

Curriculum Vitae Rüdiger Hauck

Personal Information

Ruediger Hauck, DVM, Ph.D.
Associate Professor
Pathobiology and Poultry Science
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Diplomate of the European College of Poultry Veterinary Science
Certified Veterinary Poultry Specialist (Veterinary Chamber Berlin)
Certified Veterinary Microbiology Specialist (Veterinary Chamber Berlin)

Education and Training

2013	Habilitation	Poultry Diseases	Freie Universität Berlin
2004	Ph.D.	Veterinary Medicine	Freie Universität Berlin
2002	DVM		Freie Universität Berlin

Research and Professional Experience

2023 - present	Associate Professor at Auburn University with a shared appointment at the Department of Pathobiology and the Department of Poultry Science
2017 to 2023	Assistant Professor at Auburn University with a shared appointment at the Department of Pathobiology and the Department of Poultry Science
2015 – 2017	Postdoctoral scholar at the School of Veterinary Medicine, University of California, Davis
2013 – 2015	Member of the team “Antimicrobial Resistance” at the Federal Office for Consumer Protection and Food Safety
2008 – 2013	Postdoctoral scholar at the Institute of Poultry Diseases, Department of Veterinary Medicine, Freie Universität Berlin
2007 – 2008	Postdoctoral scholar at the Poultry Diagnostic and Research Center, University of Georgia
2006 – 2007	Postdoctoral scholar at the Department of Poultry Science, University of Georgia

Collaborations & Affiliations

- 2025 – present Associate editor Avian Diseases
- 2024 – present Section editor Journal of Applied Poultry Research
- 2023 - 2024 Associate editor Frontiers in Veterinary Science
- 2017 - present Member of the American Veterinary Medical Association
- 2014 - 2025 Member of the Reviewers Board of Avian Diseases
- 2011 - present Diplomate of the European College of Poultry Veterinary Science
At present board member
- 2008 - present Member of the American Association of Avian Pathologists
At present chair of the Enteric Health Committee
- 2004 – present Member of the World Veterinary Poultry Association
- 2004 – 2017 Member of the German Veterinary Society

Summary of publications

- 99 publications in peer reviewed scientific journals
- 128 publications in proceedings of scientific meetings
- 13 book chapters and 1 book
- 12 publications in non peer-reviewed journals
- 76 oral presentations at scientific and professional meetings

Publications in peer-reviewed journals listed in the Science Citation Index

1. Terra-Long MT, Pietruska A, Gulizia JP, True T, Butler J, McCrea BA, Pacheco WJ, Bourassa DV, Hauck R (2025): Effect of Supplementation with *Artemisia absinthium* or Pumpkin Seed Powder on *Ascaridia galli* Worm Burdens, Productivity, Nutrient Digestibility, and Cytokine Gene Expression in Laying Hens. *Avian Diseases*: 69 (1): 74–81.
2. Hernandez JR, Gulizia JP, Vargas JI, Guzman EG, Rochell SJ, Hauck R, Remus JC, Pacheco WJ (2025): Effect of feed form, energy level, and conditioning temperature on broiler performance, feed wastage, and nutrient digestibility from 1 to 21 days of age. *Journal of Applied Poultry Science*: accepted.
3. Khalid Z, Álvarez-Narváez S, Harrell T, Chowdhury EU, Conrad SJ, Hauck R (2025): Viral Heterogeneity in an Avian Reovirus Isolate Despite Plaque Purification and Differences in Segment-Wise Abundance between Different Amplification and Purification Steps. *Avian Diseases*: accepted.
4. Ostrander KN, Day MS, Hauck R, Joiner KS, Gulsby WD (2025): Histomonosis and Lymphoproliferative Disease Virus in Male Wild Turkeys (*Meleagris gallopavo*) in Alabama, USA. *Journal of Wildlife Diseases*: accepted.
5. Khalid Z, Hauck R (2025): Molecular Responses to Avian Reovirus Inoculation in Vitro. *Viruses*: 17(11):1489.
6. Khalid Z, Fathima S, Hauck R (2025): Tissue-Specific Transcriptomic Responses to Avian Reovirus Inoculation in Ovo. *Viruses* 17(5):646.
7. Aderibigbe AS, McCafferty KW, Hauck R, Pacheco WJ, Philpot SC, Dozier III WA (2025). Response of broiler chickens vaccinated against coccidiosis to diets containing varying amino acid density and a nucleotide-rich extract during the pre-starter and starter periods. *Journal of Applied Poultry Research*: 34(4):100588.
8. Gulizia JP, Tabish RW, Vargas JI, Hernandez JR, Simões CT, Guzman EG, Rochell SJ, **Hauck R**, Bailey MA, Dozier III WA, McCafferty KW, Pacheco WJ (2025). Response of broilers subjected to an enteric challenge and fed diets with varying limestone particle sizes and calcium concentrations—part 1: performance, tibia mineralization, and nutrient digestibility. *Poultry Science*: 104(8):105385.
9. Gulizia JP, Khalid Z, Terra-Long MT, Vargas JI, Hernandez JR, Pacheco WJ, Krehling JT, Macklin KS, Dozier WA 3rd, McCafferty KW, **Hauck R** (2025). Response of YPM x Ross 708 male broilers to diets containing varying inclusions of phytase, calcium butyrate, and bacitracin methylene disalicylate during the grower and finisher periods-part 2: Intestinal health and physiology. *Poultry Science* 104(3): 104862.
10. Pietruska A, Macklin KS, Wang X, Krehling JT, Dormitorio T and **Hauck R** (2025). Investigation of Intestinal Health in Broiler Chickens Following *Salmonella Typhimurium* and

Coccidiosis Vaccination and Challenge with Salmonella Typhimurium. *The Journal of Poultry Science*: 7:62:2025009.

11. Gulizia JP, Terra-Long MT, Khalid Z, Vargas JI, Bonilla SM, Hernandez JR, Thuekeaw S, **Hauck R**, Macklin KS, Dozier III WA, McCafferty KW, Pacheco WJ (2024). Response of YPM x Ross 708 male broilers to diets containing varying inclusions of phytase, calcium butyrate, and bacitracin methylene disalicylate from 1 to 42 d of age—part 1: performance, processing yields, and nutrient digestibility. *Poultry Science* 103(12): 104350.
12. Bartol FF, Criado MF, **Hauck R**, Kyriakis C, Toro H, van Santen VL, Johnson CM (2024). Avian health and virology at Auburn University. *American Journal of Veterinary Research* 85(12): ajvr.24.10.0292.
13. Lopes TSB, Nankemann J, Breedlove C, Pietruska A, Espejo R, Cuadrado C, **Hauck R** (2024): Changes in the transcriptome profile in young chickens after infection with LaSota Newcastle disease virus. *Vaccines*: 2(6):592.
14. Macklin KS, **Hauck R** (2023): Vaccination against poultry parasites. *Avian Diseases* 67(4): 441-449.
15. Escobar C, Munoz LR, Bailey MA, Krehling JT, Pacheco WJ, **Hauck R**, Buhr RJ, Macklin KS (2023): Buffering Capacity Comparison of Tris Phosphate Carbonate and Buffered Peptone Water Salmonella Pre-Enrichments for Manufactured Feed and Feed Ingredients. *Animals*: 13(19):3119.
16. Barua S, Bailey M., Zhong K, Iduu Nneka, Dormitorio T, Macklin KS, Bourassa D, Price S, **Hauck R**, Krehling JT, Kitchens S, Kyriakis C, Buhr RH, Wang C (2023): Research Note: Role of darkling beetles (*Alphitobius diaperinus*) and litter in spreading and maintaining *Salmonella* Enteritidis and *Campylobacter jejuni* in chicken flocks. *Poultry Science*: 102(11):103061.
17. Alvarez Narvaez S, Harrell TL, Oluwayinka O, Sellers HS, Khalid Z, **Hauck R**, Chowdhury EU, Conrad SJ (2023): Optimizing the conditions for whole genome sequencing of avian reoviruses. *Viruses*: 15(9):1938.
18. Terra MT, Macklin KS, Burleson M, Jeon A, Beckmann JF, **Hauck, R** (2023): Mapping the poultry insectome in and around broiler breeder pullet farms identifies new potential Dipteran vectors of *Histomonas meleagridis*. *Parasites & Vectors*: 16(1):244.
19. Pietruska A, Bortoluzzi C, **Hauck R** (2023): A meta-analysis of the effect of *Eimeria* and/or *Clostridium perfringens* infection on the microbiota of broiler chickens. *Poultry Science*: 102(6):102652.
20. Munoz LR, Paul MA, Bailey MA, Krehling JT, **Hauck R**, Pacheco WJ, Chasteen KS, Talorico AA, Escobar C, Pietruska A, Bourassa DV, Macklin KS (2023): Effect of yeast cell wall on performance, pathogen colonization, innate immune response, histomorphology, and slaughter characteristics of broiler chickens inoculated with *Campylobacter jejuni* at day 21. *Poultry Science*: 102(5):102609.

21. Riggs MR, **Hauck R**, Baker-Cook BI, Osborne RC, Pal AJ, Bethonico Terra MT, Sims G, Urruita A, Orellana-Galindo L, Reina M, Bourassa DV (2022): Meat quality of broiler chickens processed using electrical and controlled atmosphere stunning systems. *Poultry Science* 102: 102422.
22. Carrisosa M, Terra-Long MT, Cline J, Macklin KS, Dormitorio T, Wang C, **Hauck R** (2022): Multi-locus sequence typing of *Eimeria maxima* in commercial broiler flocks. *Avian Dis* 66: 389-395.
23. **Hauck R**, Eckert J, Hunter C (2022): Meta-analysis of the use of *Eimeria* lesion scores and oocyst counts in floor pen studies. *Avian Dis* 66: 381-388.
24. Terra MTB, Pietruska A, McCrea BA, **Hauck R** (2022): Infection with *Ascaridia galli* does not significantly alter intestinal microbiota and is cleared after changes in the expression of cytokines. *Avian Dis* 66: 186-192.
25. Nguyen V, Mete A, Armien A, da Silva AP, Montine P, Corsiglia C, Sadagopa Ramanujam VM, Anderson KE, **Hauck R**, Gallardo RA (2022): Porphyrin accumulation and biliary lithiasis causing diffusely black livers in broiler chickens. *Avian Dis* 66: 225-229.
26. Smith R, **Hauck R**, Macklin KS, Price S, Dormitorio T, Wang C (2022): A review of the lesser mealworm beetle (*Alphitobius diaperinus*) as a reservoir for zoonotic bacterial pathogens and antimicrobial resistance. *World's Poultry Science Journal* 78: 197-214
27. **Hauck R**, Pacheco WJ (2021): Detection of coccidia oocysts in litter and feces of broilers in a floor pen trial. *Journal of Parasitology* 107: 878-881.
28. Pietruska A, **Hauck R**, McCrea BA, Stewart S (2021): Analysis of information for backyard flock owners provided by extension websites. *Avian Diseases* 65: 540-545.
29. Beckmann JF, Dormitorio T, Oladipupo SO, Bethonico Terra MT, Lawrence K, Macklin KS, **Hauck R** (2021): *Heterakis gallinarum* and *Histomonas meleagridis* DNA persists in chicken houses years after depopulation. *Veterinary Parasitology* 2021 Oct; 298:109536.
30. da Silva AP, **Hauck R**, Nociti SRC, Kern C, Shivaprasad HL, Zhou H, Gallardo RA (2021): Molecular biology and pathological process of an infectious bronchitis virus with enteric tropism in commercial broilers. *Viruses* 13: 1477.
31. Carrisosa M, Jin S, McCrea BA, Macklin KS, Dormitorio T, **Hauck R** (2021): Prevalence of select intestinal parasites in Alabama backyard poultry flocks. *Animals*: 11: 939.
32. Bethonico Terra MT, Pacheco WJ, Harrison M, McCrea BA, **Hauck R** (2021): A survey of coccidia and nematodes in pastured poultry in the state of Georgia. *Avian Dis* 65: 250-256.
33. da Silva AP, Stoute S, **Hauck R**, Shivaprasad HL, Jerry C (2021): A Case Report of Avian Malaria (*Plasmodium* spp.) in a Small Flock of Pigeons (*Columba livia*). *Avian Dis*: accepted.

