



### CRWAD 2024 - POSTER PRESENTATIONS ACCEPTED (Nov. 12, 2023)

Submitter	Title	All authors
Abou-Rjeileh	UCP1 expression in adipose tissue of Holstein dairy cows	Ursula Abou-Rjeileh, Adam L. Lock, G. Andres Contreras,
Ager	Global trends in antimicrobial resistance on organic and conventional farms	Eldon Ager, Tamilie Carvalho, Erin Silva, Steven Ricke, Jessica Hite
Ahmad	Molecular epidemiology of Mycoplasma capricolum subsp. capripneumoniae; causative agent of contagious caprine pleuropneumonia in Pakistan	Faisal Ahmad, Faisal Ahmad, Farhan Anwar Khan, Muhammad Saeed, Hayatullah Khan
Alpizar-Boza	Antimicrobial resistance and beta-lactamase genes in Escherichia coli from swine feces and carcasses in Costa Rica	A. Alpizar-Boza, H. Fernández-Carvajal, A. Molina-Alvarado, L. Muñoz-Vargas
Alvarez-Norambuena	Detection of multiple influenza A virus subtypes at the single pig level under field conditions	Joaquin Alvarez-Norambuena, Chong Li, My Yang, Marie Culhane, Montse Torremorell
Ancuceanu	African Swine Fever - epidemiological evolution on farms and wild boars in an Eastern-European Country, 2018-2022	Beatris Corina Ancuceanu, Marius Grigore, Cristina Stoica, Daniel Donescu, Monica Motiu, Raluca Badulescu, Florica Barbuceanu
Aravamuthan	Benchmarking of computer vision algorithms on cloud platforms for the detection of digital dermatitis in dairy cows	Srikanth Aravamuthan, Emil Walleser, Dorte Dopfer
Ardalan	Seroprevalence of SARS-CoV-2 in bison and other wildlife species using different serological assays	M. Ardalan, K. R. Cool, N. N. Gaudreault, D. Bold, C. Rojas, A. Mannix, J. F. R. Seetahal, J. A. Richt, R. M. Pogradichniy,
Areda	Isolation, identification and development of lactic acid bacteria and yeast as starter cultures for the production of "teff" (Eragrostis tef) injera	Ayewew Meresa, Hirut Assaye, Takele Habitu, Demelash Areda
Areda	Estimation of basic reproduction number (R0) and analysis of spatio-temporal clustering of bovine brucellosis in Costa Rica	Ronald Castillo, Demelash Areda
Areda	Association of pandemic coronavirus disease (covid-19) with chronic disease burden: predictive model analysis	Demelash Areda
Aurfan	Comparing ownership of agricultural animals in Macomb county and Genesee county, Michigan	Jannath Aurfan, A. E. Bauer
Avais	Plant-derived Zinc oxide nanoparticles in combination with antibiotics generates Synergistic effect against bovine mastitis pathogens	M. Avais, R. Aziz, Jawaria A. Khan, S. Sana
Avais	Preliminary assessment of newly developed Escherichia coli mastitis vaccines in laboratory animals: Promising Results	S. Jabeen, M. Avais, Jawaria A. Khan, K. Ashraf, Aftab A. Anjum
Bahadur	Antimicrobial resistance surveillance pilot in healthy food animals in Pakistan	Sami Ullah Khan Bahadur, Muhammad Usman Zaheer Muhammad Farooq Tahir Muhammad Abubakar, Muhammad Athar Abbas Muhammad Usman Talib Javaria Alam, Hamid Irshad Riasat Wasee Ullah 0
Baye	Unraveling the nexus of farm-level biosecurity and disease reporting: Evidence from regret minimization models	Richmond Baye Asim Zia, Scott Merrill, Eric Clark Julie Smith Christopher Koliba
Baza	overcoming maternal antibody interference: intra-cloacal vaccination against infectious bursal disease	Mohamed Abaza

