physiologic, and egg quality traits in heat-challenged commercial white egg-laying hens using 600k SNP array data. *Genetics Selection Evolution* 51:31 doi.org/10.1186/s12711-019-0474-6
 7. Elbeltagy, A.R., Bertolini, F., Fleming, D.S., Van Goor, A., Ashwell, C.M., Schmidt, C.J., Kugonza, D., Lamont, S.J., Rothschild, M.F. 2019. Natural selection footprints among African chicken breeds and village ecotypes. *Front. Genet.* 10:376. doi: 10.3389/fgene.2019.00376
 8. Rowland, K., Persia, M., Rothschild, M., Schmidt, C., Lamont, S. 2019. Blood gas and chemistry components are moderately heritable in commercial white egg-laying hens under acute or chronic heat exposure. *Poultry Science* 0:1–5 <http://dx.doi.org/10.3382/ps/pez204>
 9. Saelao, P., Wang, Y., Chanthavixay, G., Gallardo, R.A., Wolc, A., Dekkers, J.C.M., Lamont, S.J., and Zhou, H. 2019. Genetics and genomic regions affecting response to Newcastle disease virus infection under heat stress in layer chickens. *Genes* 10(1), 61; <https://doi.org/10.3390/genes10010061>
 10. Walugembe, M., Bertolini, F., Dematawewa, C.M.B., Reis, M.P., Elbeltagy, A.R., Schmidt, C.J., Lamont, S.J., and Rothschild, M.F. 2019. Detection of selection signatures among Brazilian, Sri Lankan, and Egyptian chicken populations under different environmental conditions. *Front. Genet.* doi: 10.3389/fgene.2018.00737
 11. Zhuo, Z., Lamont, S., Abasht, B. 2019. RNA-Seq analyses identify additivity as the predominant gene expression pattern in F1 chicken embryonic brain and liver. *Genes* 10, 27; doi:10.3390/genes10010027
 12. Drobik-Czwarno, W., Wolc, A., Kucharska, K., Martyniuk, E., Genetic basis of resistance to highly pathogenic avian influenza in chicken. Review article in Polish. *Scientific Annals of Polish Society of Animal Production.*
 13. Wolc, A., Arango, J., Settar, P., Fulton, J.E., O'Sullivan, N.P. and Dekkers, J.C., 2019. Genetics of male reproductive performance in White Leghorns. *Poultry Sci.* 98: 2729-2733.
 14. Weng, Z., Wolc, A., Su, H., Fernando, R.L., Dekkers, J.C., Arango, J., Settar, P., Fulton, J.E., O'Sullivan, N.P. and Garrick, D.J., 2019. Identification of recombination hotspots and quantitative trait loci for recombination rate in layer chickens. *J. Anim. Sci. Tech.* 10(1), p.20.

MI

Publications for 2019

1. Barnes NE, Strasburg GM, Velleman SG, and Reed KM. 2019. Thermal challenge alters the transcriptional profile of the breast muscle in turkey poults. *Poultry Science* 98: 74-91 doi: 10.3382/ps/pey401.

2. Reed KM, Velleman SG, and Strasburg GM. 2019. Effects of thermal stress and genetic selection on turkey muscle gene expression. Proceedings of the 10th International Meeting of the Working Group 10 (Turkey).
3. Malila Y, Thanatsang K, Arayamethakorn S, Uengwetwanit T, Srimarut Y, Petracci M, Strasburg GM, Rungrassamee W, Visessanguan W. 2019. Absolute expressions of hypoxia-inducible factor-1 alpha (HIF1A) transcript and the associated genes in chicken skeletal muscle with white striping and wooden breast myopathies. PLoS One. Aug. 8;14(8):e0220904. doi: 10.1371/journal.pone.0220904. eCollection 2019