34. Eckert J, Carrisosa M, **Hauck R** (2021): Network meta-analysis comparing the effectiveness of anticoccidial drugs and anticoccidial vaccination in broiler chickens. *Vet Parasitol* 2021 Mar; 291:109387.
35. Munoz Romero L, Pacheco WJ, **Hauck R**, Macklin KS (2021): Evaluation of commercially manufactured animal feeds to determine presence of Salmonella, Escherichia coli and Clostridium perfringens. *J Appl Poult Sci* 30: 100142.
36. Ovi FK, Morey A, **Hauck R**, Grueber J, Pacheco WJ (2021): Effects of pre-pelleting whole corn inclusion on feed particle size, pellet quality, growth performance, carcass yield, and digestive organ development of broilers between 14 to 42 day of age. *J Appl Poult Sci* 30: 100113.
37. Chowdhury E, Roberts J, Walz H, **Hauck R**, Morey A, Morgan S, Joiner K, Cattley R, Sengupta S, Wilson F, Hoerr F (2021): Hepatic peri-sinusoidal myofibroblast proliferation and systemic inflammatory response precedes sep/tox hepatitis in broilers. *Avian Dis* 65:10-17.
38. Rodning S, **Hauck R**, Walz P H, Macklin K S, Norton R A (2020): The role of the veterinary profession in the COVID-19 pandemic. *Journal Am Vet Ass* 256: 1318-1319. [non-peer reviewed letter to the editor]
39. **Hauck R**, Stoute S, Senties-Cué C G, Guy J S, Shivaprasad H L (2020): A Retrospective Study of Transmissible Viral Proventriculitis in Broiler Chickens in California: 2000-2018. *Avian Diseases* 64: 525-531.
40. **Hauck R**, Mays J, Dunn J, Shivaprasad H L (2020): Two Cases of Marek's Disease in Backyard Turkeys. *Avian Diseases* 64: 347-351.
41. Hamilton M, Ma X, McCrea B A, Carrisosa M, Macklin K S, Zhang C, Wang X, **Hauck R** (2020): Influence of Eimeria spp. infection on chicken jejunal microbiota and the efficacy of two alternative products against the infection. *Avian Dis* 64: 123-129.
42. **Hauck R**, Cray C, França M (2019): Spotlight on avian pathology: aspergillosis. *Avian Pathol* 49: 115-118.
43. **Hauck R**, Carrisosa M, McCrea B A, Dormitorio T, Macklin K S (2019): Evaluation of next generation amplicon sequencing to identify Eimeria spp. of chickens. *Avian Dis*: 63: 577-583.
44. Egaña-Labrin S, **Hauck R**, Figueroa A, Stoute S, Shivaprasad H L, Crispo M, Corsiglia C, Zhou H, Kern C, Crossley B, Gallardo R A (2019): Genotypic characterization of emerging avian reovirus molecular variants in California. *Sci Rep* 9: 9351.
45. Crispo M, Stoute S, **Hauck R**, Egaña-Labrin S, Senties-Cué C G, Cooper G L, Bickford A A, Corsiglia C, Shivaprasad H L, Crossley B, Gallardo R A (2019): Partial Molecular Characterization and Pathogenicity Study of an Avian Reovirus Causing Tenosynovitis in Commercial Broilers. *Avian Dis* 63: 452-460.

46. **Hauck R**, Stoute S, Savaris T, Shivaprasad H L (2019): Typhlohepatitis and amyloidosis associated with high mortality in Chukar partridges (*Alectoris chukar*). *Avian Dis* 63: 446-451.
47. da Silva A P, **Hauck R**, Kern C, Wang Y, Zhou H, Gallardo RA (2019): Effects of Chicken MHC Haplotype on Resistance to Distantly-Related Infectious Bronchitis Viruses. *Avian Dis* 63: 310-317.
48. **Hauck R**, Stoute S, Chin R P, Senties-Cué C G, Shivaprasad H L (2018): Retrospective study of histomoniasis (blackhead) in California turkey flocks, 2000-2014. *Avian Dis* 62: 94-100.
49. Derksen T, Lampron R, **Hauck R**, Pitesky M, Gallardo R A (2018): Biosecurity assessment and seroprevalence of respiratory diseases in backyard poultry flocks located close and far from commercial premises. *Avian Dis* 62: 1-5.
50. **Hauck R** (2017): Interactions between parasites and the bacterial microbiota of chickens. *Avian Dis* 61: 428-436.
51. Da Silva A P, **Hauck R**, Zhou H, Gallardo R A (2017): Understanding immune resistance to Infectious Bronchitis using major histocompatibility complex chicken lines. *Avian Dis* 61: 358-365.
52. Figueroa A, **Hauck R**, Saldias-Rodriguez J, Gallardo RA (2017): Combination of Quaternary ammonia and glutaraldehyde as a disinfectant against enveloped and non-enveloped viruses. *J Appl Poult Sci* 26: 491–497.
53. **Hauck R**, Senties-Cué G, Wang Y, Kern C, Shivaprasad H L, Zhou H, Gallardo R A (2017): Evolution of Avian Encephalomyelitis Virus during embryo-adaptation. *Vet Microbiol* 204: 1-7.
54. Abdelnabi A, **Hauck R**, Corbeil L B, Gallardo R A (2017): The effect of diatomaceous earth in live attenuated infectious bronchitis vaccine, immune responses and protection against challenge. *Poult Sci* 96: 2623-2629.
55. **Hauck R**, Crossley B, Rejmanek D, Zhou H, Gallardo R A (2017): Persistence of high and low pathogenic avian influenza viruses in footbaths and poultry manure. *Avian Dis* 61: 64-69.
56. Abdelnabi A, **Hauck R**, Davis A, Hildebrand M, Corbeil L B, Gallardo R A (2017): Diatoms and diatomaceous earth as novel poultry vaccine adjuvants. *Poult Sci* 96: 288-294.
57. Yugo D M, **Hauck R**, Shivaprasad H L, Meng X-J (2016): Hepatitis virus infections in poultry. *Avian Dis* 60: 576-588.
58. **Hauck R**, Gallardo R A, Woolcock P, Shivaprasad H L (2016): A coronavirus associated with runting stunting syndrome in broiler chickens. *Avian Dis* 60: 528–534.

59. Gallardo R A, Aleuy O A, Pitesky M, Senties-Cué G, Abdelnabi A, Woolcock P, **Hauck R**, Toro H (2016): Variability assessment of California infectious bronchitis virus variants. *Avian Dis* 60: 424 – 429.
60. Voget M, Lorenz D, Lieber-Tenorio E, **Hauck R**, Meyer M, Cieslicki M (2015): Is transmission electron microscopy (TEM) a promising approach for qualitative and quantitative investigations of polymyxin B and miconazole interactions with cellular and subcellular structures of *Staphylococcus pseudintermedius*, *Escherichia coli*, *Pseudomonas aeruginosa* and *Malassezia pachydermatis*?. *Vet Microbiol* 181: 261–70.
61. Zischka M, Künne C T, Blom J, Wobser D, Sakinç T, Schmidt-Hohagen K, Dabrowski P W, Nitsche A, Hübner J, Hain T, Chakraborty T, Linke B, Goesmann A, Voget S, Daniel R, Schomburg D, **Hauck R**, Hafez H M, Tielen P, Jahn D, Solheim M, Sadowy E, Larsen J, Jensen L B, Ruiz-Garbajosa P, Pérez D Q, Mikalsen T, Bender J, Steglich M, Nübel U, Witte W, Werner G (2015): Comprehensive molecular, genomic and phenotypic analysis of a major clone of *Enterococcus faecalis* MLST ST40. *BMC Genomics* 1: 175.
62. Wallmann J, **Hauck R**, Schwarz C, Klee S, Kaspar H, Heberer T (2015): Antibiotika: Gesetzgebung und Datenerfassung in Deutschland [Antibiotics: legislation and collection of data in Germany]. *J Verbrauch Lebensm*: DOI 10.1007/s00003-015-0954-8. (not peer-reviewed)
63. Noiva R, Guy J S, **Hauck R**, Shivaprasad H L (2015): Runting stunting syndrome associated with transmissible viral proventriculitis in broiler chickens. *Avian Dis* 59: 384-387.
64. **Hauck R**, Chin R P, Shivaprasad H L (2015): Retrospective study on the isolation of *Ornithobacterium rhinotracheale* from chickens and turkeys in Central California: 294 cases (2000 – 2012). *Avian Dis* 59: 130-137.
65. Popp C, **Hauck R**, Vahlenkamp T W, Lüscho D, Kershaw O, Hoferer M, Hafez H M (2014): Liver pathology associated with increased mortality in turkey breeder and meat turkey flocks. *Avian Dis* 58: 474-481.
66. Lotfi A, **Hauck R**, Olias P, Hafez H M (2014): Pathogenesis of histomonosis in experimentally infected specific pathogen free (SPF) layer type chickens and SPF meat type chickens. *Avian Dis* 58: 427-432.
67. **Hauck R**, Wallmann J, Heberer T (2014): Antibakterielle Resistenzen in Deutschland: Lage, Ursachen und Gegenmaßnahmen [Antibacterial resistances in Germany: situation, causes and counter measures]. *J Verbrauch Lebensm* 9: 71-79. (not peer-reviewed)
68. **Hauck R**, Römer A, Reimer I, Bender A, Haas C, Heberer T, Wallmann J (2014): Analysis of the distribution of veterinary antimicrobial products to veterinarians in Germany in 2011 and 2012. *Berl Münch Tierärztl Wschr* 127: 359-365.
69. **Hauck R**, Chin R P, Senties-Cué G, Charlton B, Shivaprasad H L (2014): Retrospective study of Turkey Viral Hepatitis in California turkey flocks, 2000-2012. *Avian Dis* 58: 205-210.

