

# Aaron Rendahl, Ph.D.

*Curriculum Vitae, July 2021*

Assistant Professor of Statistics and Informatics  
College of Veterinary Medicine, University of Minnesota

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## Education

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Ph.D. Statistics, University of Minnesota (Sanford Weisberg, Advisor) August 2008  
B.A. Mathematics, B.S. Physics, Bethel University, St. Paul, MN May 2000

## Employment

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Assistant Professor of Statistics and Informatics June 2017–  
College of Veterinary Medicine, University of Minnesota  
I collaborate with researchers throughout the college on their research and teach graduate level courses on statistical practice.

Statistical Consulting Manager July 2008–June 2017  
School of Statistics, University of Minnesota  
I managed the Statistical Consulting Center, including scheduling and oversight of graduate students, consulting with clients, and general administration of the clinic. I also managed the summer internship program for statistics graduate students and taught an annual graduate-level course on statistical collaboration.

## Teaching

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### As Primary Instructor:

CMB/VMED 5915: Essential Statistics for Life Sciences Fall, 2018–  
A broad overview of the principles and methods of statistical analysis used in life sciences research, including biological, veterinary, and translational research. Provides the background needed to understand and apply commonly used statistical methods.

CMB/VMED 8910: Statistical Principles of Research Design Spring, 2018–  
An overview of the principles and techniques of research design and methods used in veterinary and translational research. Provides the background a new researcher needs to understand the literature and make good decisions about what is appropriate for their research.

STAT8801: Statistical Consulting Spring, 2009–2017  
An introduction to skills needed to collaborate effectively and responsibly with non-statisticians to answer their subject matter questions. Includes written and verbal communication, professional practice and ethics, and various technical tools.

STAT4893W: Consultation and Communication for Statisticians Spring and Fall, 2016  
A capstone course for undergraduate statistics majors, including an in-depth consulting project and extensive written work.

EPSY8282: Longitudinal Data Spring 2011  
An introduction to longitudinal data analysis using mixed models.

STAT4101-2: Theory of Statistics 2 times, 2006-2008

A calculus-based introduction to statistical theory and concepts, assuming no previous experience. Topics included probability, distributions, generating functions, likelihood, hypothesis testing, and Bayesian methods, with application to categorical data, analysis of variance, and regression.

**As Contributing Faculty:**

CVM6906: Critical Scientific Reading Spring 2012-present

A primarily journal club type course where students read articles and practice critically evaluating them under the direction of faculty advisers. I present one class period on statistical concepts and skills needed to critically evaluate articles, and for each article read, visit the groups to discuss further the statistical issues.

CMB8134: Ethical Conduct of Animal Research 2018-present

I contribute a class on statistical considerations for ethical research, primarily focusing on power and sample size.

CMB8202: Mechanisms of Animal Health and Disease II Fall 2019 - present)

I contribute to a class on basic statistical analysis and interpretation.

VMED5910: Grantwriting Summer 2012, Spring 2014-2019

I contribute a class on power calculations and planning for statistical analyses.

STAT4893W Fall 2014

I contributed a class that demonstrated what a statistical consultation could look like and discussed best practices for meeting with clients.

CVM Summer Scholars Program Summer 2011

I contributed a seminar on experimental design for undergraduate researchers in the College of Veterinary Medicine Summer Scholars Program

**Awards**

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2019 Outstanding Graduate Student Advising & Teaching Award (UMN CVM)

Presented "for creating two successful statistics courses to meet our graduate students' research needs, and for the engaged and plentiful statistics advice and help he provides our students."

**Service**

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CVM Admissions Committee 2019-2023; serving as Chair since 2020

CVM Education Support Group, 2018-

Reviewer, Zoonoses and Public Health, 2020 (1 manuscript)

Reviewer, Journal of Medical Virology, 2018-2019 (2 manuscripts)

Grant Reviewer, UMII MnDRIVE PhD Graduate Assistantship Program, Fall 2020

Grant Reviewer, College of Veterinary Medicine Animal Health/Hatch Program, 2014

Grant Reviewer, UMN Informatics Institute Seed Grant Program, Fall 2010

## Professional Development

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- Regression Modeling Strategies 4-day course May 11–14, 2021  
by Prof. Frank Harrell, Vanderbilt University
- UMN CVM Instructor Development Program 2018–2020  
I participated in this collegiate program for new faculty, involving monthly discussions and journal clubs to introduce and discuss best practices for teaching.

## Professional Memberships

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American Statistical Association  
Minnesota Veterinary Medical Association (affiliate)

## Publications

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### Works in progress...

- Evaluation of feline insulinoma: A Veterinary Society of Surgical Oncology (VSSO) Retrospective Study of 20 cases (2006-2020). S Veytsman, A Rendahl, P Ansellem, et.al. **Veterinary Surgery**, submitted 5 Jul 2021.
- Behavioral and Physiologic Effects of Dirty Bedding Exposure on Female ICR Mice. A Merley, J Hubbard, A Rendahl, FD Duke Boynton, L Collura Impelluso. **Journal of the American Association for Laboratory Animal Science**, submitted 26 May 2021.
- Computed tomography radiomic features hold prognostic utility for canine lung tumors: an analytical study. H Able, A Wolf-Ringwall, A Rendahl, C Ober, D Seelig, C Wilke, J Lawrence. **PLOS One**, revisions submitted 27 Jun 2021.
- Public views of dairy calf welfare and dairy consumption habits of American youth and adults. R Perttu, B Ventura, A Rendahl, M Endres. **Frontiers in Veterinary Science**, submitted 9 Apr 2021.
- Factors Influencing Vascular Enhancement Accuracy in a Triple-Phase Canine Abdominal Computed Tomography Angiography Protocol. A Dave, C Ober, A Rendahl. **American Journal of Veterinary Research**, revisions submitted 20 Jun 2021.
- CAR/CXCR5-T cell immunotherapy is safe and potentially efficacious in promoting sustained remission of SIV infection. P Skinner, M Pampusch, H Mohammed, J Molden, E Cartwright, B Davey, J Suave, A Rendahl, E Rakasz, E Connick, E Berger. **PLOS Pathogens**
- Evaluation of various sample sources for the cytologic diagnosis of *Cytauxzoon felis*. C Slezniow, J Granick, L Cohn, L Nafe, A Rendahl, E Burton. **Journal of Veterinary Internal Medicine**, revision submitted 22 Jun 2021.
- Retrospective evaluation of post-operative complications of elbow arthrodesis (EA) in dogs: 22 cases (2009-2019). Elaine V Dinwiddie, DVM; Aaron Rendahl; Stan Veytsman; Albert C Lynch; Brianna Minitier; Ron Ben-Amotz. **PLOS ONE**, revisions submitted.
- Retrospective evaluation of fluid production at the time of thoracostomy tube removal following elective and emergency surgery in dogs: 185 cases (2010-2017). MA Racette, LC Sharkey, AK Rendahl, DA Heinrich, RS Chow. **Journal of Veterinary Emergency and Critical Care**, accepted Jul 2020.
- Red cell distribution width is a predictor of all-cause mortality in hospitalized dogs. T Ludwik, D Heinrich, A Rendahl, S Friedenbergl. **Journal of Veterinary Emergency and Critical Care**, accepted 16 Apr 2020.