MN

Publications and presentations for 2019

1. Ward TL, Weber BP, Mendoza KM, Danzeisen JI, Llop K, Lang K, Clayton JB, Grace E, Brannon J, Radovic I, Beauclaire M, Heisel TJ, Knights D, Cardona C, Kogut M, Johnson C, Noll SL, Arsenault R, Reed KM, and Johnson T. 2019. Antibiotics and host-tailored probiotics similarly modulate effects on the developing microbiome, mycobiome, and host transcriptome. MBio, DOI: 10.1128/mBio.02171-19.
2. Reed KM, Mendoza KM, and Coulombe RA. 2019. Altered gene response to aflatoxin B1 the spleens of susceptible and resistant turkeys. Toxins (Basel) 11(5), 242; doi.org/10.3390/toxins11050242
3. Reed KM, Mendoza KM, and Coulombe RA Jr. 2019. Differential transcriptome responses to aflatoxin B1 in the cecal tonsil of susceptible and resistant turkeys. Toxins (Basel) 11(1); 55. doi:10.3390/toxins11010055.
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5. Reed KM and Coulombe RA Jr. 2019. Systemic response to aflatoxin B1 in gene expression of susceptible and resistant turkeys. Proceedings of the 10th International Meeting of the Working Group 10 (Turkey).
6. Reed KM, Velleman SG, and Strasburg GM. 2019. Effects of thermal stress and genetic selection on turkey muscle gene expression. Proceedings of the 10th International Meeting of the Working Group 10 (Turkey).

NY

Publications

1. Stephens, C.S. and P.A. Johnson. Reproductive Physiology of Poultry in Animal Agriculture: Sustainability, challenges and Innovations. Ed. by F.W. Bazer, G.C. Lamb and G. Wu. Academic Press, London. 2020.

RVC

Publications and presentations for 2019

1. L. Freem, KM Summers, A Gheyas, A. Psifidi, Kay Boulton, A. McCallum, J O'Dell, SJ Bush and D Hume. (2019) "Analysis of the progeny of sibling matings reveals regulatory

- variation impacting the transcriptome of immune cells in commercial chickens”, *Frontiers in Genetics* DOI: 10.3389/fgene.2019.01032.
2. AT. Hinsu, RJ. Pandit, SH. Patel, A. Psifidi, FM. Tomley, SK. Das, DP. Blake, CG. Joshi. 2019. Genome reconstruction of a novel carbohydrate digesting bacterium from the chicken caecal microflora. *Meta Gene* 20 (2019) 100543
 3. Psifidi A. 2019. "Dissecting the genomic architecture of host resistance to *Campylobacter* colonisation in chickens". Newton Agham Workshop 2019 on Vaccines and Diagnostics, Manila, Philippines https://www.slideshare.net/zerep_cire/2019-newton-aghama-researcher-links-workshop-vaccines-and-diagnostics-conference-proceedings
 4. Psifidi A., L. Rothwell, D. Robledo, A. Bremner, A. Kranis, G. Banos, R. Bailey, M.S. Fife, P.M. Hocking, K. Watson, P. Kaiser, S. Avendano, M. Stevens. 2019. “Genomic and Transcriptomic Characterisation of *Campylobacter* Resistance in Broilers”, Host Pathogen Workshop, Plant & Animal Genome XXVII (PAG) conference, San Diego, California, USA
 5. A. Psifidi, M. Crotta, A. Hinsu, RJ. Pandit, B. Fosso, PG. Koringa, G Limon, G. Banos, J Guitian, DN. Rank, FM. Tomley, D. Hume, CG. Joshi, and DP. Blake. 2019. “Microbiota of the chicken gut: genomic and metagenomic characterisation” Plant & Animal Genome XXVII (PAG) conference, 2019, San Diego, California, USA
 6. Psifidi A. 2019. Genomic, transcriptomic and 16S sequencing characterisation of host resistance to *Campylobacter* colonisation in chickens. Invited speaker from EFSA in the Intervention Measures Across the Poultry Production Chain Workshop the CHRO conference, 2019, Belfast, UK

TN

1. Mihelic R, Winter H, Powers J, Das S, Lamour K, Campagna S, Voy BH. Developmental regulation of the fatty acid elongase and desaturase pathways in broiler chicks. In review, *British Poultry Science*, 2019
2. Mihelic, R*, Urban ER, Gill T, Smith MO, and Voy BH. 2019. Increasing Charcoal Efficiency for Brooding Broiler Chickens in Rural Rwanda. *African Journal of Poultry Farming*, in press (corresponding author).
3. Mihelic R, Piaquadio K, Voy BH. Developmental regulation of elongase enzyme expression in broiler chick adipose tissue. *Poult. Sci.* 95(E-Suppl. 1).
4. Mihelic R, Urban E, Voy BH, Gill T. Improving brooding efficiency for small holder broiler farms in rural Rwanda. Atlanta, GA. International Poultry Scientific Forum, Atlanta, GA, 2019.
5. Mihelic, R. Broiler chicken development: from genetic regulation to rural Rwandan production (Master’s thesis); 2019.