70. Taghavian O, Spiegel H, **Hauck R**, Hafez H M, Fischer R, Schillberg S (2013): Protective Oral Vaccination against Infectious bursal disease virus Using the Major Viral Antigenic Protein VP2 Produced in *Pichia pastoris*. *PloS One* 8: e83210.
71. **Hauck R**, Hafez H M (2013): Experimental infections with the protozoan parasite *Histomonas meleagridis*: a review. *Parasitol Res* 112: 19-34.
72. Schonewille E, Nesse L L, **Hauck R**, Windhorst D, Hafez H M, Vestby L K (2012): Biofilm building capacity of *Salmonella enterica* strains from the poultry farm environment. *FEMS Immunol Med Microbiol* 65: 360–365.
73. Popp C, **Hauck R**, Gad W, Hafez H M (2012): Type C botulism in a commercial turkey farm: A case report. *Avian Dis* 56: 760-763.
74. Popp C, **Hauck R**, Blazey B, Hänel A, Hafez H M (2012): An unusual outbreak of histomonosis in a commercial turkey flock. *Berl Münch Tierärztl Wschr* 125: 153–158.
75. Nume S, **Hauck R**, Hafez H M (2012): Influence of different storage media, temperatures and time duration on susceptibility of *Ornithobacterium rhinotracheale*. *Pak Vet J* 32: 438–442.
76. Nume S, **Hauck R**, Hafez H M (2012): Detection and typing of *Ornithobacterium rhinotracheale* (ORT) from German poultry flocks. *Avian Dis* 56: 654-658.
77. **Hauck R**, Hafez H M (2012): Pigeons are not susceptible to intracloacal infection with *Histomonas meleagridis*. *Pak Vet* 32: 589-592.
78. **Hauck R**, Hafez H M (2012): Description of *Eimeria pavonina* (Coccidia) of Peafowl in Germany. *Avian Dis* 56: 238–242.
79. Gad W, **Hauck R**, Krueger M, Hafez H M (2012): In vitro determination of antibiotic sensitivities of *Clostridium perfringens* isolates from layer flocks in Germany. *Arch Geflügelkd* 76: 234-238
80. Popp C, **Hauck R**, Balczulat S, Hafez H M (2011): Recurring histomonosis on an organic farm. *Avian Dis* 55: 328–330.
81. Gad W, **Hauck R**, Krueger M, Hafez H M (2011): Prevalence of *Clostridium perfringens* in commercial turkey and layer flocks. *Arch Geflügelkd* 75: 74–79.
82. Gad W, **Hauck R**, Krueger M, Hafez H M (2011): Determination of antibiotic sensitivities of *Clostridium perfringens* isolates from commercial turkeys in Germany in vitro. *Arch Geflügelkd* 75: 80–83.
83. Aka J, **Hauck R**, Blankenstein P, Balczulat S, Hafez H M (2011): Wiederauftreten von Histomonose auf einer Putenelternfarm [Reoccurrence of histomonosis in turkey breeder farm]. *Berl Münch Tierärztl Wschr* 124: 2–7.

84. Olias P, **Hauck R**, Windhaus H, van der Grinten E, Gruber A D, Hafez H M (2010): Articular aspergillosis of hip joints in turkeys. *Avian Dis* 54: 1098–1101.
85. **Hauck R**, Lotfi A, Hafez H M (2010): Factors influencing the activity of tiamulin against *Histomonas meleagridis* in vitro. *Avian Diseases* 54: 936–938.
86. **Hauck R**, Hafez H M (2010): Systematic position of *Histomonas meleagridis* based on four protein genes. *J Parasitol* 96: 396–400.
87. **Hauck R**, Fuller A L, Greif G, McDougald L R (2010): Evaluation of nifurtimox for potential use in control of histomoniasis in turkeys. *Avian Dis* 54: 28–32.
88. **Hauck R**, Balczulat S, Hafez H M (2010): Detection of DNA of *Histomonas meleagridis* and *Tetratrichomonas gallinarum* in German poultry flocks between 2004 and 2008. *Avian Dis* 54: 1021–1025.
89. **Hauck R**, Armstrong P L, McDougald L R (2010): *Histomonas meleagridis* (Protozoa: Trichomonadidae): Analysis of growth requirements in vitro. *J Parasitol* 96: 1–7.
90. Hafez H M, **Hauck R**, Gad W, De Gussem K, Lotfi A (2010): Pilot study on the efficacy of paromomycin as a histomonostatic feed additive in turkey poultts experimentally infected with *Histomonas meleagridis*. *Arch Anim Nutr* 64: 77–84.
91. Dlugolenski D, **Hauck R**, Hogan R J, Michel F, Mundt E (2010): Production of H5-Specific Monoclonal Antibodies and the Development of a Competitive Enzyme-Linked Immunosorbent Assay for Detection of H5 Antibodies in Multiple Species. *Avian Dis* 54: 644–649.
92. Lierz M, Hafez H M, Honkavuori K S, Gruber A D, Olias P, Abdelwhab E M, Kohls A, Lipkin W I, Briese T, **Hauck R** (2009): Anatomical distribution of avian bornavirus in parrots, its occurrence in clinically healthy birds and ABV-antibody detection. *Avian Pathol* 38: 491–496.
93. **Hauck R**, Prusas C, Hafez H M, Lüscho D (2009): Serologic response against fowl poxvirus and reticuloendotheliosis virus after experimental and natural infections of chickens with fowl poxvirus. *Avian Dis* 53: 205–210.
94. **Hauck R**, Prusas C, Hafez H M, Lüscho D (2009): Quantitative PCR as a tool to determine the reticuloendotheliosis virus-proviral load of fowl poxvirus. *Avian Dis* 53: 211–215.
95. **Hauck R**, Hafez H M (2009): Partial sequence of the beta-tubulin of *Histomonas meleagridis* and the activity of benzimidazoles against *H. meleagridis* in vitro. *Parasitol Res* 104: 1183–1189.
96. **Hauck R**, Hafez H M (2007): Effect of coated plant extracts on *Histomonas meleagridis* and growth of bacteria in vitro. *Avian Dis* 51: 880–883.
97. **Hauck R**, Lüscho D, Hafez H M (2006): Detection of *Histomonas meleagridis* DNA in different organs after natural and experimental infections of meat turkeys. *Avian Dis* 50: 35–38.

98. Hafez H M, **Hauck R** (2006): Efficacy of a herbal product against *Histomonas meleagridis* after experimental infection of turkey poults. *Arch Anim Nutr* 60: 436–442.
99. Hafez H M, **Hauck R**, Lüscho D, McDougald L (2005): Comparison of the specificity and sensitivity of PCR, nested PCR, and real-time PCR for the diagnosis of histomoniasis. *Avian Dis* 49: 366–370.

Publications in proceedings of scientific meetings

1. Hafez H M, **Hauck R**, Hoffmann T, Lüscho D (2004): Dissemination of *Histomonas meleagridis* in different organs after natural infection in meat turkeys. In: Proceedings of the 5th International Symposium on Turkey Diseases, Berlin. pp. 250–253.
2. **Hauck R**, Lüscho D, Prusas C, Hafez H M (2004): Investigation of serological response to avian reticuloendotheliosis virus after experimental infection with fowlpox virus carrying REV sequences. In: Proceedings of the 53rd Western Poultry Disease Conference, Sacramento, CA. p. 40.
3. Hafez H M, **Hauck R** (2005): *Histomonas meleagridis*: allgemeine Situation in Deutschland und Bekämpfungsansätze [Histomonas meleagridis: general situation in Germany and approaches to intervention strategies]. In: Referatesammlung des 69. Fachgesprächs für Geflügelkrankheiten, DVG-Verlag, Hannover. ISBN 3-938026-71-5. pp. 53–59.
4. Hafez H M, **Hauck R** (2005): Preliminary investigation on the efficacy of Protophyt on Histomoniasis in turkey poults after experimental infection. In: Proceedings of the 3rd International Meeting of the Working Group 10 (Turkey) of WPSA, Berlin. Mensch & Buch Verlag, ISBN 3-89820-993-8. pp. 268–273.
5. Hafez H M, **Hauck R** (2005): Preliminary investigations on the efficacy of an herbal product on histomoniasis in turkey poults after experimental infection. In: 14th World Veterinary Poultry Congress Abstrac Book, Istanbul. p. 232.
6. Hafez H M, Rudolf M, Haase S, **Hauck R**, Behr K-P, Bergmann V, Günther R (2005): Influence of stocking density and litter material on the incidence of pododermatitis of turkeys. In: Proceedings of the 3rd International Meeting of the Working Group 10 (Turkey) of WPSA, Berlin. Mensch & Buch Verlag, ISBN 3-89820-993-8. pp. 101–108.
7. Hafez H M, Schulze D, **Hauck R**, Lüscho D (2005): *Histomonas meleagridis*: The situation after the ban of the last available drug in the EU. In: Proceedings of the 54th Western Poultry Disease Conference, Vancouver, B. C. p. 36.
8. Hafez H M, Wäse K, Haase S, Hoffmann T, **Hauck R**, Simon O, Bergmann V (2005): Beinschwäche bei verschiedenen Putenlinien [Leg weakness in various turkey lines]. In: 26. Jahrestagung der DVG, DVG Service GmbH, Berlin. p. 135.
9. **Hauck R**, Lüscho D, Hafez H M (2005): Dissemination of *Histomonas meleagridis* in different organs after experimental infection of meat turkeys. In: 14th World Veterinary Poultry Congress Abstrac Book, Istanbul. p. 233.
10. **Hauck R**, Lüscho D, Hafez H M (2005): Ein Beitrag zur Diagnose der Histomoniasis [A contribution to the diagnosis of histomonosis]. In: Referatesammlung des 68. Fachgesprächs für Geflügelkrankheiten, DVG Verlag, Hannover. pp. 22–33.
11. **Hauck R**, Lüscho D, Hafez H M (2005): Pathogenesis of Histomoniasis: The spread of *Histomonas meleagridis* to different organs after experimental infection. In: Proceedings of the 3rd International Meeting of the Working Group 10 (Turkey) of WPSA, Berlin. Mensch & Buch Verlag, ISBN 3-89820-993-8. pp. 254–258.
12. **Hauck R**, Lüscho D, McDougald L R, Hafez H M (2005): Molekularbiologisches Verfahren zur Diagnose der Histomoniasis beim Geflügel [A molecular biological method to diagnose

histomonosis in poultry]. In: Tagung der DVG-Fachgruppe "Parasitologie und Parasitäre Krankheiten" - Diagnostik, Epidemiologie und Bekämpfung von Parasitosen bei Nutz-, Haus- und Heimtieren, Mensch & Buch Verlag, Potsdam. p. 17.