## 2021 publication dates

1. A pilot study to assess the healing of meniscal tears in young adult goats. W Fedje-Johnston, C Johnson, F Toth, C Carlson, A Ellingson, M Albersheim, J Lewis, J Bechtold, J Ellermann, A Rendahl, M Tompkins. **Scientific Reports**, Epub 9 Jul 2021. doi:10.1038/s41598-021-93405-3
2. Prognostic histopathologic features of canine glial tumors. J Merickel, GE Pluhar, A Rendahl, M O'Sullivan. **Veterinary Pathology**, Epub 5 Jul 2021. doi:10.1177/03009858211025795
3. Effect of chronotype (lark versus night owl status) and mindset on examination performance in veterinary school. H Bakker, A Rendahl, P Root-Kustritz. **Journal of Veterinary Medical Education**, Epub 11 Jun 2021. doi:10.3138/jvme-2021-0033
4. Baseline Physiologic and Hematologic Health in Wild-caught Muskrats (*Ondatra zibethicus*) from a Near-Pristine Ecosystem in Northern Minnesota. O Aarrestad, B Matykiewicz, SK Windels, AA Ahlers, BT Olson, A Rendahl, E Burton, TM Wolf. **Journal of Zoo and Wildlife Medicine**, Epub 11 Jun 2021. doi:10.1638/2020-0108
5. Retrospective evaluation of thrombocytopenia and tumor stage as prognostic indicators in dogs with splenic hemangiosarcoma. A Masyr, A Rendahl, A Winter, A Borgatti, J Modiano. **Journal of the American Veterinary Medical Association**, Epub 15 Mar 2021. doi:10.2460/javma.258.6.630.
6. Proposed virulence-associated genes of *Streptococcus suis* isolates from the United States serve as predictors of pathogenicity. A Estrada, M Gottschalk, A Rendahl, S Rossow, L Marshall-Lund, D Marthaler, C Gebhart. **Porcine Health Management**, Epub 28 Feb 2021. doi:10.1186/s40813-021-00201-6
7. Retrospective Analysis of the Effects of Blastomyces Urine Antigen Concentration and Radiographic Findings on Survival Probability in Dogs with Blastomycosis. L Motschenbacher, E Furrow, A Rendahl, E Nell, K Anderson, L Merkel, E Patterson. **Journal of Veterinary Internal Medicine**, Epub 19 Feb 2021. doi:10.1111/jvim.16041
8. Radiographic Diagnoses in 80 Cats Before and 73 Cats After Unobstructing the Urethra. CS Young, JM Todd, A Rendahl, JP Lulich. **Journal of Small Animal Practice**, Epub 18 Feb 2021. doi:10.1111/jsap.13275
9. Optimization of histologic grading schemes in spontaneous and surgically-induced murine models of osteoarthritis. A Armstrong, C Carlson, A Rendahl, R Loeser. **Osteoarthritis and Cartilage**, Epub 6 Feb 2021. doi:10.1016/j.joca.2021.01.006
10. Indicators of Post-Operative Pain in Syrian Hamsters (*Mesocricetus auratus*). A Edmunson, A Rendahl, et al. **textbfComparative Medicine**, Epub 26 Jan 2021. doi:10.30802/AALAS-CM-20-990056

## 2020 publication dates

11. The effect of individual vs pair housing of dairy calves during the pre-weaning period on measures of health, performance and behavior to 16 wk of age. W Knauer, S Godden, A Rendahl, M Endres, B Crooker. **Journal of Dairy Science**, Epub 25 Dec 2020. doi:10.3168/jds.2020-18928
12. Effect of Palatal Root Access Technique on Fracture Resistance of Root Canal Treated Maxillary Fourth Premolar Teeth in Dogs. J Matelski, S Goldschmidt, A Rendahl. **Frontiers in Veterinary Science**, Epub 11 Dec 2020. doi:10.3389/fvets.2020.600145
13. Comparison of Semi-Cylindrical Recession Trochleoplasty and Trochlear Block Recession for the Treatment of Canine Medial Patellar Luxation: A Pilot Study. CL Blackford Winders, M Daubert, A Rendahl, M Conzemius. **Veterinary and Comparative Orthopaedics and Traumatology**, Epub 26 Nov 2020. doi:10.1055/s-0040-1721107
14. Changes in Matrix Components in the Developing Human Meniscus. W Fedje-Johnston, A Rendahl, F Toth, M Tompkins. **American Journal of Sports Medicine**, Epub 25 Nov 2020. doi:10.1177/0363546520972418
15. Influence of Skull Biometrics on Cosmetic Reconstruction after Incisivectomy and Nasal Planectomy Reconstruction in Dogs. S Goldschmidt, A Rendahl, et. al. **Veterinary Surgery**, Epub 23 Nov 2020. doi:10.1111/vsu.13535

16. Effects of the Administration of a Non-Specific Immune Stimulant around Transportation on Health and Performance of Jersey and Jersey-Cross Heifer Calves during the Rearing Period: Randomized Clinical Trial. BO Omontese, LS Caixeta, VS Machado, A Rendahl, MLK Celestino, P Menta, D Paiva, A Garcia-Muñoz, A. Masic. **Frontiers Veterinary Science**, Epub 14 Oct 2020. doi:10.3389/fvets.2020.550202
17. Variability in recommendations for cervical lymph node pathology for staging of canine oral neoplasia: a survey study. Michael Congiusta, Jessica Lawrence, Aaron Rendahl and Stephanie Goldschmidt. **Frontiers in Veterinary Science**, Epub 13 Aug 2020. doi:10.3389/fvets.2020.00506
18. Evaluation of viral RNA extraction methods to detect porcine reproductive and respiratory syndrome and influenza A viruses from used commercial HVAC air filters from swine farms. J Nirmala, G Alves, C Vilalta, M Yang, A Rendahl, B Olson, M Torremorell. **Journal of Aerosol Science**, Epub 3 Aug 2020. doi:10.1016/j.jaerosci.2020.105624
19. Identification of student lifestyle characteristics associated with training choice to drive targeted admissions in veterinary medicine. M Root Kustritz, A Rendahl, E Malone. **Education in the Health Professions**, 2020 (3), 70–76. doi:10.4103/EHP.EHP\_2\_20
20. Volumetric tumor response assessment is inefficient without overt clinical benefit compared to conventional, manual veterinary response assessment in canine nasal tumors. E Nell, C Ober, A Rendahl, L Forrest, J Lawrence. **Veterinary Radiology and Ultrasound**, Epub 23 Jul 2020. doi:10.1111/vru.12895
21. Comparison between a smartphone electrocardiograph and standard three-lead base apex electrocardiography in healthy horses. B Welch-Huston, A Rendahl, M McCue, et. al. **Veterinary Record**, Epub 15 May 2020. doi:10.1136/vr.105759 accepted 17 Apr 2020.
22. Assessment of the FAM174A 11G allele as a risk allele for equine metabolic syndrome. MM Roy, EM Norton, AK Rendahl, NE Schultz, D McFarlane, RJ Geor, JR Mickelson, ME McCue. **Animal Genetics**, Epub 15 May 2020. doi:10.1111/age.12952
23. Impact of Repeated Cycles of EGF Bispecific Angiotoxin (eBAT) Administered at a Reduced Interval from Doxorubicin Chemotherapy in Dogs with Splenic Hemangiosarcoma. A Borgatti, A Fieberg, A Winter, K Stuebner, E Taras, D Todhunter, A Masyr, A Rendahl, D Vallera, J Koopmeiners, J Modiano. **Veterinary and Comparative Oncology**, Epub 18 Mar 2020. doi:10.1111/vco.12590
24. Prevalence and trend analysis of antimicrobial resistance in clinical *Escherichia coli* isolates collected from diseased pigs in the USA between 2006 and 2016. S Singh Hayer, A Rovira, K Olsen, T Johnson, F Vannucci, A Rendahl, A Perez, J Alvarez. **Transboundary and Emerging Diseases**, Epub 25 Feb 2020. doi:10.1111/tbed.13528
25. Comparison of immediate versus delayed streak plate inoculation on urine bacterial culture and susceptibility testing in dogs and cats. E Coffey, K Little, D Seelig, A Rendahl, J Granick. **Journal of Veterinary Internal Medicine**, Epub 31 Jan 2020. doi:10.1111/jvim.15719