TX - Athrey

Publications

1. Hubert SM§, Al-Ajeeli M, Bailey CA, and Athrey G‡. The role of housing environment and dietary protein source on the gut microbiota of chicken. (2019). *Animals* 9:1085. <https://doi.org/10.3390/ani9121085>.
2. Shivanagoudra SR, Perera WH, Perez JL, Athrey G, Sun Yuxiang, Jayaprakasha GK, Patil BS. In vitro and in silico elucidation of antidiabetic and anti-inflammatory activities of bioactive compounds from *Momordica charantia* L. . (2019). *Bioorganic & Medicinal Chemistry*. 27:3097-3109. <https://doi.org/10.1016/j.bioorg.2019.02.040>.
3. Klerks PL, Athrey G, Leberg PL. Response to selection for increased heat tolerance in a small fish species, with response decreased by a population bottleneck. (2019). *Frontiers in Ecology and Evolution*. 7 (270): 1-10. <https://doi.org/10.3389/fevo.2019.00270>.
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TX- Walzem

Publications and presentations for 2019

1. Rosemary Walzem “Avian Genetic Rescue” presented on June 16, 2019 Team Call for Revive& Restore. Davis, California.
2. Rosemary Walzem, “Catalyst for Common Use.” W891 Poultry Genetic Resources: Plant and Animal Genome Conference January 12. 2020, San Diego, California.

VA

Refereed Journal Articles

1. Zhang, H and Wong, E. A. 2019. Expression of avian β -defensin mRNA in the chicken yolk sac. *Develop. Comp. Immunol.* 95:89-95. doi:10.1016/j.dci.2019.02.006
2. Reynolds, K. R. and Wong, E. A. Changes with age in density of goblet cells in the small intestine of broiler chicks. *Poult. Sci.* (in press).
3. Adikari A. M. J. B., Xu, J., and Smith, E. J. 2019. Association of polymorphisms in the Cryptochrome-1 gene (*turCry1*) with growth and reproductive traits in turkeys, *Meleagris gallopavo*. *Sri Lankan Journal of Agriculture and Ecosystems*. ISSN: 2673-1401. Volume: 1, Issue: 1, (August, 2019), pp 23-40 www.rjt.ac.lk/agri/sljae

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1. Fernandes, A. F. A., Dorea, J. R. R., Fitzgerald, R., Herring, W. and Rosa, G. J. M. A novel automated system to acquire biometric and morphological measurements, and

- predict body weight of pigs via 3D computer vision. *Journal of Animal Science* 97: 496-508, 2019.
2. Passafaro, T.L., Van de Stroet, D., Bello, N. M., Williams, N. H. and Rosa, G. J. M. Generalized additive mixed model on the analysis of total transport losses of market-weight pigs. *Journal of Animal Science* 97: 2025-2034, 2019.
 3. Aiken, V. C. F., Dórea, J. R. R., Acedo, J. S., Sousa, F. G., Dias, F. G. and Rosa, G. J. M. Record linkage for farm-level data analytics: Comparison of deterministic, stochastic and machine learning methods. *Computers and Electronics in Agriculture* 163: 104857, 2019.
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 5. Koltjes, J. E., Cole, J. B., Clemmens, R., Dilger, R. N., Kramer, L. M., Lunney, J. K., McCue, M. E., McKay, S. D., Mateescu, R. G., Murdoch, B. M., Reuter, R., Rexroad, C.E., Rosa, G. J. M., Serão, N. V. L., White, S. N., Woodward-Greene, M. J., Worku, M., Zhang, H. and Reecy, J. M. A Vision for development and utilization of high-throughput phenotyping and big data analytics in livestock. *Frontiers in Genetics* 10: 1197, 2019.
 6. Chitakasempornkul, K., Meneget, M. B., Rosa, G. J. M., Lopes, F. B., Jager, A., Gonçalves, M. A. D., Dritz, S. S., Tokach, M. D., Goodband, R. D. and Bello, N. M. Investigating causal biological relationships between reproductive performance traits in high-performing gilts and sows. *Journal of Animal Science* 97: 2385-2401, 2019.
 7. Goto, T., Fernandes, A. F. A., Tsudzuki, M. and Rosa, G. J. M. Causal phenotypic networks for egg traits in an F2 chicken population. *Molecular Genetics and Genomics* 294: 1455- 1462, 2019.
 8. Abdalla, E. A., Lopes, F. B., Byrem, T. M., Weigel, K. A. and Rosa, G. J. M. Genomic prediction of bovine leukosis incidence in a US Holstein population. *Livestock Science* 225: 73–77, 2019.
 9. Bresolin, T., Rosa, G. J. M., Valente, B. D., Espigolan, R., Gordo, D. G. M., Braz, C. U., Fernandes, G. A., Magalhães, A. F. B., Garcia, D. A., Frezarim, G. B., Leão, G. F. C., Carneiro, R., Baldi, F., Oliveira H. N. and Albuquerque, L. G. Effect of quality control, density and allele frequency of markers on the accuracy of genomic prediction for complex traits in Nelore cattle. *Animal Production Science* 59(1): 48-54, 2019.