13. Haase S, Hoffmann T, **Hauck R**, Männer K, Luy J, Bergmann V, Hafez H M (2006): Tibial dyschondroplasia: Occurrence and age-related changes in different meat-type turkey lines and wild-type turkeys. In: Proceedings of the 6th International Symposium on Turkey Diseases, Mensch & Buch Verlag, Berlin. ISBN 3-939902-04-7. pp. 23–33.
14. **Hauck R**, Hafez H M (2006): In vitro effect of some natural products against *Histomonas meleagridis*. In: Proceedings of the 6th International Symposium on Turkey Diseases, Mensch & Buch Verlag, Berlin. ISBN 3-939902-04-7. pp. 224–229.
15. **Hauck R**, Armstrong P L, Fuller L, McDougald L (2007): Herbal products for control of Histomoniasis (Blackhead disease) in turkeys. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p. 20 (Abstract).
16. **Hauck R**, Armstrong P L, Fuller L, McDougald L (2007): The effect of Natustat on Histomoniasis in turkeys. In: Proceedings of the 56th Western Poultry Disease Conference, Las Vegas, NV. pp. 102–104.
17. **Hauck R**, Armstrong P L, Fuller L, McDougald L R (2007): Investigations on Growth Requirements of *H. meleagridis* in vitro. In: 15th World Veterinary Poultry Congress Abstract Book, Beijing, China. p. 264.
18. **Hauck R**, Armstrong P L, Fuller L, McDougald L R (2007): The Effect of Natustat for Prevention of Histomoniasis in Turkeys. In: Proceedings of the 58th North Central Avian Disease Conference and Symposium on Lessons Learned from AI Preparation, St. Paul, MN. p. 23.
19. **Hauck R**, McDougald L R (2007): Interaction between *Histomonas meleagridis* and bacteria. In: Turkey production: Future challenges. Proceedings of the 4th International Meeting of the Working Group 10 (Turkey) of WPSA, Mensch & Buch Verlag, Berlin. ISBN 978-3-86664-356-7. pp. 247–254.
20. Lüscho D, Hoffmann T, **Hauck R**, Hafez H M (2007): Molecular investigations on Turkeypox Virus. In: Proceedings of the 56th Western Poultry Disease Conference, Las Vegas, NV. pp. 6–7.
21. Hafez H M, **Hauck R**, Gad W (2008): Haben wir ein Problem mit Botulismus beim Geflügel? [Is there a problem with botulism in poultry?] In: Referatesammlung des 75. Fachgesprächs für Geflügelkrankheiten, Hannover. ISBN 978-3-941703-3-7. pp. 3-7.
22. **Hauck R**, Hafez H M (2008): Comparison of methods for diagnosis of Histomoniasis. In: Proceedings of the 7th International Symposium on Turkey Diseases, Berlin. ISBN 3-939902-96-9. pp. 59–64.
23. **Hauck R**, Mundt E (2008): Detection of H5 Antibodies of Turkeys in a newly Developed Species Independent cELISA using Recombinant Antigen. In: Proceedings of the 7th International Symposium on Turkey Diseases, Berlin. ISBN 3-939902-96-9. pp. 211–217.

24. **Hauck R**, Mundt E (2008): Development and validation of a competitive ELISA to detect antibodies against the influenza H5 protein. In: Convention Notes of the 145th AVMA Annual Convention, New Orleans, LA. p. 6064.
25. **Hauck R**, Mundt E (2008): Expression of recombinant H5 Protein for the Development of a Competitive ELISA for Detecting of H5 Antibodies. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p. 33.
26. Balczulat S, **Hauck R**, Hafez H M (2009): Epidemiologische Untersuchungen zum Auftreten der Histomonosis in Deutschland zwischen 2004 und 2009 [Epidemiological investigations into the occurrence of histomonosis in Germany between 2004 and 2009]. In: Programm & Abstracts 4. Doktorandensymposium am Fachbereich Veterinärmedizin der Freien Universität Berlin, Mensch & Buch Verlag, Berlin. ISBN 9783-86664-683-4. p. 16.
27. Gad W, **Hauck R**, Krüger M, Hafez H M (2009): Clostridium perfringens beim Geflügel [Clostridium perfringens in poultry]. In: Referatesammlung des 76., 77. und 78. Fachgesprächs für Geflügelkrankheiten, Hannover. DVG Verlag, ISBN 978-3-941703-94-0. pp. 99-100.
28. Gad W, **Hauck R**, Krüger M, Hafez H M (2009): Clostridium perfringens in commercial turkey flocks in Germany. In: Proceedings of the 5th International Meeting of the Working Group 10, Mensch & Buch Verlag, Berlin. ISBN 978-3-86664-701-5. pp. 217–221.
29. Gad W, **Hauck R**, Krüger M, Hafez H M (2009): Clostridium perfringens in commercial turkey flocks in Germany. In: Programm & Abstracts 4. Doktorandensymposium am Fachbereich Veterinärmedizin der Freien Universität Berlin, Mensch & Buch Verlag, Berlin. ISBN 9783-86664-683-4. p. 19.
30. Gad W, **Hauck R**, Krüger M, Hafez H M (2009): Prevalence of Clostridium perfringens in German turkey flocks between 2007 and 2009. In: 16th International Congress of the World Veterinary Poultry Association Abstract Book, Marrakesh. p. 202.
31. Hafez H M, Lotfi A, **Hauck R**, De Gussem K (2009): Efficacy of different doses of paromomycin in the feed against Histomonas meleagridis in experimentally challenged turkey poults. In: Proceedings of the 58th Western Poultry Disease Conference, Sacramento, California. pp. 78–79.
32. Hafez H M, Lotfi A, **Hauck R**, De Gussem K (2009): Efficacy of paromomycin in the feed against Histomonas meleagridis in experimentally challenged turkey poults. In: Proceedings of the 5th International Meeting of the Working Group 10, Mensch & Buch Verlag, Berlin. ISBN 978-3-86664-701-5. pp. 260–262.
33. **Hauck R**, Balczulat S, Hafez H M (2009): Molecular investigations on Histomonas meleagridis detected in Germany between 2004 – 2009. In: Proceedings of the 5th International Meeting of the Working Group 10, Mensch & Buch Verlag, Berlin. ISBN 978-3-86664-701-5. pp. 254–259.
34. **Hauck R**, Hafez H M (2009): The beta-tubulin sequence of H. meleagridis suggests susceptibility against Benzimidazoles and confirms the phylogenetic position of H. meleagridis. In: Convention Notes of the 146th AVMA Annual Convention, Seattle, WA. p. 7649.

35. **Hauck R**, Lotfi A, Hafez H M (2009): Efficacy of Tiamulin against *Histomonas meleagridis* in vitro: Dose titration. In: 16th International Congress of the World Veterinary Poultry Association Abstract Book, Marrakesh. p. 193.
36. Gad W, **Hauck R**, Hafez H M (2010): Determination of minimal inhibitory concentration (MIC) of several antibiotics for selected *Clostridium perfringens* isolates from commercial turkeys in Germany. In: Proceedings of the 8th International Symposium on Turkey Diseases, Mensch & Buch Verlag, Berlin. ISBN 978-3-86664-872-2. pp. 39–42.
37. Hafez H M, **Hauck R**, Kohls A, Lüscho D (2010): Das Fachgebiet Geflügelkrankheiten an der Hochschule im Wandel der Zeit [Teaching poultry diseases in vet schools over the course of time]. In: LBH: Proceedings 5. Leipziger Tierärztekongress, Leipzig. ISBN 978-3-86583-442-3. pp. 239–242.
38. **Hauck R**, Popp C, Balczulat S, Hafez H M (2010): In: curing outbreaks of histomonosis on a multiple species farm. Proceedings of the 8th International Symposium on Turkey Diseases, Mensch & Buch Verlag, Berlin. ISBN 978-3-86664-872-2. pp. 84–87.
39. Popp C, **Hauck R**, Gad W, Hafez H M (2010): Botulismus in commercial turkeys: a case report. In: Proceedings of the 8th International Symposium on Turkey Diseases. Mensch & Buch Verlag, Berlin. ISBN 978-3-86664-872-2. pp. 190–195.
40. Balczulat S, **Hauck R**, Hafez H M (2011): Untersuchungen zum Kohlenhydratstoffwechsel von *Histomonas meleagridis* [Investigations about the carbohydrate metabolism of *Histomonas meleagridis*]. In: 6. Doktorandensymposium & DRS Präsentationsseminar “Biomedical Sciences”, Mensch & Buch Verlag, Berlin. ISBN 978-3-86664-980-4. p. 58.
41. Düpre S, El-Adawi H, **Hauck R**, Hotzel H, Hafez H M (2011): Ein Beitrag zum Vorkommen von *Campylobacter* bei Mastputen [A contribution about the occurrence of *Campylobacter* in meat turkeys]. In: Referatesammlung des 80. Fachgesprächs für Geflügelkrankheiten, DVG Service GmbH, Hannover. ISBN 978-3-86345-046-5. pp. 29–35.
42. Düpre S, **Hauck R**, Hafez H M (2011): Salmonellen bei Mastputen: ein Beitrag zum Vorkommen und weitere Differenzierung von *Salmonella* Saint-Paul Isolaten [Salmonella in meat turkeys: a contribution about occurrence and further differentiation of *Salmonella* Saint-Paul isolates]. In: 6. Doktorandensymposium & DRS Präsentationsseminar “Biomedical Sciences”, Mensch & Buch Verlag, Berlin. ISBN 978-3-86664-980-4. p. 57.
43. **Hauck R**, Balczulat S, Hafez H M (2011): Further investigations on the role of carbohydrates in the culture of *Histomonas meleagridis*. In: Proceedings of the XVII Congress of the WVPA, Cancun, Mexico. p. 184.
44. **Hauck R**, Hafez H M (2011): Wie kommen Histomonaden in Geflügelbestände? [How do histomonads get into poultry flocks?] In: Neue Erkenntnisse zu Parasitosen bei Nutz-, Haus- und Heimtieren, Blaulicht-Verlag, Berlin. ISBN 9-783941-552104. p. 16.
45. **Hauck R**, Kohls A, Hafez H M (2011): Can pigeons be carriers of *Histomonas meleagridis*? In: Proceedings of the 6th International Symposium on Turkey Production, Mensch & Buch Verlag, Berlin. ISBN 978-3-86387-094-2. pp. 174–176.

46. Numee S, **Hauck R**, Hafez H M (2011): Characterization of *Ornithobacterium rhinotracheale* isolated from Poultry in Germany. In: 6. Doktorandensymposium & DRS Präsentationsseminar "Biomedical Sciences," Mensch & Buch Verlag, Berlin. ISBN 978-3-86664-980-4. p. 14.
47. Numee S, **Hauck R**, Hafez H M (2011): Viability of *Ornithobacterium rhinotracheale* (ORT) in swabs under different conditions. In: Proceedings of the XVII Congress of the WVPA, Cancun, Mexico. p. 185.
48. Popp C, **Hauck R**, Lüscho D, Hafez H M (2011): Liver changes accompanied with raised mortality in turkey breeder and meat turkey flocks. In: Proceedings of the 6th International Symposium on Turkey Production, Mensch & Buch Verlag, Berlin. ISBN 978-3-86387-094-2. pp. 121–124.
49. Düpre, S, **Hauck R**, Hafez H M (2012): Nachweis von *Campylobacter* spp. aus Sockentupfern aus Mastputenbeständen [Detection of *Campylobacter* spp. in boot swabs for meat turkey flocks]. In: 7. Doktorandensymposium & DRS Präsentationsseminar "Biomedical Sciences," Mensch & Buch Verlag, Berlin. ISBN 978-3-86387-153-6. p. 56.
50. **Hauck R**, Balczulat S, Hafez H M (2012): Investigations on the carbohydrate metabolism of *Histomonas meleagridis*. In: Proceedings of the 8th International Symposium on Turkey Diseases Berlin, Mensch und Buch Verlag, Berlin. ISBN: 978-3-86387-254-0, pp. 219-221.
51. Numee S, **Hauck R**, Hafez H M (2012): Festlegung optimaler Transportbedingungen für Tupfer zur Isolierung von *Ornithobacterium rhinotracheale* (ORT) [Determination of optimal conditions for transport of swabs for isolation of *Ornithobacterium rhinotracheale*]. In: 7. Doktorandensymposium & DRS Präsentationsseminar "Biomedical Sciences," Mensch & Buch Verlag, Berlin. ISBN 978-3-86387-153-6. p 55.
52. Numee S, **Hauck R**, Hafez H M (2012): *Ornithobacterium rhinotracheale* (ORT) in German turkey flocks: Current status. In: Proceedings of the 8th International Symposium on Turkey Diseases Berlin, Mensch und Buch Verlag, Berlin. ISBN: 978-3-86387-254-0, pp. 110-113.
53. **Hauck R** (2014): "Leg weakness" in turkeys: Causes and approaches for solutions. In: Proceedings of the 10th International Symposium on Turkey Diseases. pp. 9-14.
54. **Hauck R**, Hafez H M (2014): Sequencing of two ORT reference strains. In: Proceedings of the 10th International Symposium on Turkey Diseases. pp. 156-157.
55. **Hauck R**, Chin R, Senties Cue G, Carnaccini S, Shivaprasad H L (2015): Retrospective study of histomonosis (blackhead) in California turkey flocks, 2000-2013. In: Proceedings of the 64th Western Poultry Disease Conference, Sacramento, CA. p. 62–63.
56. **Hauck R**, Hafez H M (2015): Full genome sequences of ort strains show high homology. In: Proceedings of the 64th Western Poultry Disease Conference, Sacramento, CA. p. 61.
57. **Hauck R**, Chin R, Senties G, Carnaccini S, Shivaprasad H L (2015): Cases of Histomonosis in California turkey Flocks in the years 2000 – 2014. In: Proceedings of the 8th International Symposium on Turkey Production. pp. 112-114.
58. **Hauck R**, Kaspar H, Wallmann J (2015): Resistance profiles of *Escherichia coli* and *Staphylococcus aureus* isolates from turkeys in Germany. In: Proceedings of the 8th International Symposium on Turkey Production. pp. 139-141.