## 2019 publication dates

26. Prevalence and time trend analysis of antimicrobial resistance in respiratory bacterial pathogens collected from diseased pigs in USA between 2006–2016. S Singh Hayer, A Rovira, K Olsen, T Johnson, F Vannucci, A Rendahl, A Perez, J Alvarez. **Research in Veterinary Science**, Epub 21 Nov 2019. doi:10.1016/j.rvsc.2019.11.010
27. Boulevard Tree Failures During Wind Loading Events. G Johnson, C Giblin, R Murphy, E North, A Rendahl. **Arboriculture & Urban Forestry**, 45(6), November 2019.
28. Determination of a serum total calcium threshold for the accurate prediction of ionized hypercalcemia in dogs with and without hyperphosphatemia. E Groth, D Chew, J Lulich, M Tommet, A Rendahl, B Husbands, E Furrow. **Journal of Veterinary Internal Medicine**, Epub 6 Nov 2019. doi:10.1111/jvim.15654

29. Rapid transduction and expansion of transduced T cells with maintenance of central memory population. M Pampusch, K Haram, G Hart, E Rakasz, A Rendahl, E Berger, E Connick, P Skinner. **Molecular Therapy**, Epub 30 Sep 2019. doi:10.1016/j.omtm.2019.09.007
30. Serotype and Genotype (Multilocus Sequence Type) of *Streptococcus suis* Isolates from the United States Serve as Predictors of Pathotype. A Estrada, M Gottschalk, S Rossow, A Rendahl, C Gebhart, D Marthaler. **Journal of Clinical Microbiology**, Epub 26 Aug 2019. doi:10.1128/JCM.00377-19
31. An in-home intervention of parent-implemented strategies to increase child vegetable intake: results from a non-randomized cluster-allocated community trial. F Overcash, Z Vickers, A Ritter, T Mann, E Mykerezi, J Redden, A Rendahl, C Davey, M Reicks. **BMC Public Health**, Epub 4 July 2019. doi:10.1186/s12889-019-7079-4
32. Canine pruritus visual analog scale: How does it capture owners' perception of their pet's itching level? A Young, S Torres, S Koch, M Eisenschenk, A Rendahl. **Veterinary Dermatology**, Epub 29 May 2019. doi:10.1111/vde.12761
33. Retrospective evaluation of the route and timing of nutrition in dogs with septic peritonitis: 68 cases (2007-2016). K Smith, A Rendahl, Y Sun, J Todd. **Journal of Veterinary Emergency and Critical Care**, Epub 25 Apr 2019. doi:10.1111/vec.12841
34. Cytology and the cell block method in diagnostic characterization of canine lymphadenopathy and in the immunophenotyping of nodal lymphoma. D Heinrich, A Avery, M Henson, J Overmann, A Rendahl, J Walz, D Seelig. **Veterinary and Comparative Oncology**, Epub 23 Apr 2019. doi:10.1111/vco.12484
35. Monitoring the curriculum through the student perspective. E Malone, M Root Kustritz, A Rendahl, L Molgaard. **Veterinary Medical Education**, Epub 22 Apr 2019. doi:10.3138/jvme.0418-038r1
36. DLA class II haplotypes show sex-specific associations with primary hypoadrenocorticism in Standard Poodle dogs. AE Treeful, AK Rendahl, SG Friedenber. **Immunogenetics**, Epub 9 Apr 2019. doi:10.1007/s00251-019-01113-0
37. Molecular and physiological characterization of fluoroquinolone-highly resistant *Salmonella* Enteritidis strains. S Vidovic, R An, A Rendahl. **Frontiers in Microbiology**, Epub 9 Apr 2019. doi:10.3389/fmicb.2019.00729
38. Low levels of SIV-specific CD8+ T cells in germinal centers characterizes acute SIV infection. S Li, J Folkvord, K Kovacs, R Wagstaff, G Mwakalundwa, A Rendahl, E Rakasz, E Connick, P Skinner. **PLoS Pathogens**, Epub 21 Mar 2019. doi:10.1101/407528
39. Preliminary Evaluation of Sustained-release compared with Conventional Formulations of Meloxicam in Sheep (*Ovis aries*). M Dunbar, K Walkowiak, J Schappa Faustich, A Rendahl, **American Association for Laboratory Animal Science**, Epub 7 Mar 2019. doi:10.30802/AALAS-JAALAS-18-000076
40. Urinary neutrophil gelatinase-associated lipocalin in dogs with stable or progressive kidney disease. Y Kim, D Polzin, A Rendahl, J Granick. **Veterinary Internal Medicine**, Epub 14 Feb 2019. doi:10.1111/jvim.15428
41. *Mycoplasma hyorhinis* and *Mycoplasma hyosynoviae* dual detection patterns in dams and piglets. LR Roos, MS Nair, AK Rendahl, M Pieters. **PLOS One**, Epub 3 Jan 2019. doi:10.1371/journal.pone.0209975

## 2018 publication dates

42. Associations between endocrine disrupting chemicals and equine metabolic syndrome phenotypes. S Durward-Akhurst, N Schultz, E Norton, A Rendahl, H Besselink, P Behnisch, A Brouwer, R Geor, J Mickelson, M McCue. **Chemosphere**, Epub 26 Nov 2018. doi:10.1016/j.chemosphere.2018.11.136
43. Heritability of metabolic traits associated with equine metabolic syndrome in Welsh ponies and Morgan horses. E Norton, N Schultz, A Rendahl, R Geor, J Mickelson, M McCue. **Equine Veterinary Journal**, Epub 25 Nov 2018. doi:10.1111/evj.13053