WI-SUNDE

Manuscripts published in 2019

1. Taylor RM, Bourget VG, Sunde RA 2019 High dietary inorganic selenium has minimal effects on turkeys and selenium status biomarkers. *Poult. Sci.* 98: 855-865. PMID: 30239950

Abstracts published in 2019

1. Sunde RA, Taylor RM 2019 The Turkey Selenoproteome: genes and regulation of transcript expression by selenium deficiency and high Se status. *Plant Anim Genom.* 27: W881. (abs.)
2. Taylor RM, Sunde RA 2019 Transcriptomic analysis of selenium-deficient and high-selenium turkey liver. *Plant Anim Genom.* PE0428. (abs.)

3. Taylor RM, Sunde RA 2019 Full transcriptome expression in liver of selenium-deficient and high-selenium turkeys (*Meleagris gallopavo*) determined by RNA-seq. ASN P24-025-19: (abs.)
4. Taylor RM, Sunde RA 2019 Selenium requirement of turkeys based on tissue selenium concentration and selenoprotein activity and transcript expression. *J Anim Sci.* 97: 177-178. (abs.)
5. Sunde RA. Impact of high dietary selenium on the selenoprotein transcriptome, selenoproteome, and selenometabolites in multiple species. In: *Selenium Research for Environment and Human Health: Perspectives, Technologies and Advancements* (Banelos G., Lin Z. Q., Liang D. & Yin X. B., eds.), pp. 159-160. Taylor and Francis, London

1. Alec Steep, Genetics Program – Genomic Investigations of Marek’s Disease Lymphomas
Cari Hearn, Comparative Medicine and Integrative Biology - Role of the Chicken T Cell
2. Tae-hyun Kim, Elucidating the Functional Role of Interferon Regulatory Factor 7 in the
Host Antiviral Pathway Against Avian Influenza Virus in Chickens., September 2019
3. Gustavo H. Schneiders, 2019. Unraveling the pathogenesis and molecular development of
Eimeria species under heat stress and thermoneutral conditions. PhD Dissertation.
Department of Poultry Science, University of Georgia, Athens, GA
4. Liu, K. Delayed access to feed affects broiler small intestinal morphology and intestinal
cell ontogeny. MS thesis, Virginia Tech, 2019.
5. Morphological and Molecular Characterization of Wooden Breast Myopathy in
Commercial Broiler Chickens. Michael Babak, Sept 10, 2019
6. Reynolds, K. Effects of high incubation temperature on the developing small intestine and
yolk sac of broiler chicks with insight into goblet cell development in the small intestine
early posthatch. MS thesis, Virginia Tech, 2019.
7. Shawna M. Hubert, Summer 2019. Functional and genomic drivers of wooden breast in
commercial broilers. Texas A&M University, College Station, Texas. 2019
8. Supawadee Umthong, Microbiology and Molecular Genetics – Identifying the Underlying
Mechanisms of Marek’s Disease Vaccine Synergy
9. Karen Tracy, The systemic immune response to Newcastle disease virus infection in
chickens., December 2019