59. **Hauck R**, Bender A, Reimer I, Heberer T, Wallmann J (2015): Sales data of antibiotics for use in poultry in Germany 2011 through 2014. In: Abstracts, programme and show guide of the 19th World Veterinary Poultry Association Congress, Cape Town, South Africa. p. 1072.
60. Figueroa A, **Hauck R**, Saldias-Rodriguez J, Gallardo R A (2016): Antiviral effect of hybrid quaternary ammonia-glutaraldehyde disinfectant on very virulent infectious bursal disease (vvIBDV) and low pathogenic avian influenza (LPAI) viruses. In: Proceedings of the 65th Western Poultry Disease Conference, Vancouver, Canada. pp. 62-63.
61. **Hauck R**, Senties-Cue G, Stoute S, Carnaccini S, Chin R P, Noiva R, Gallardo R A, Shivaprasad H L (2016): Retrospective study of transmissible viral proventriculitis in broiler chickens in central California: 2000-2014. In: Proceedings of the 65th Western Poultry Disease Conference, Vancouver, Canada. pp. 99-100.
62. Nazmi A, **Hauck R**, Corbeil L, Gallardo R A (2016): Immune response enhancement of live attenuated vaccines against poultry respiratory viruses. In: Proceedings of the 65th Western Poultry Disease Conference, Vancouver, Canada. pp. 73-74.
63. **Hauck R**, Crossley B, Zhou H, Gallardo R A (2017): Inactivation of high and low pathogenic avian influenza viruses in footbaths and their persistence in poultry manure. In: Proceedings of the 66th Western Poultry Disease Conference, Sacramento, California. pp. 68-69.
64. Gallardo R A, **Hauck R**, Senties-Cue G, Shivaprasad H L, Crossley B (2017): Molecular epidemiology of reoviruses in California. In: Proceedings of the 66th Western Poultry Disease Conference, Sacramento, California. pp. 54-55.
65. Crispo M, Senties-Cue G, **Hauck R**, Crossley B, Bickford A, Cooper G, Shivaprasad H L, Corsiglia C, Stoute S, Gallardo R A (2017): Tenosynovitis outbreaks in commercial broilers associated with avian reovirus variants. In: Proceedings of the 66th Western Poultry Disease Conference, Sacramento, California. pp. 44-46.
66. Da Silva A, **Hauck R**, Zhou H, Gallardo R A (2017): Major histocompatibility complex and genetic resistance to infectious bronchitis virus. In: Proceedings of the 66th Western Poultry Disease Conference, Sacramento, CA. pp. 173-174.
67. Da Silva A, **Hauck R**, Zhou H, Gallardo R A (2018): Understanding resistance to different infectious bronchitis virus genotypes. In: Proceedings of the 67th Western Poultry Disease Conference, Salt Lake City, UT. pp. 58-60.
68. **Hauck R**, Carrisosa M, McCrea B, Macklin K (2018): Investigation of fecal samples from chicken backyard flocks for parasites. In: Proceedings of the 67th Western Poultry Disease Conference, Salt Lake City, UT. p. 99.
69. Shivaprasad H L, Savaris T, Stoute S, **Hauck R** (2018): Severe mortality in a flock of chukar partridges associated with protozoa. In: Proceedings of the 67th Western Poultry Disease Conference, Salt Lake City, UT. p. 208.
70. Bode C, Bender A, Wallmann J, Haas C, Koeper L, **Hauck R**, Reimer I, Roemer A, Heberer T (2018): More than 55 percent drop in sales of veterinary antimicrobials in Germany from 2011 – 2016. In: Abstracts of the 28th European Congress of Clinical Microbiology and Infectious Diseases, Madrid, Spain. p 1704.

71. **Hauck R**, Mays J, Dunn J, Shivaprasad H L (2018): Marek's Disease in a Bourbon Red Turkey. In: Proceedings of the 12th International Symposium on Turkey Diseases, Berlin, Germany. pp 162-165.
72. Carrisosa M, Macklin K S, **Hauck R** (2019): Establishing monoclonal Eimeria spp. isolates in immunosuppressed chickens. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 74.
73. **Hauck R**, Hamilton M, Wang X, McCrea B, Carrisosa M, Macklin K S (2019): Eimeria spp. in chickens: Efficacy of two alternative products and influence on the gut microbiota. In: Proceedings of the 68th Western Poultry Disease Conference, Puerto Vallarta, Mexico. pp 114-115.
74. **Hauck R**, Hamilton M, Wang X, McCrea B, Carrisosa M, Macklin K S (2019): Apple cider vinegar and green tea are not effective against a mixed challenge of chickens with Eimeria spp. but influence the intestinal microbiota after challenge with Eimeria spp.. In: Proceedings of the 4th International Symposium on Parasite Infections in Poultry, Vienna, Austria. p 42.
75. Carrisosa M, McCrea B, Macklin K S, Dormitorio T, **Hauck R** (2019): Prevalence of parasites in backyard chicken flocks in Alabama, USA. In: Proceedings of the 4th International Symposium on Parasite Infections in Poultry, Vienna Austria. p 86.
76. Carrisosa M, Macklin K S, Wang C, **Hauck R** (2020): Development and application of a multi-locus sequence typing (MLST) scheme for Eimeria maxima. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 11.
77. Bethonico Terra M T, Franco I, Jin S, **Hauck R** (2020): Survival and sporulation of coccidia oocysts on different litter conditions. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. pp 69-70.
78. **Hauck R**, Bethonico-Terra M T (2021): Adaptation of a next generation amplicon sequencing method to speciate Eimeria spp. of turkeys. In: Abstracts of the International Poultry Scientific Forum, virtual. p 58.
79. Pietruska A, **Hauck R**, Stewart S, McCrea B A: Protecting backyard flocks – existing and needed online resources to educate backyard flock owners. In: Abstracts of the International Poultry Scientific Forum, virtual. p 59.
80. Bethonico Terra M T, Franco I, Jin S, **Hauck R** (2021): Development and deterioration of coccidia oocysts in wet and dry litter at different temperatures. In: Proceedings of the 70th Western Poultry Disease Conference, virtual meeting. pp 19-22.
81. Egana-Labrin A, Roh H J, Corsiglia C, Crossley B, **Hauck R**, Gallardo R A (2021): Concomitant viruses on avian reovirus isolates obtained from clinical samples. In: Proceedings of the 70th Western Poultry Disease Conference, virtual meeting. pp 40-42.
82. **Hauck R**, Beckmann J, Oladipupo S, Dormitorio T, Macklin K S, Bethonico-Terra M T (2021): Detection of Heterakis gallinarum and Histomonas meleagridis DNA in darkling beetles and litter after depopulation of chicken houses. In: Proceedings of the 70th Western Poultry Disease Conference, virtual meeting. pp 84-85.
83. **Hauck R**, Carrisosa M, Bethonico Terra M T, McCrea B A, Macklin K S (2021): Epidemiologie von Kokzidien in Geflügel in konventionellen Ställen und in Freilandhaltung

[Epidemiology of coccidia of poultry in conventional houses and in free ranging flocks]. In: Tagungsband des 100. Fachgesprächs über Geflügelkrankheiten, Hannover, Germany/virtual. pp 47-49.

84. Riggs M, **Hauck R**, Baker-Cook B, Osborne R, Pal A, Bethonico Terra M, Sims G, Urrutia A, Orellana Galindo L, Reina M, Bourassa D (2022): Meat quality of broiler chickens processed using electrical and controlled atmosphere stunning systems. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 8.
85. Escobar Lobo C, Macklin K, Pacheco W, **Hauck R** (2022): Survey of feed mills around United States for select bacterial pathogens. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 15.
86. Pietruska A, **Hauck R** (2022): A meta-analysis: microbiome of chickens infected with coccidia. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 18.
87. Bethonico Terra MT, Pietruska A, True B, Hodgen K, **Hauck R** (2022): The effects of possible alternative treatments for nematodes on egg production and quality. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 51.
88. **Hauck R** (2022): Intestinal health: a puzzle with too many pieces. In: Proceedings of the 71st Western Poultry Disease Conference, Vancouver, BC, CA. pp 111-113.
89. Pietruska A, Bortoluzzi C, **Hauck R** (2022): The impact of coccidiosis and necrotic enteritis on the microbiota of chickens – a meta-analysis. In: Final Conference Proceedings of the 2022 Poultry Science Association Annual Meeting, San Antonio, TX. p 35.
90. Terra MTB, Gulizia JP, Carvalho PS, Almeida LM, Hernandez JR, Thuekeaw S, McCrea BA, Pacheco WJ, **Hauck R** (2022): The Effects of possible alternative treatments against *Ascaridia galli* on nutrient digestibility in infected laying hens. In: Final Conference Proceedings of the 2022 Poultry Science Association Annual Meeting, San Antonio, TX. p 41.
91. Riggs M, Reina M, Urrutia A, Figueroa J, Jackson A, Hughes M, True B, Hanlon C, Hauck R, Baker-Cook B, Bourassa D (2023): Analysis of broiler chicken blood parameters during carbon dioxide gas stunning. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 3.
92. Escobar Lobo C, Munoz LR, Bailey MA, Krehling JT, Pacheco WJ, Hauck R, Macklin KS (2023): Microbial analysis of feed ingredients and manufactured animal feed. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 12.
93. Pietruska A, Kitchens S, Krehling JT, Macklin KS, Price S, Khalid Z, Terra-Long MT, Dormitorio T, Hauck R (2023): The impact of *Salmonella Typhimurium* and coccidiosis vaccine on the cecal transcriptome in broiler chickens. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 17.
94. Khalid Z, Pietruska A, Chowdhury E, Hauck R (2023): Influence of avian reovirus infection on the intestinal microbiome. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 18.
95. Gulizia JP, Vargas JI, Bonilla SM, Hernandez JR, Thuekeaw S, Hauck R, Macklin KS, Dozier WA, McCafferty KW, Pacheco WJ (2023): Individual and combined effects of phytase and