44. Retrospective characterization of canine coagulopathies using the turbidometric ACL-TOP 300 CTS analyzer. R Richardson, J Todd, L Sharkey, R Washabau, K Williams, K Little, A Rendahl. **Journal of Veterinary Emergency and Critical Care**, Epub 15 Oct 2018. doi:10.1111/vec.12775
45. Environmental Sampling Survey of H5N2 Highly Pathogenic Avian Influenza-Infected Layer Chicken Farms in Minnesota and Iowa. K Lopez, A Rendahl, M Culhane, D Halvorson, R Johnson, T Goldsmith, C Cardona, et.al. **Avian Diseases**, Epub 11 Oct 2018. doi:10.1637/11891-050418-Reg.1
46. Assessment of eosinophils in gastrointestinal inflammatory disease of dogs. I Bastan, A Rendahl, D Seelig, M Day, E Hall, S Rao, R Washabau, P Sriramarao. **Veterinary Internal Medicine**, Epub 7 Oct 2018. doi:10.1111/jvim.15310
47. Using a model board examination and a case study assessing clinical reasoning to evaluate curricular change. M Root Kustritz, A Rendahl, L Molgaard, E Malone. **Education in the Health Professions**, Epub 1 Oct 2018. doi:10.4103/EHP.EHP\_2\_18
48. Retrospective comparison of standard clotting tests and novel clot waveform parameters in dogs using the turbidimetric ACL TOP 300 coagulation analyzer. H Yagneswar, J Todd, L Sharkey, A Rendahl, K Tart. **Journal of Veterinary Diagnostic Investigation**, Epub 11 Sep 2018. doi:10.1177/1040638718797386
49. The effects of zinc amino acid complex supplementation on the porcine host response to *Lawsonia intracellularis* infection. F Leite, E Vasquez, F Vannucci, C Gebhart, A Rendahl, J Torrinson, A Mueller, N Winkelman, Z Rambo, R Isaacson. **Veterinary Research**, Epub 10 Sep 2018. doi:10.1186/s13567-018-0581-3
50. Retrospective evaluation of canine palpebral masses treated with debulking and cryotherapy: 46 cases. A Zibura, M Henriksen, A Rendahl, C Lim, C Reilly. **Veterinary Ophthalmology**, Epub 27 July 2018. doi:10.1111/vop.12585
51. Modifying school meal entrées to improve child legume intake. M Reicks, A Rendahl, et. al. **Health Behavior and Policy Review**, 2018;5(4):22-29. doi:10.14485/HBPR.5.4.3
52. Performance characteristics of the turbidometric ACL-TOP CTS 300 coagulation analyzer in dogs and cats. L Sharkey, K Little, K Williams, J Todd, R Richardson, A Gwynn, A Rendahl. **Journal of Veterinary Emergency and Critical Care**, Epub 14 June 2018. doi:10.1111/vec.12727
53. Detection of influenza A virus in aerosols of vaccinated and non-vaccinated pigs in a warm environment. V Neira, M Allerson, C Corzo, M Culhane, A Rendahl, M Torremorell. **PLOS ONE**, Epub 21 May 2018. doi:10.1371/journal.pone.0197600
54. Identification of conserved, primary sequence motifs that direct retrovirus RNA fate. G Singh, B Rife, B Seufzer, M Salemi, A Rendahl, K Boris-Lawrie. **Nucleic Acids Research**, Epub 26 May 2018. doi:10.1093/nar/gky369
55. Once Daily Oral Extended Release Hydrocodone as Analgesia Following Tibial Plateau Leveling Osteotomy in Dogs. A Heffernan, E Katz, Y Sun, A Rendahl, M Conzemius. **Veterinary Surgery**, Epub 9 April 2018. doi:10.1111/vsu.12792
56. Metabolic perturbations in Welsh Ponies with insulin dysregulation, obesity and laminitis. S Jacob, K Murray, A Rendahl, R Geor, N Schultz, M McCue. **Journal of Veterinary Internal Medicine**, Epub 23 Mar 2018. doi:10.1111/jvim.15095

## 2017 publication dates

57. Impacts of a Vegetable Cooking Skills Program among Low Income Parents and Children. F Overcash, A Ritter, T Mann, E Mykerezzi, J Redden, A Rendahl, Z Vickers, M Reicks. **Journal of Nutrition Education and Behavior**, Epub 12 Dec 2017. doi:10.1016/j.jneb.2017.10.016
58. Predictors of Outcome in Conservative and Minimally Invasive Surgical Management of Pain Originating from the Sacroiliac Joint: A Pooled Analysis. J Dengler, B Duhon, P Whang, C Frank, J Glaser, B Stuesson, S Garfin, D Cher, A Rendahl, D Polly. **Spine**, 42(21):1664–1673, Epub 1 Nov 2017. doi:10.1097/BRS.00000000000002169

59. Subcutaneous administration of ciclosporin in 11 allergic cats – A pilot open-label uncontrolled clinical trial. S Koch, S Torres, S Diaz, S Gilbert, A Rendahl. **Veterinary Dermatology**, Epub 25 Oct 2017. doi:10.1111/vde.12505
60. Quantifying weathering on variable rocks, an extension of geochemical mass balance. B Fisher, A Rendahl, A Aufdenkampe, K Yoo. **Earth Surface Processes and Landforms**, Epub 6 Sep 2017. doi:10.1002/esp.4212
61. A pilot study evaluating the prognostic utility of platelet indices in dogs with septic peritonitis. E Llewellyn, J Todd, L Sharkey, A Rendahl. **Journal of Veterinary Emergency and Critical Care** 27(5):569–578. Epub 27 Jul 2017. doi:10.1111/vec.12628
62. The basal translation rate of authentic HIV-1 RNA is regulated by 5'UTR nt-pairings at junction of R and U5. I Boeras, B Seufzer, S Brady A Rendahl, X Heng, K Boris-Lawrie. **Scientific Reports** 7:6902, Epub 31 Jul 2017. doi:10.1038/s41598-017-06883-9
63. Examining the feasibility of implementing behavioral economics strategies that encourage home dinner vegetable consumption among low-income children. T Leak, A Swenson, A Rendahl, Z Vickers, E Mykerezi, J Redden, T Mann, M Reicks. **Public Health Nutrition**, 2017 20:8, 1388–1392, Epub 15 Mar 2017. doi:10.1017/S1368980017000131
64. DNMI mutation status, sex, and sterilization status of a cohort of Labrador retrievers with and without cranial cruciate ligament rupture. K Ekenstedt, K Minor, A Rendahl, M Conzemius. **Canine Genetics and Epidemiology**, 2017 4:2, Epub 2 Feb 2017. doi:10.1186/s40575-017-0041-9
65. Assessment of eosinophil peroxidase as a diagnostic and prognostic marker in dogs with inflammatory bowel disease. I Bastan, N Robinson, X Na Ge, A Rendahl, S Rao, R Washabau, P Sriramarao. **American Journal of Veterinary Research**, 2017 Jan;78(1):36-41. doi:10.2460/ajvr.78.1.36