- butyric acid on performance and processing yield of YPM x Ross 708 male broilers reared to 42 days of age. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 32.
96. Nankemann J, Pietruska A, Espejo R, Kitchens C, Toro H, **Hauck R** (2023): Transcriptomic analysis of chicken harderian gland, trachea, cecal tonsil and spleen after vaccination with the LaSota Newcastle Disease Virus. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 50.
97. **Hauck R**, Macklin KS, Beckmann J, Burlison M, Jeon A, Terra-Long MT (2023): Description of insect populations in and around broiler breeder pullet farms with regard to potential vectors of *Histomonas meleagridis*. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 76.
98. **Hauck R**, Pietruska A, Bortoluzzi C (2023): Meta-analysis of the changes in the predicted metagenome functional content after infection with coccidia and/or *Clostridium perfringens*. In: Proceedings of the 72nd Western Poultry Disease Conference, Sacramento, CA. p 94.
99. Gulizia JP, Terra-Long MT, Khalid Z, Vargas JI, Bonilla SM, Hernandez JR, Thuekeaw S, Krehling JT, **Hauck R**, Macklin KS, Dozier WA, McCafferty KW, Pacheco WJ (2023): Individual and combined effects of phytase and butyric acid on jejunum histomorphometry, cecal microbiome, and jejunum tight-junction gene expression of YPM x Ross 708 male broilers. In: Poultry Science Association 112th Annual Meeting Abstracts, Philadelphia, PA. p 64.
100. Barua S, Bailey M, Zhong K, Iduu N, Dormitorio T, Macklin KS, Bourassa D, Price S, **Hauck R**, Krehling JT, Kitchens S, Kyriakis C, Buhr J, Wang C (2023): Role of darkling beetles (*Alphitobius diaperinus*) in spreading and maintaining *Salmonella* Enteritidis and *Campylobacter jejuni* in chicken flocks. In: Poultry Science Association 112th Annual Meeting Abstracts, Philadelphia, PA. p 136.
101. Philpot SC, **Hauck R**, Aderibigbe A, Macklin KS, Pacheco WJ, Rochell SJ, Dozier WA: Response of broiler chickens vaccinated against coccidiosis to diets containing varying amino acid density and a nucleotide-rich extract during the pre-starter and starter periods. In: Poultry Science Association 112th Annual Meeting Abstracts, Philadelphia, PA. p 136.
102. **Hauck R** (2023): *Histomonas meleagridis* – life cycle and transmission. In: Poultry Science Association 112th Annual Meeting Abstracts, Philadelphia, PA. p 243.
103. Pietruska A, Kitchens S, Tabish RW, Terra-Long M, Macklin K, Price S, **Hauck R** (2024): The impact of *Salmonella* Typhimurium and coccidiosis vaccine on the cecal transcriptome in broiler chickens in the late stage of production. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 15.
104. Santini M, Pietruska A, Khalid Z, **Hauck R** (2024): Meta-analysis of the normal chicken cecal microbiota. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 19.
105. Gulizia JP, Tabish RW, Vargas JI, Hernandez JR, Simões CT, Guzman EG, Rochell SJ, **Hauck R**, Bailey MA, Dozier WA, McCafferty KW, Pacheco WJ (2024): Performance and tibia mineralization response of YPM x Ross 708 male broilers subjected to a necrotic enteritis challenge and fed diets containing varying limestone particle sizes and calcium concentrations from 1 to 35 days of age. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 20.

106. Tabish RW, Gulizia JP, Vargas JI, Hernandez JR, Simões C, Guzman EG, Pacheco WJ, Rochell SJ, Bailey MA, Dozier WA, McCafferty KW, **Hauck R** (2024): Influence of different calcium levels and limestone particle sizes on the intestinal microbiome in broilers upon subclinical necrotic enteritis challenge. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 20.
107. Lopes T, Nankemann J, Pietruska A, Espejo R, Kitchens C, Guevara C, Toro H, **Hauck R** (2024): Gene expression in Harderian glands and tracheas with maternal antibodies 24 and 48 hours after vaccination with LaSota Newcastle Disease Virus. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 51.
108. Guardado C, **Hauck R**, Macklin KS, Appel A (2024): Screening dusts for potential activity against Litter Beetles. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 85.
109. Chaudhary D, Farjana S, Pedroza S, Pietruska A, Kyriakis C, Suarez D, Lee C, **Hauck R** (2024): Genetic analysis of low pathogenic Newcastle disease virus (loNDVs) isolated from wild birds during adaptation to chicken embryos. In: Proceedings of the 73rd Western Poultry Disease Conference, Salt Lake City, Ut. p 30.
110. **Hauck R**, Santini M, Pietruska A, Khalid Z (2024): The intestinal microbiota of “normal” chickens. In: Proceedings of the 73rd Western Poultry Disease Conference, Salt Lake City, Ut. p 65.
111. Khalid Z, **Hauck R** (2024): Comparative transcriptomic analysis of chicken origin cell lines following avian reovirus inoculation. In: Proceedings of the 73rd Western Poultry Disease Conference, Salt Lake City, Ut. pp 82 – 83.
112. Pietruska A, Macklin KS, Kitchens S, Price S, **Hauck R** (2024): Wechselwirkungen zwischen Lebendimpfstoffen gegen Kokzidien und Salmonella Typhimurium. In: Tagungsband des 106. Fachgesprächs für Geflügelkrankheiten, pp. 17 - 18.
113. Khalid Z, Harrell TL, Conrad S, **Hauck R** (2024): Application of Artificial Intelligence Models to Quantify Avian Reovirus-induced Cytopathic Effect. In: Meeting of the American Society for Virology. Columbus OH, p 209.
114. **Hauck R**, Santini M, Pietruska A, Khalid Z (2024): Beschreibung und Funktion des „normalen“ Darmmikrobioms von Hühnern. In: Tagungsband des 107. Fachgesprächs für Geflügelkrankheiten, pp. 1 - 2.
115. Stumpff JA, Guzman EG, Pietruska A, Tabish RW, Pacheco WJ, Bourassa DV, Macklin KS, **Hauck R** (2025). Changes in the microbiota of treated and untreated litter of broilers given organic acids in the drinking water. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 88.
116. Poudel S, Contreras Zelaya FA, Guzman EG, Pacheco WJ, **Hauck R**, Bourassa DV, Macklin KS (2025). Impact of Organic acid supplementation on Cecal Microbiome of Broiler Chicks inoculated with Salmonella. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 80.
117. Guzman EG, Vargas JI, Gulizia JP, Hernandez JR, Martinez J, Brizuela MJ, Bailey M, **Hauck R**, Bourassa DV, Macklin KS, Pacheco WJ (2025). Effect of organic acid

supplementation on Salmonella prevalence and growth performance during a challenge model using male broilers. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 35.

118. Anderson AG, Lee JT, Adhikari R, Hauck R, Rochell SJ (2025). Dietary arginine responses of Ross 708 broilers subjected to enteric challenge with *Eimeria* spp. and *Clostridium perfringens*. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 55.
119. Hernandez JR, Gulizia JP, Vargas JI, Guzman EG, Rochell SJ, Hauck R, Pacheco WJ (2025). Effect of feed form, energy level, and conditioning temperature on broiler performance, feed wastage, and nutrient digestibility from 1 to 21 days of age. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 39.
120. Tabish RW, Lin Y, Rochell SJ, Pacheco WJ, Bailey M, Dozier III WA, McCafferty KW, Hauck R (2025). Impact of dietary fiber types and concentrations on jejunal and cecal gene expression in broilers with a subclinical enteric challenge. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 41.
121. Gulizia JP, Tabish RW, Vargas JI, Hernandez JR, Simões CT, GuzmanEG, Samuel J. Rochell1, Hauck R, Bailey M, Dozier III WA, McCafferty KW, Pacheco WJ (2025). Nutrient digestibility response of male broilers subjected to an enteric challenge and fed diets containing varying limestone particle sizes and calcium concentrations. In: Abstracts of the International Poultry Scientific Forum, Atlanta, GA. p 45.
122. Fonseca-Ferguson C, Khalid Z, Hauck R (2025). Metabolomic profiling of chicken embryos after infection with avian reovirus. In: Proceedings of the 74th Western Poultry Disease Conference, Calgary, CA. pp 47 – 48.
123. Lopes T, Hauck R (2025). Young chick's gene expression profile after infection with three NDV vaccinal strains reveals common and unique DEGs linked to innate immunity in the harderian glands, trachea, lungs and ceca. In: Proceedings of the 74th Western Poultry Disease Conference, Calgary, CA. pp 131 – 132.
124. Lockyear O, Ehsan M, Cline J, Kaemmerer K, Fathima S, Hauck R (2025). Differentiation of *Eimeria maxima* in commercial broiler flocks. In: Proceedings of the 74th Western Poultry Disease Conference, Calgary, CA. pp 128 – 130.
125. Hauck R, Khalid Z, Fathima S (2025). changes in the transcriptome of chicken embryo organs after inoculation with avian reovirus. In: Proceedings of the 74th Western Poultry Disease Conference, Calgary, CA. pp 85 – 87.
126. Tabish RW, Lin Y, Rochell SJ, Pacheco WJ, Bailey MA, Dozier III WA, McCafferty KW, Hauck R (2025). Synergistic effects of soluble and insoluble fiber combinations on jejunal and cecal microbiome in broilers with a subclinical enteric challenge. In: Poultry Science Association 114th Annual Meeting Abstracts, Raleigh, NC. p 46.
127. Guzman EG, Vargas JI, Gulizia JP, Hernandez JR, Martinez J, Brizuela M, Contreras Zelaya FA, Casco Gomez KV, Steele A, Bailey MA, Hauck R, Bourassa DV, Macklin KS, Pacheco WJ (2025). Impact of litter treatment and organic acid supplementation via drinking water on Salmonella prevalence and growth performance in Salmonella-challenged broilers. In: Poultry Science Association 114th Annual Meeting Abstracts, Raleigh, NC. p 25.