## 2016 publication dates

66. Serotypes and antimicrobial resistance in *Salmonella enterica* recovered from clinical samples from cattle and swine in Minnesota, 2006 to 2015. S Hong, A Rovira, P Davies, C Ahlstrom, P Muellner, A Rendahl, K Olsen, J Bender, S Wells, A Perez, J Alvarez. **PLOS ONE**, Epub 9 Dec 2016. doi:10.1371/journal.pone.0168016
67. Central Nervous System Injury – A Newly Observed Bystander Effect of Radiation. C Feiock, M Yagi, A Maidman, A Rendahl, S Hui, D Seelig. **PLOS ONE**, Epub 30 Sep 2016. doi:10.1371/journal.pone.0163233
68. *Pythium*, *Phytophthora*, and *Phytophthium* spp. isolated from Minnesota soybean fields, their relative aggressiveness to soybean and corn, and their sensitivity to seed treatment fungicides. L Radmer, G Anderson, D Malvick, A Rendahl, A Mallik, and JE Kurl. **Plant Disease**, Epub 10 Aug 2016. doi:10.1094/PDIS-02-16-0196-RE
69. Identifying base temperature for alfalfa germination: Implications for frost seeding. J Jungers, M Brakker, A Rendahl, C Sheaffer. **Crop Science**, Epub 24 Jun 2016. doi:10.2135/cropsci2016.02.0109
70. Can immunosuppressive therapy facilitate the diagnosis and affect the clinical signs of canine scabies? A retrospective study of 79 cases. C Souza, S Torres, S Koch, A Rendahl, G Verocai. **Veterinary Dermatology**, Epub 24 Apr 2016. doi:10.1111/vde.12312
71. Serum Beta Hydroxybutyrate in cats with chronic kidney disease, hyperthyroidism, and hepatic lipidosis. L Gorman, LC Sharkey, PJ Armstrong, K Little, A Rendahl. **Journal of Veterinary Internal Medicine**, Epub 15 Jan 2016. doi:10.1111/jvim.13826
72. Proteome scale-protein turnover analysis using high resolution mass spectrometric data from stable-isotope labeled plants. K Fan, A Rendahl, W Chen, D Freund, W Gray, J Cohen, A Hegeman. **Journal of Proteome Research**, Epub 11 Jan 2016. doi:10.1021/acs.jproteome.5b00772
73. Characterization of Viral Load, Viability and Persistence of Influenza A Virus in Air and on Surfaces of Swine Production Facilities. V Neira, P Rabinowitz, A Rendahl, B Paccha, S Gibbs, M Torremorell. **PLOS ONE** 11(1): e0146616. Epub 12 Jan 2016. doi:10.1371/journal.pone.0146616



## 2015 publication dates

74. External skeletal fixator intramedullary pin tie-in for the repair of tibiotarsal fractures in raptors: 37 cases (1995–2011). Irene Bueno Padillo, Aaron Rendahl, Patrick Redig. **Journal of the American Veterinary Medical Association**, Vol 247, No. 10, 15 Nov 2015. doi:10.2460/javma.247.10.1154
75. Closing the Loop: Evidence-based refinements to an admissions process. Laura Molgaard, Margaret Root Kustritz, and Aaron Rendahl. **Journal of Veterinary Medical Education**, Volume 42 No. 3, Fall 2015. doi:10.3138/jvme.0315-045R
76. Blood and Cerebrospinal Fluid  $\alpha$ -Tocopherol and Selenium Concentrations in Neonatal Foals with Neuroaxonal Dystrophy. Finno, C.J., Estell, K.E., Katzman, S., Winfield, L., Rendahl, A., Textor, J., Bannasch, D.L. and Puschner, B. **Journal of Veterinary Internal Medicine**. Epub 22 Sep 2015. doi:10.1111/jvim.13618
77. Estimation of actual and ideal bodyweight using morphometric measurements and owner guessed bodyweight of adult draft and warmblood horses. Devan Catalano, Robert J Coleman, Marcia R Hathaway, Molly E McCue, Aaron K Rendahl. **Journal of Equine Veterinary Science**, 39:38–43. Epub 9 Sep 2015. doi:10.1016/j.jevs.2015.09.002
78. Testing the Effectiveness of In-Home Behavioral Economics Strategies to Increase Vegetable Intake, Liking, and Variety Among Children Residing in Households That Receive Food Assistance. Tashara M Leak, Alison Swenson, Zata Vickers, Traci Mann, Elton Mykerezi, Joseph P Redden, Aaron Rendahl, Marla Reicks. **Journal of Nutrition Education and Behavior** March–April 2015; 47(2):e1–e9. Epub 6 Mar 2015. doi:10.1016/j.jneb.2014.12.006

## 2014 publication dates

79. Field evaluation of a quantitative polymerase chain reaction assay for *Mycoplasma hyorhinis*. Maria J. Clavijo, Simone Oliveira, Jeffrey Zimmerman, Aaron Rendahl, Albert Rovira. **Journal of Veterinary Diagnostic Investigation**, 2014 26: 755–760. Epub 15 Oct 2014. doi:10.1177/1040638714555175
80. Associations between eating occasion characteristics and age, gender, presence of children and BMI among U.S. adults. Marla Reicks, Dennis Degeneffe, Aaron Rendahl, et.al. **Journal of the American College of Nutrition**, 2014;33(4):315–27. Epub 20 Aug 2014. doi:10.1080/07315724.2014.887485
81. A longitudinal comparison of two salt reduction strategies: acceptability of a low sodium food depends on the consumer. Nuala Bobowski, Aaron Rendahl, Zata Vickers. **Food Quality & Preference**, Mar 2015; 40B:270–278. Epub 12 Aug 2014. doi:10.1016/j.foodqual.2014.07.019
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83. Intra-farm risk factors for *Mycoplasma hyopneumoniae* colonization at weaning age. M Pieters, GS Cline, BJ Payne, C Prado, JR Ertl, AK Rendahl. **Veterinary Microbiology**, 27 Aug 2014;172(3-4):575–80. Epub 4 Jun 2014. doi:10.1016/j.vetmic.2014.05.027
84. Estimation of body weight and development of a body weight score for adult equids using morphometric measurements. KL Martinson, RC Coleman, AK Rendahl, Z Fang, ME McCue. **Journal of Animal Science**, May 2014;92(5):2230–38. Epub 18 Mar 2014. doi:10.2527/jas.2013-6689
85. Genetic risk factors for insidious equine recurrent uveitis in Appaloosa horses. KL Fritz, HJ Kaese, SJ Valberg, JA Hendrickson, AK Rendahl, RR Bellone, KM Dynes, ML Wagner, MA Lucio, FM Cuomo, CL Brinkmeyer-Langford, LC Skow, JR Mickelson, MS Rutherford, and ME McCue. **Animal Genetics**, 45:392–399. Epub 28 Jan 2014. doi:10.1111/age.12129
86. Platelet count and plateletcrit in Cavalier King Charles Spaniels and Greyhounds using the Advia 120/2120. Jessica Kelley, Leslie C Sharkey, Pete W Christopherson, Aaron Rendahl. **Veterinary Clinical Pathology**, Mar 2014;43(1):43–49. Epub 21 Jan 2014. doi:10.1111/vcp.12116