128. Hauck R, Tabish RW, Lin Y, Rochell SJ, Pacheco WJ, Bailey MA, Dozier WA, Robinson K (2025). Shifts in the jejunal and cecal microbiota of broilers with subclinical enteric infection. In: Poultry Science Association Pacific Rim Scientific Conference Abstracts, Macau, Macau. p 43

Book chapters and book

1. Hafez H M, **Hauck R** (2009): Reticuloendoteliose. In: Patologia Aviária, 1th ed. Revolledo, L. and A. J. Piantino (eds). Ferreira Manole Ltda., Barueri, Brazil. ISBN 978-85-204-2058-4. pp. 296–299.
2. **Hauck R** (2014): Vacunación en enfermedades parasitarias. In: Vacunación en avicultura. Servet, Zaragoza, Spain. ISBN: 978-84-942976-0-1. pp. 151-176. (English version: Vaccination in Poultry, ISBN: 978-84-942-9765-6; French version: La vaccination en aviculture, ISBN: 978-84-942976-0-1)
3. Hafez H M, **Hauck R** (2015): Zoonoses with Public Health Relevance in Poultry. In: Zoonoses - Infections Affecting Humans and Animals. Sing A (Ed). Springer Netherlands. ISBN 978-94-017-9456-5 (Print) 978-94-017-9457-2 (Online). pp. 103-123.
4. Hafez H M, **Hauck R** (2016): Main diseases in poultry farming – Bacterial infections. Servet Zaragoza , Spain. ISBN: 978-84-16818-39-6.
5. **Hauck R** (2017): Coccidiosis. In: Diagnosis of Major Poultry Diseases. Saif Y M, Toro H (eds). Servet, Zaragoza, Spain. ISBN: 978-84-17225-05-6. pp. 93-95.
6. **Hauck R** (2017): Histomoniasis. In: Diagnosis of Major Poultry Diseases. Saif Y M, Toro H (eds). Servet, Zaragoza, Spain. ISBN: 978-84-17225-05-6. pp. 96-99.
7. **Hauck R**, Bielke L, Yu Z (2019): The interaction between gut microbiota and pathogens in poultry. In: Improving Gut Function in Poultry. Ricke S (ed). Burleigh Dodds, Cambridge, UK. 43 pages.
8. Macklin K S, **Hauck R** (2019): Helminthiasis in Poultry. Merck Veterinary Manual. <https://www.merckvetmanual.com/poultry/helminthiasis/helminthiasis-in-poultry>
9. **Hauck R**, Hafez H M (2020): Mikrobiologie des Geflügels. In: Mikrobiologie der Lebensmittel Fleisch-Fisch- Feinkost. 2nd edition. Strahlendorf J, Weber H (eds). Behr's Verlag, Hamburg, Germany. ISBN: 978-3-95468-673-5. pp. 621-737.
10. Hafez H M, **Hauck R** (2021): Histomoniasis (Blackhead Disease). In: Poultry Health – A Guide for Professionals. Barrow P, Venugopal N, Baignent S, Atterbury R, Clark M (eds). CABI, Oxfordshire, UK. pp. 243-248.
11. Hafez H M, **Hauck R** (2022): Zoonoses transmitted by poultry: Risks related to poultry rearing and eating poultry products. In: Zoonoses - Infections Affecting Humans and Animals, 2nd ed. Sing A (Ed). Springer Cham. Print ISBN 978-3-030-85877-3, online ISBN978-3-030-85877-3, DOI https://doi.org/10.1007/978-3-030-85877-3_4-1.
12. **Hauck R** (2023): Avian Encephalomyelitis. <https://www.merckvetmanual.com/poultry/avian-encephalomyelitis/avian-encephalomyelitis>
13. **Hauck R** (2023): Turkey Viral Hepatitis. <https://www.merckvetmanual.com/poultry/turkey-viral-hepatitis>
14. **Hauck R** (2023): Helminthiasis in Poultry. <https://www.merckvetmanual.com/poultry/helminthiasis/helminthiasis-in-poultry>

15. Hauck R (2024): Fungal Diseases. In: Turkey Diseases and Disorders Volume 1, eds. Hafez HM, Shehata AA. Springer. ISBN978-3-031-63317-1. pp. 205-232

Publications in non peer-reviewed journals

1. Hafez H M, **Hauck, R** (2011): Das 6. Internationale Symposium über Putenproduktion in Berlin [Report about the 6th international symposium on turkey production in Berlin]. Veterinärmedizin in der Hauptstadt. 18/19-2011: 40.
2. Wallmann J, **Hauck R**, Kaspar H (2014): Möglichkeiten der Optimierung des Antibiotikaeinsatzes in der Nutztierpraxis [Possibilities to optimize the use of antibiotics in livestock practice]. Der Praktische Tierarzt 95 (Suppl 5): 30-34.
3. Wallmann J, Bender A, **Hauck R**, Reimer I, Heberer T (2014): Abgabemengenerfassung antimikrobiell wirksamer Stoffe in Deutschland 2013 [Sales data of antibiotics in Germany in 2013]. Dtsch Tierärztebl. 2014: 1234-1239.
4. **Hauck R**, Wallmann J, Heberer T (2015): Antibiotikaresistenz : Eine sachliche Auseinandersetzung nach der Artikelserie in “Die Zeit“ [Antibiotic resistances: an objective discussion after the series of articles in the magazine “Die Zeit”]. Dtsch Tierärztebl. 2015: 332-335.
Reprint in Krh.-Hyg. + Inf.verh (2015): <http://dx.doi.org/10.1016/j.khinf.2015.03.001>
5. **Hauck R**, Macklin K S (2017): Control of Coccidiosis. AP&EA Magazine 12(4). 24 – 26.
6. Hess J B, Gould B, **Hauck R**, Giambrone J J, Berry W D (2017): Managing Mortality in Breeder Flocks. AP&EA Magazine 12(6). 24 – 26.
7. Hess J B, Macklin K S, **Hauck R** (2018): Mortality Management in Antibiotic Free Production. AP&EA Magazine 13(4). 24+30.
8. Hess J B, **Hauck R**, Pacheco W, Bourassa D (2018): 48 Hours to Processing. AP&EA Magazine 13(9). 28+30.
9. **Hauck R** (2018): What really works? Scientifically testing two popular methods against coccidia. Chicken Whisperer. Summer. 2 – 7.
10. Giambrone J J, **Hauck R**, Macklin K S (2019): Vaccinations: The Why and How. AP&EA Magazine 14(4). 24 – 30.
11. Mccrea B, **Hauck R**, Macklin K S (2019): Apocalypse Fowl: Understanding the Newcastle Disease Response. Chicken Whisperer. Spring. 18 –23.
12. Hauck R, Terra Long M T, McCrea B (2022): Does pumpkin seed work as a dewormer? Chicken Whisperer. <https://www.chickenwhisperermagazine.com/health-and-wellness/does-pumpkin-seed-work-as-a-dewormer?fbclid=IwAR1j8QwQ3AmdhqeiqFLLXdhGlnOcoPi5oXUy2Puq9dgzOukwKuObyK-nZvM>.

Oral presentations at scientific and professional meetings

1. **Hauck R**, Lüscho D, Prusas C, Hafez H M (2004): Investigation of serological response to avian reticuloendotheliosis virus after experimental infection with fowlpox virus carrying REV sequences. 53rd Western Poultry Disease Conference, Sacramento, CA.
2. **Hauck R**, Lüscho D, Hafez H M (2005): Dissemination of *Histomonas meleagridis* in different organs after experimental infection of meat turkeys. 14th World Veterinary Poultry Congress, Istanbul, Turkey.
3. **Hauck R**, Lüscho D, Hafez H M (2005): Ein Beitrag zur Diagnose der Histomoniasis [A contribution to the diagnosis of histomonosis]. 68. Fachgespräch für Geflügelkrankheiten, Hannover, Germany.
4. **Hauck R**, Lüscho D, Hafez H M (2005): Pathogenesis of Histomoniasis: The spread of *Histomonas meleagridis* to different organs after experimental infection. 3rd International Meeting of the Working Group 10 (Turkey) of WPSA, Berlin, Germany.
5. **Hauck R**, Lüscho D, McDougald L R, Hafez H M (2005): Molekularbiologisches Verfahren zur Diagnose der Histomoniasis beim Geflügel [A molecular biological method to diagnose histomonosis in poultry]. Tagung der DVG-Fachgruppe Parasitologie und Parasitäre Krankheiten, Potsdam, Germany.
6. **Hauck R**, Hafez H M (2006): In vitro effect of some natural products against *Histomonas meleagridis*. Proceedings of the 6th International Symposium on Turkey Diseases, Berlin, Germany.
7. **Hauck R**, Armstrong P L, Fuller L, McDougald L (2007): Herbal products for control of Histomoniasis (Blackhead disease) in turkeys. International Poultry Scientific Forum, Atlanta, GA.
8. **Hauck R**, Armstrong P L, Fuller L, McDougald L (2007): The effect of Natustat on Histomoniasis in turkeys. 56th Western Poultry Disease Conference, Las Vegas, NV.
9. **Hauck R**, Armstrong P L, Fuller L, McDougald L R (2007): Investigations on Growth Requirements of *H. meleagridis* in vitro. 15th World Veterinary Poultry Congress, Beijing, China.
10. **Hauck R**, Armstrong P L, Fuller L, McDougald L R (2007): The Effect of Natustat for Prevention of Histomoniasis in Turkeys. 58th North Central Avian Disease Conference and Symposium on Lessons Learned from AI Preparation, St. Paul, MN.
11. **Hauck R**, McDougald L R (2007): Interaction between *Histomonas meleagridis* and bacteria. 4th International Meeting of the Working Group 10 (Turkey) of WPSA, Berlin, Germany.
12. **Hauck R**, Hafez H M (2008): Comparison of methods for diagnosis of Histomoniasis. 7th International Symposium on Turkey Diseases, Berlin, Germany.
13. **Hauck R**, Mundt E (2008): Detection of H5 Antibodies of Turkeys in a newly Developed Species Independent cELISA using Recombinant Antigen. 7th International Symposium on Turkey Diseases, Berlin, Germany.

14. **Hauck R**, Mundt E (2008): Development and validation of a competitive ELISA to detect antibodies against the influenza H5 protein. 145th AVMA Annual Convention, New Orleans, LA.
15. Gad W, **Hauck R**, Krüger M, Hafez H M (2009): Clostridium perfringens beim Geflügel [Clostridium perfringens in poultry]. 77. Fachgespräch für Geflügelkrankheiten, Hannover, Germany.
16. **Hauck R**, Balczulat S, Hafez H M (2009): Molecular investigations on Histomonas meleagridis detected in Germany between 2004 – 2009. 5th International Meeting of the Working Group 10, Berlin, Germany.
17. **Hauck R**, Hafez H M (2009): beta-Tubulin als mögliches Ziel für Wirkstoffe gegen Histomonas meleagridis und die taxonomische Stellung von H. meleagridis [beta-tubulin as a possible target for compounds against Histomonas meleagridis and the taxonomic position of H. meleagridis]. 76. Fachgespräch für Geflügelkrankheiten, Hannover, Germany.
18. **Hauck R**, Hafez H M (2009): The beta-tubulin sequence of H. meleagridis suggests susceptibility against Benzimidazoles and confirms the phylogenetic position of H. meleagridis. 146th AVMA Annual Convention, Seattle, WA.
19. **Hauck R**, Popp C, Balczulat S, Hafez H M (2010): Reoccurring outbreaks of histomonosis on a multiple species farm. 8th International Symposium on Turkey Diseases, Berlin, Germany.
20. **Hauck R**, Hafez H M (2011): Wie kommen Histomonaden in Geflügelbestände? [How do histomonads get into poultry flocks?] Tagung der DVG-Fachgruppe Parasitologie und Parasitäre Krankheiten, Berlin, Germany.
21. **Hauck R**, Kohls A, Hafez H M (2011): Can pigeons be carriers of Histomonas meleagridis? 6th International Symposium on Turkey Production, Berlin, Germany.
22. Lotfi A, **Hauck R**, Olias P, Gruber A D, Hafez H M (2011): Pathogenesis of Histomonosis in experimentally infected SPF layers and SPF broilers. XVII Congress of the WVPA, Cancun, Mexico
23. **Hauck R**, Balczulat S, Hafez H M (2012): Investigations on the carbohydrate metabolism of Histomonas meleagridis. 9th International Symposium on Turkey Diseases, Berlin, Germany.
24. **Hauck R**, Balczulat S, Hafez H M (2012): Investigations on the in vitro culture of Histomonas meleagridis. 2nd International Symposium on Protozoal Infections in Poultry, Wien, Austria.
25. **Hauck R** (2014): “Leg weakness” in turkeys: Causes and approaches for solutions. 10th International Symposium on Turkey Diseases, Berlin, Germany.
26. **Hauck R**, Hafez H M (2014): Sequencing of two ORT reference strains. 10th International Symposium on Turkey Diseases, Berlin, Germany.
27. **Hauck R**, Chin R, Senties Cue G, Carnaccini S, Shivaprasad H L (2015): Retrospective study of histomonosis (blackhead) in california turkey flocks, 2000-2013. 64th Western Poultry Disease Conference, Sacramento, CA.
28. **Hauck R**, Chin R, Senties Cue G, Carnaccini S, Shivaprasad H L (2015): Cases of Histomonosis in California turkey Flocks in the years 2000-2014. 8th "Hafez" International Symposium on Turkey Production, Berlin, Germany