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92. Genetic mapping of recurrent exertional rhabdomyolysis in a population of North American Thoroughbreds. Fritz KL, McCue ME, Valberg SJ, Rendahl AK, Mickelson JR. *Animal Genetics*, 23 Mar 2012. doi:10.1111/j.1365-2052.2012.02351.x
93. Frequency of urinary tract infection in dogs with inflammatory skin disorders treated with ciclosporin alone or in combination with glucocorticoid therapy: A retrospective study. Andrea L. Peterson; Sheila M.F. Torres; Aaron Rendahl; Sandra N. Koch. *Veterinary Dermatology* 2012; 23(3):201-e43, 12 Mar 2012. doi:10.1111/j.1365-3164.2012.01044.x
94. Comparison of Student Self-Assessment with Faculty Assessment of Clinical Competence. Margaret V. Root Kustritz, Laura K. Molgaard, Aaron Rendahl. *Journal of Veterinary Medical Education*, Summer 2011, 38(2):163–170. doi:10.3138/jvme.38.2.163
95. Genome-wide association analysis of osteochondrosis of the tibotarsal joint in Norwegian Standardbred trotters. S. Lykkjen, N.I. Dolvik, M.E. McCue, A.K. Rendahl, J.R. Mickelson, K.H. Roed. *Animal Genetics*, December 2010, 41 Suppl 2: 111–120. doi:10.1111/j.1365-2052.2010.02117.x
96. Responses of Spring Wheat and Soybean to Subsurface Drainage in Northwest Minnesota. Wiersma, J.J., Sands, G.R., Kandel, H.J., Rendahl, A.K., Jin, C.X., Hansen, B.J. *Agronomy Journal*, September 2010, 102(5):1399–1406. doi:10.2134/agronj2010.0055
97. Comparative studies on bull and stallion seminal DNase activity and interaction with semen extender and spermatozoa. Abdorrahman S. Alghamdi, Bethany J. Funnell, Scott L. Bird, G. Cliff Lamb, Aaron K. Rendahl, Patrick C. Taube and Douglas N. Foster. *Animal Reproduction Science*, September 2010, 121(3–4):249–258. doi:10.1016/j.anireprosci.2010.06.003
98. Measuring the turnover rates of Arabidopsis proteins using deuterium oxide: an auxin signaling case study. Yang, X.-Y., Chen, W.-P., Rendahl, A.K., Hegeman, A.D., Gray, W.M. and Cohen, J.D. *The Plant Journal*, August 2010, 63(4):680–695. doi:10.1111/j.1365-313X.2010.04266.x
99. Species specific interaction of seminal plasma on sperm-neutrophil binding. Abdorrahman S. Alghamdi, Bethany J. Lovaas, Scott L. Bird, G. Cliff Lamb, Aaron K. Rendahl, Patrick C. Taube, Douglas N. Foster. *Animal Reproduction Science*, September 2009, 114(4):331–344. doi:10.1016/j.anireprosci.2008.10.015

100. Experimental Support for *Multiple-Locus* Complementary Sex Determination in the Parasitoid *Cotesia vestalis*. Jetske G. de Boer, Paul J. Ode, Aaron K. Rendahl, Louise E.M. Vet, James B. Whitfield, & George E. Heimpel. **Genetics**, November 2008, 180(3):1525–1535. doi:10.1534/genetics.107.083907

## Additional Publications

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- Research Quality and Reproducibility, Data Analysis and Interpretation Module. An on-line course by Epigeum. Published 1 Oct 2018. [https://researchskills.epigeum.com/courses/researchskills/index.php?course\\_id=1432](https://researchskills.epigeum.com/courses/researchskills/index.php?course_id=1432)
- Using the Common Language Effect Size in Sample Size Conversations. Aaron Rendahl. **The Statistical Consultant**, newsletter of the ASA Section on Statistical Consulting. Summer 2015, Vol. 31, No. 1. Available at <https://community.amstat.org/cnsl/documents/communications>.

## Talks/Posters/Proceedings

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### As primary presenter

1. Ethical Statistics throughout the Research Lifecycle: It's not just about sample size! **University of Minnesota Research Ethics Week**, 4 Mar 2021.
2. A practitioner's guide to research studies: Analyzing Data. **Leman Swine Conference**, 15 Sep 2018.
3. Stories and Lessons from a University Statistical Consulting Center. Aaron Rendahl. **Invited Talk, Twin Cities American Statistical Association Fall Conference**, 3 Oct 2016.
4. Training and Evaluating New Student Consultants at a University Consulting Center. **Conference for Statistical Practice**. Feb 19–21, 2015, New Orleans, LA, PS1(5).
5. Experimental Design and Statistical Analysis: Questions to Consider as You Write Your Grant. University of Minnesota College of Veterinary Medicine, May 27, 2010.
6. Wasp Sex: Using the Likelihood Ratio Test to Compare Models of Sex Determination in *C. vestalis*. Gustavus Adolphus College Mathematics Department Seminar, November 14, 2007.

### Collaborative Posters/Proceedings

1. Expression and Prognostic Value of Receptor c-Met in Canine Malignant Melanoma. K Koo, A Wuenschmann, A Rendahl, KY Song, A Wolf-Ringwall, A Borgatti, A Giubellino. **ACVIM 2021**.
2. Public views of dairy calf welfare and dairy consumption habits of American youth and adults. R Perttu, B Ventura, A Rendahl, M Endres. **WAFL 2021**.
3. Nephroureterolithiasis in Dog Breeds Predisposed to Calcium Oxalate Urolithiasis. A Hoelmer, J Lulich, AK Rendahl, E Furrow. **ACVIM 2021**.
4. Detection of influenza A virus in pig farm workers. G Lopez Moreno, P Davies, M Yang, M Culhane, C Corzo, A Rendahl, M Torremorell. **AASV 2021**.
5. Prognostic Utility of Computed Tomography Radiomic Features for Canine Lung Tumors: An Analytical Study. H Able, A Wolf-Ringwall, A Rendahl, C Ober, D Seelig, C Wilke, J Lawrence. **American College of Veterinary Internal Medicine**, June 11–13, 2020.
6. Maximizing Reproducibility Of Osteoarthritis Grading In Mice Through A Comparison Of Grading Schemes. A Armstrong, R Loeser, A Rendahl, C Carlson. **Orthopaedic Research Society**, February 8-11, 2020.
7. Comparison of Semi-Cylindrical Recession Trochleoplasty and Trochlear Block Recession for the Treatment of Canine Medial Patellar Luxation: A Pilot Study. CL Blackford Winders, M Daubert, A Rendahl, M Conzemius. **Veterinary Orthopedic Society Conference**, February 1-8, 2020.

8. Virulence-associated gene profiling of *Streptococcus suis* in the United States. A Estrada, M Gottschalk, A Rendahl, C Gebhart, D Marthaler. **Conference of Research Workers in Animal Disease**, November 2–5, 2019.
9. Serotyping and Multilocus Sequence Typing as approaches for predicting pathotype of *Streptococcus suis* in the U.S. A Estrada, M Gottschalk, A Rendahl, S Rossow, C Gebhart, D Marthaler. **Conference of Research Workers in Animal Disease**, November 2–5, 2019.
10. A Retrospective Comparison of the Blastomycosis Urine Antigen Concentration and Radiographic Findings as Predictors of Survival. L Motschenbacher, N Patterson, K Anderson, E Nell, L Merkel, E Furrow, A Rendahl. **American College of Veterinary Internal Medicine (ACVIM)**, June 6–8, 2019.
11. Composition of the Developing Human Meniscus. M Tompkins, et. al. **International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine (ISAKOS)**, May 12–16, 2019.
12. Complications and Outcomes of Multi-Institution Transvenous Pacemaker Implantation. C Whipp, C Stauthammer, L Visser, K Flynn, H Kellihan, W Byun, R Sanders, A Rendahl. **American College of Veterinary Internal Medicine (ACVIM)**, June 10–16, 2018.
13. Comparison of Immediate versus Delayed Streak Plate Inoculation of Urine Bacterial Culture and Sensitivity Testing. E Coffey, K Little, D Seelig, A Rendahl, J Granick. **American College of Veterinary Internal Medicine (ACVIM)**, June 10–16, 2018.
14. Treatment of Pulmonary Hypertension with Sildenafil Monotherapy versus Combination Therapy with Sildenafil and Pimobendan. A Pinkos, C Stauthammer, E Frantz, A Rendahl. **American College of Veterinary Internal Medicine (ACVIM)**, June 10–16, 2018.
15. Cellularity and Vascularity of the Developing Human Meniscus. W Fedje-Johnston, C Carlson, F Toth, K Shea, L Harper, M White, A Rendahl, M Tompkins. **Orthopaedic Research Society**, Mar 10–13, 2018.
16. Analysis of Meniscal Vascularity on Children. W Fedje-Johnston, A Rendahl, et al. **Pediatric Research in Sports Medicine Society**, Jan 25–27, 2018.
17. Stable isotopic labeling of intact plants for molecular turnover measurement by mass spectrometry: new labeling apparatus and data processing approaches. D Freund, C Peters, A Rendahl, E Evans, J Cohen, A Hegeman. **Phenome**. February 10–14, 2017.
18. A new statistical model to find bedrock, a prequel to geochemical mass balance. B Fisher, AK Rendahl, AK Aufdenkampe, K Yoo. **American Geophysical Union (AGU)**, December 12–16, 2016.
19. Stable isotopic labeling of intact plants for molecular turnover measurement by HRMS: new labeling apparatus and data processing approaches. C Peters, D Freund, A Rendahl, J Cohen, A Hegeman. **American Society for Mass Spectrometry**. June 5–9, 2016.
20. Can immunosuppressive therapy facilitate the diagnosis and affect the clinical signs of canine scabies? A retrospective study of 79 cases seen at a tertiary referral institution. C. Souza, S. Torres, S. Koch, A. Rendahl, G. Verocai. **World Congress of Veterinary Dermatology**. May 31–June 4, 2016.
21. Satiety Effects of Lentils in a Calorie Matched Fruit Smoothie. J Erickson, A Rendahl, J Slavin. **Experimental Biology**, Apr 2–6, 2016.
22. Estimation of actual and ideal bodyweight for adult draft and warmblood horse breeds using morphometric measurements. DN Catalano, RJ Coleman, MR Hathaway, ME McCue, AK Rendahl, AM Hansen, KL Martinson. 2015. Proceedings of the 2015 **Equine Science Society Symposium**. *Journal of Equine Veterinary Science*. 35: 423–424, May 2015. doi:10.1016/j.jevs.2015.03.105
23. Demographics, body condition scores and owner bodyweight estimations of adult draft and warmblood horse breeds. AM Hansen, DN Catalano, RJ Coleman, MR Hathaway, ME McCue, AK Rendahl, KL Martinson. 2015. Proceedings of the 2015 **Equine Science Society Symposium**. *Journal of Equine Veterinary Science*. 35: 389, May 2015. doi:10.1016/j.jevs.2015.03.024
24. The over-conditioned horse: incidence and educational opportunities. KL Martinson, RJ Coleman, AK Rendahl, ME McCue. Proceedings of the 2013 **Equine Science Society Symposium**. *Journal of Equine Veterinary Science*, Volume 33, Issue 5, Pages 366–367, May 2013. doi:10.1016/j.jevs.2013.03.107
25. Role Of Coat Color Genotypes In Risk and Severity Of Melanoma In Gray Quarter Horses. Raffaella Teixeira, Aaron Rendahl, Shea Anderson, James Mickelson, Dennis Sigler, Benjamin Buchananen, Robert Coleman, Molly McCue. **Plant & Animal Genome XXI**, January 11–16, 2013, San Diego, CA, W260.
26. Selection, Development and Assessment of Professional Competencies. Laura Molgaard, DVM, Margaret Root Kustritz, DVM, PhD, DACT, Aaron Rendahl, PhD. Poster presentation at the **American Veterinary Medical Association Annual Convention**, San Diego, August 3–7, 2012.