29. **Hauck R**, Hafez H M (2015): Full genome sequences of ort strains show high homology. 64th Western Poultry Disease Conference, Sacramento, CA
30. **Hauck R**, Wallmann J, Kaspar H (2015): Resistance profiles of Escherichia coli and Staphylococcus aureus isolates from turkeys in Germany. 8th "Hafez" International Symposium on Turkey Production, Berlin, Germany
31. Nazmi A, **Hauck R**, Corbeil L, Gallardo R A (2016): Immune response enhancement of live attenuated vaccines against poultry respiratory viruses. 65th Western Poultry Disease Conference, Vancouver, Canada
32. **Hauck R**, Senties-Cue G, Stoute S, Carnaccini S, Chin R P, Noiva R, Gallardo R A, Shivaprasad H L (2016): Retrospective study of transmissible viral proventriculitis in broiler chickens in central California: 2000-2014. 65th Western Poultry Disease Conference, Vancouver, Canada
33. **Hauck R**, Shivaprasad H L, Senties-Cue G, Gallardo R A (2016): Mutations during embryo adaption of avian encephalomyelitis virus. 2nd UC Davis Postdoctoral Research Symposium, Davis, Ca
34. **Hauck R**, Chin, R P, Shivaprasad H L (2016): Isolation of Ornithobacterium rhinotracheale from turkeys in central California between 2000 and 2012. 11th International Symposium on Turkey Diseases. Berlin, Germany
35. **Hauck R**, Shivaprasad H L (2016): Histomoniasis in turkey flocks before and after the ban of nitarsone. AVMA Annual Convention 2016, San Antonio, TX
36. **Hauck R**, Shivaprasad H L, Gallardo R A (2016): Mutation of avian encephalomyelitis virus during embryo adaption. AVMA Annual Convention 2016, San Antonio, TX
37. **Hauck R**, Crossley B, Zhou H, Gallardo R (2017): Inactivation of high and low pathogenic avian influenza viruses in footbaths and their persistence in poultry manure. 66th Western Poultry Disease Conference, Sacramento, CA
38. **Hauck R**, Nociti S R C, Shivaprasad H L, Gallardo R A (2017): Pathogenesis after infection of broilers with an infectious bronchitis virus with increased enteric tropism. AVMA Annual Convention 2017, Indianapolis, IN
39. **Hauck R**, Mays J, Dunn J, Shivaprasad H L (2018): Marek's Disease in a Bourbon Red Turkey. 12th International Symposium on Turkey Diseases, Berlin, Germany
40. **Hauck R**, Mays J, Dunn J, Shivaprasad H L (2018): Marek's Disease in Backyard Turkeys. AVMA Annual Convention 2018 (Histopathology/Case report interest group), Denver, CO
41. **Hauck R**, Carrisosa M, McCrea B, Macklin K S (2018): Detection of coccidia and other parasites in fecal samples from chicken backyard flocks. AVMA Annual Convention 2018, Denver, CO
42. **Hauck R**, Macklin K S (2019): Avian coccidiosis-clostridiosis complex: pathogenesis and control. 12th AVEM International Congress 2019, Queretaro, Mexico
43. **Hauck R**, Gallardo R A (2019): Biosecurity and practical management of disinfectants in avian influenza. 12th AVEM International Congress 2019, Queretaro, Mexico

44. **Hauck R**, Hamilton M, Wang X, McCrea B, Carrisosa M, Macklin K S (2019): Eimeria spp. in chickens: Efficacy of two alternative products and influence on the gut microbiota. 68th Western Poultry Disease Conference, Puerto Vallarta, Mexico
45. **Hauck R**, Hamilton M, Wang X, McCrea B, Carrisosa M, Macklin K S (2019): Apple cider vinegar and green tea are not effective against a mixed challenge of chickens with Eimeria spp. but influence the intestinal microbiota after challenge with Eimeria spp.. 4th International Symposium on Parasite Infections in Poultry, Vienna Austria
46. **Hauck R**, Stoute S, Savaris T, Shivaprasad H L (2019): Flagellate parasites: Morphology vs biotechnology. AVMA Annual Convention 2019 (Histopathology/Case report interest group), Washington DC
47. **Hauck R**, Carrisosa M, Macklin K S, Wang C (2019): Development of a multi-locus sequence typing (MLST) scheme for Eimeria maxima. AVMA Annual Convention 2019, Washington DC
48. **Hauck R** (2019): Coccidia & Microbiota. NC-1202 meeting, Chicago IL
49. **Hauck R**, Morey A, Monu E, Basgier C, Wright A (2020): Writing Assignments in Undergraduate Poultry Production Curricula. Poultry Science Association Meeting 2020, virtual
50. **Hauck R**, Beckmann J, Oladipupo S, Dormitorio T, Macklin K S, Bethonico-Terra M T (2021): Detection of Heterakis gallinarum and Histomonas meleagridis DNA in darkling beetles and litter after depopulation of chicken houses. 70th Western Poultry Disease Conference, virtual
51. **Hauck R**, Carrisosa M, Bethonico Terra M T, McCrea B A, Macklin K S (2021): Epidemiologie von Kokzidien in Geflügel in konventionellen Ställen und in Freilandhaltung [Epidemiology of coccidia of poultry in conventional houses and in free ranging flocks]. 100. Fachgespräch über Geflügelkrankheiten, Hannover, Germany/virtual.
52. **Hauck R**, Eckert J, Carrisosa M (2021): Effectiveness of Anticoccidials and Coccidia Vaccination in Broiler Chickens Analyzed by Network Meta-Analysis. AVMA Annual Convention 2021, virtual.
53. **Hauck R** (2022): Intestinal health: a puzzle with too many pieces. 71st Western Poultry Disease Conference, Vancouver, BC, CA.
54. **Hauck R**, Eckert J, Hunter C (2022): Using Eimeria lesion scores and fecal oocyst counts in addition to final body weight as parameters in floor pen studies. AVMA Annual Convention 2022, Philadelphia, PA
55. **Hauck R** (2022): The intestinal health network. AVMA Annual Convention 2022 (Enteric Disease Committee of the American Association of Avian Pathologists), Philadelphia, PA
56. **Hauck R**, Pietruska A, Bortoluzzi C (2023): Meta-analysis of the changes in the predicted metagenome functional content after infection with coccidia and/or Clostridium perfringens. 72nd Western Poultry Disease Conference, Sacramento, CA.
57. **Hauck R** (2023): Current research on enteric diseases of poultry at Auburn University. ALVMA Food Animal Conference, Auburn, AL.
58. **Hauck R** (2023): Enteric Health. Emerald Coast Veterinary Conference, Miramar Beach FL.

59. **Hauck R** (2023): *Histomonas meleagridis* – life cycle and transmission. Poultry Science Association 112th Annual Meeting Abstracts, Philadelphia, PA.
60. **Hauck R**, Pietruska A, Nankemann J (2023): Comparison of two different pipelines to analyze RNAseq data from chicken organs. Meeting of the American Association of Avian Pathologists, Jacksonville, Fl.
61. **Hauck R** (2023): Auburn report. Annual Meeting of Multistate Project NE 1834
62. **Hauck R** (2024): Comparing the effectiveness of anticoccidial drugs and anticoccidial vaccination in broiler chickens. 16th AVEM International Congress 2024, Pachuca, Mexico.
63. **Hauck R** (2024): Effect of *Eimeria* spp. and *Clostridium perfringens* infection on the microbiota and necrotic enteritis of broiler chickens. 16th AVEM International Congress 2024, Pachuca, Mexico.
64. **Hauck R**, Santini M, Pietruska A, Khalid Z (2024): The intestinal microbiota of “normal” chickens. 73rd Western Poultry Disease Conference, Salt Lake City, Ut.
65. **Hauck R** (2024): Biosecurity in Poultry: A tale of two diseases. Meeting of the Southeastern Biological Safety Association. Auburn, Al.
66. **Hauck R** (2024): Auburn report. Annual Meeting of Multistate Project NE 2334.
67. **Hauck R**, Santini M, Pietruska A, Khalid Z (2024): Beschreibung und Funktion des „normalen“ Darmmikrobioms von Hühnern. 107. Fachgespräch für Geflügelkrankheiten, Hannover, Germany
68. **Hauck R** (2024): Effect of *Eimeria* spp. and *Clostridium perfringens* on the microbiota and necrotic enteritis of broiler chickens. Decimosexto Congreso Internacional Aviespecialistas de Mexico. Pachuca, Mexico.
69. **Hauck R** (2024): Comparing the effectiveness of anticoccidial drugs and anticoccidial vaccination in broiler chickens. Decimosexto Congreso Internacional Aviespecialistas de Mexico. Pachuca, Mexico.
70. **Hauck R** (2024): What do you mean by “dysbacteriosis”? International Congress of the Peruvian Association of Veterinarian Specialist in Poultry 2024. Lima, Peru.
71. **Hauck R** (2024): Managing coccidia in broilers: a three-pronged approach. International Congress of the Peruvian Association of Veterinarian Specialist in Poultry 2024. Lima, Peru.
72. **Hauck R**, Santini M, Pietruska A, Khalid Z (2024): Characterization of the predicted metagenome function of “normal” microbiota in chicken intestines. Meeting of the American Association of Avian Pathologists, St. Louis, MO.
73. **Hauck R**, Khalid Z, Fathima S (2025). Changes in the transcriptome of chicken embryo organs after inoculation with avian reovirus. 74th Western Poultry Disease Conference, Calgary, CA.
74. **Hauck R**, Tabish RW, Lin Y, Rochell SJ, Pacheco WJ, Bailey MA, Dozier WA, Robinson K (2025). Shifts in the jejunal and cecal microbiota of broilers with subclinical enteric infection. Poultry Science Association Pacific Rim Scientific Conference, Macau, Macau.
75. **Hauck R**, Khalid Z, Lopes T (2025): Immune Responses against RNA Viruses Investigated by Transcriptome Analysis. Meeting of the American Association of Avian Pathologists, Portland, OR.
76. **Hauck R** (2025): Auburn report. Annual Meeting of Multistate Project NC 1180.