27. Estimation of ideal body weight in horses and ponies using morphometric measurements. Martinson, K., R. Coleman, J. Earing, A. Rendahl, and M. McCue. Presented at the **Animal Science Meetings** in Phoenix AZ in July 2012. Abstract in *J. of Anim. Sci.* Vol. 90, Suppl. 3; pg. 413.
28. Identification of Ancestry Informative Markers in the Domestic Horse. Jessica Petersen, Aaron K. Rendahl, Equine Genetic Diversity Consortium, Molly McCue. **Plant & Animal Genome XX**, January 14–18, 2012, San Diego, CA, P0212.
29. Plateletcrit as a measure of platelet mass in Cavalier King Charles Spaniels and Greyhounds. Kelley J, Sharkey LC, Christopherson PW, Rendahl A. 2011 **American Society for Veterinary Clinical Pathology Annual Meeting**, Nashville, TN, Dec 3–7, 2011.
30. A genome-wide association study (GWAS) identifies ECA13p as a candidate region for impaired acrosomal exocytosis (IAE) in Thoroughbred stallions. Raudsepp, T., McCue, M.E., Das, P.J., Dobson, L., Vishnoi, M., Fritz, K.L., Schaefer, R., Rendahl, A.K., Brinko, S.P., Love, C.C., Mickelson, J.R., Chowdhary, B.P., Varner, D.D. 2011. The 9th Dorothy Russell Havemeyer Foundation **International Equine Genome Mapping Workshop**, Minneapolis, Minnesota, July 27–29, 2011, p. 6.
31. Fine Structure Mapping Of Recurrent Exertional Rhabdomyolysis In Thoroughbred Horses. Fritz, McCue, Valberg, Rendahl, Lucio, and Mickelson. **Plant & Animal Genome XIX**, January 15–19, 2011, San Diego, CA, USA, P618.
32. Genome-wide association studies and gene expression profiling in Thoroughbred stallions with acrosomal dysfunction. Raudsepp, T., McCue, M.E., Das, P.J., Vishnoi, M., Fritz, K.L., Schaefer, R., Rendahl, A.K., Brinko, S.P., Love, C.C., Mickelson, J.R., Chowdhary, B.P., Varner, D.D. 2011. **Plant & Animal Genome XIX**, January 15–19, 2011, San Diego, CA, USA, W207.
33. The Influence Of Multiple Genetic Risk Factors In Equine Recurrent Uveitis. Fritz, Hendrickson, Kaese, Rendahl, Bellone, Dynes, Wagner, Lucio, Cuomo, Brinkmeyer-Langford, Skow, Valberg, Mickelson, Rutherford, and McCue **Plant & Animal Genome XIX**, January 15–19, 2011, San Diego, CA, USA, W205.
34. Quantitative trait loci associated with osteochondrosis in Standardbred trotters. Sigrid Lykkjen, Nils I. Dolvik, Molly E. McCue, Aaron K. Rendahl, James R. Mickelson, Knut H. Røed. **International Society for Animal Genetics**, July 26–30, 2010.
35. Improved methodology for stable isotope labeling and LC-MS/MS analysis for proteomic scale measurement of protein turnover in plants. Wen-Ping Chen, Xiaoyuan Yang, Peng Yu, Adrian D. Hegeman, Aaron K. Rendahl, Thomas F. McGowan, Shahar Journou; William M. Gray, Jerry D. Cohen. **ASMS Conference on Mass Spectrometry**, May 23–27, 2010.
36. Whole Genome Association Mapping Of Recurrent Exertional Rhabdomyolysis In Thoroughbred Horses. Krista L. Fritz, James R. Mickelson, Molly E. McCue, Aaron K. Rendahl, Michelle A. Lucio, Stephanie J. Valberg. **Plant & Animal Genome XVIII**, January 9–13, 2010, P620.
37. Genome-Wide Association Analyses For Susceptibility To Osteochondrosis Dissecans (OCD) In Standardbred Trotters. Jessica L. Petersen, Aaron K. Rendahl, James R. Mickelson, Sarah L. Ralston, Molly E. McCue. **Plant & Animal Genome XVIII**, January 9–13, 2010, P622.
38. Skeletal Muscle Gene Expression In Horses With Type 1 Polysaccharide Storage Myopathy. Shea M. Anderson, Aaron K. Rendahl, Ashley Gustafson-Seabury, Priyanka Kachroo, Bhanu P. Chowdhary, Nichol M. Schultz, Stephanie J. Valberg, James R. Mickelson, Molly E. McCue. **Plant & Animal Genome XVIII**, January 9–13, 2010, P626.
39. High-throughput measurement of protein turnover in plants using stable isotope labeling coupled with LC-MS/MS analysis. Wen-Ping Chen, Xiao-Yuan Yang, Aaron K Rendahl, Thomas F McGowan, Sanford Weisberg, Adrian D Hegeman, William M Gray, Jerry D Cohen. Joint Annual Meetings of the **American Society of Plant Biologists and the Phycological Society of America**, July 18–22, 2009.

## Mentoring and Advising

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### Faculty Mentoring Committees

Ferenc Toth, K-R01, Mar 2021 –  
Steve Friedenber, KL2, Sep 2018 – Mar 2019

### Teaching Assistants

Jonah Cullen, Fall 2020, CMB/VMED 5915

### Graduate Committees

Rielle Swanson, Animal Science PhD; June 2020 –  
Sara Kleba, Food Science PhD; July 2019 –  
Kevin Murray, BICB MS; 2018 – 2019  
Eliana Paladino, Veterinary Medicine MS; 2019 (did not finish)  
Joshua Zeltwanger, Animal Science MS, 2017 – 2018  
Shivdeep Singh Hayer, Veterinary Medicine PhD; Sep 2016 – Aug 2019  
Raffa Teixeira, Veterinary Medicine PhD, Mar 2014  
Ashley Reichard, Natural Resources Sci/Mgmt MS, Aug 2020  
Sophia Kim, Food Science MS, July 2016  
Kedong Chen, Business Admin PhD, Apr 2016  
Lian Lian, Applied Plant Sciences PhD, July 2014  
Tashara Leak, Nutrition PhD, Sep 2013  
Nuala Bobowski, Food Science, Feb 2012  
Sara Sjoberg, Nutrition PhD, Nov 2011

## Statistics Department Advising:

### Statistics Masters Advisees

Yi Liu, May 2018	Yuting Sun, August 2014
Yin-Ting Chou, May 2017	Nirui Kang, May 2014
Pu Ke, January 2016	Lian Hortensius, May 2014
Kedong Chen, November 2015	Lijun (Terence) Qin, February 2014
Menglin Cui, August 2015	Monica Patrin, December 2013
Lei Shi, August 2015	Yufeng Chang, October 2013
Logan Sullivan, May 2015	Jennifer Carolan, September 2013
Yu Wang, May 2015	Tianbi Men, June 2013
Chaitali Phadke, April 2015	Xiaoqian Zhao, May 2013
Yihan Yang, December 2014	Xinling Xu, May 2013
Xiao Zhong, October 2014	Ange Pang, December 2012
Yangfan Qin, September 2014	Zhou Fang, December 2012
Ji Eun Lee, September 2014	Yingliang Zheng, July 2012
Qi Shi, August 2014	Jing Yang, August 2011

Theses available at <http://www.stat.umn.edu/~rend0020/MSstudents>.

**Statistical Consulting Center Student Consultants**

2008–2009: Julia Molony  
Fall 2008: Tim Trudell  
2009–2010: Mark Holland  
2010–2011: Michael Soma  
2011–2012: Pat Zimmerman  
2012–2013: Christina Knudson

2013–2014: Martin Bezener  
Fall 2014: Lindsey Dietz  
Spring 2015: Felipe Acosta  
Fall 2015: Abhirup Mallik  
Spring 2016: Dan Eck  
Fall 2016: Yiwen Sun

**Statistics MS Committees**

Jeff Moulton, Jun 2016  
Seong Kwan Lyu, Dec 2015  
Zixiang Su, Oct 2015  
Qimeng Chen, Sep 2015  
Qiao Gu, Aug 2015  
Qian Su, Jun 2014  
Lin Chen, May 2014  
Jing Li, Apr 2014

Jing Liu, May 2013  
Xiaoyi Zhu, Apr 2013  
Jingnan Zhang, Mar 2013  
Steve Nydick, Apr 2011  
Sicong Wang, Mar 2011  
Chunpu Song, Feb 2011  
Jingzhe Xu, Oct 2008

**Statistics BA Senior Papers**

Mark Coates, Fall 2009  
Marta Merzi, Fall 2009  
Travis Buckingham, Fall 2008