Submitter	Title	All authors
Bhimavarapu	Environmental antimicrobial resistance threats to food safety and security	Kiranmayee Bhimavarapu, Geoffrey Williams, Camila Rodrigues, Andre Silva, Melissa Boersma, Laura Huber
Bickmeier	Antimicrobial susceptibilities of enterococcus from calves treated with chlortetracycline for anaplasmosis control	Naemi P. Bickmeier, Alyssa R. Toillion, Brandt C. Skinner, Tippawan Anantata, Raghavendra G. Amachawadi, Calvin Liu, Emily J. Reppert, Johann F. Coetzee, Kathryn E. Reif
Brindle	Factors influencing Ontario dairy producers' management and care of down dairy cattle.	J.E. Brindle, D.L. Renaud, T. Duffield, D. Haley, C.B. Winder
Brindle	Factors influencing Ontario dairy veterinarians' management and care of down dairy cattle.	J.E. Brindle, D.L. Renaud, T. Duffield, D. Haley, C.B. Winder
Broadbent	Characterizing infectious bursal disease virus (IBDV) reassortment and antigenic drift in the USA	Andrew Broadbent, Sofia Egana-Labrin, Andrew Brodrick, Milos Markis, Shankar Mondal
Carossino	Virus replication kinetics and risk of spillback of cervid-adapted SARS-CoV-2 variants in deer and wildlife	Mariano Carossino, Wellesley Dittmar, Udeni Balasuriya, Juergen Richt, Natasha Gaudreault, Côme Thieulent, Igor Morozov, Jeffrey Hall, Ganwu Li
Chae	Clinical cases of severe fever with thrombocytopenia syndrome in dogs	Sun-Woo Han, Joon-Seok Chae
Chowdhury	Novel pseudorabies virus (PRV) vectored subunit vaccine against African swine fever	Selvaraj Pavulraj, Caleb S Kleinpeter, Shafiqul I Chowdhury
Cordero	Development of a multispecies double-antigen ELISA using RBD and N proteins to detect antibodies against SARS-CoV-2	Maritza Alejandra Cordero Ortiz, Mónica Reséndiz-Sandoval, Freddy Dehesa-Canseco, Mario Solís-Hernández, Jahir Pérez-Sánchez, Carlos Martínez-Borges, Verónica Mata-Haro, Jesús Hernández
Cox	The effects of hygiene standards pre- and post- COVID shutdown on fever and diarrhea incidence in a daycare	Jeremiah Cox, Matt Salerno, Jenessa Winston, Jiyoun Lee, Kelly Baker, Rebecca Garabed
Curtiss	Development of mucosally administered multivalent vaccine to prevent poultry infection by multiple Eimeria species	Shifeng Wang, Roy Curtiss, Soo-Young Wanda, Mark Jenkins
Danelyan	Brucellosis among swine in the Republic of Armenia	Hrant M. Danelyan, Pertsh G. Tumanyan, Ashkhen A. Hovhannisyan
Derkach	African swine fever in Georgia	Larisa Derkach
Doub	Bovine papular stomatitis virus as a vaccine vector for cattle	Gustavo Delhon, Sushil Khatiwada, David Doub, Seth Harris, Sabal Chaulagain, Mostafa El-Gaffary, Daniel L. Rock
Dreyer	Extensive SARS-CoV-2 genomic survey supporting farmed white-tailed deer health	Jamin Dreyer, Francisco Ferreira, Carlos Rodriguez, Gabriel Hamer, Ashbeel Roy, Sarah Hamer
Dudley	Identification of virulence and antimicrobial resistance genes in Salmonella isolates from cattle	Ethan Dudley, Paul Morley, Matthew Scott, Lee Pinnell, Brandy Burgess, Robert Valeris-Chacin
Dudley	Pathogenomics of the respiratory Mycoplasma bovis strains circulating in cattle	Ethan Dudley, Sal Lamsal, Paul S. Morley, Matthew Scott, Lee Pinnell, Hatem Kittana, Robert Valeris-Chacin
Dunn	Enhancing the production of type I interferons to create rationally-defined Marek's disease vaccines	John Dunn, Maria Bahamon Naranjo, Sonsiray Alvarez Narvaez, Steven Conrad, Jef Boeke
Dunn	US-UK Collab: Influence of vaccines, host genetics, and mutation rates on the evolution of infectious diseases	John Dunn, Jody Mays, Cari Hearn, Hans Cheng, Margo Chase-Topping, Samantha Lycett, Andrea Doeschl-Wilson
Dwivedi	Real-time digital dermatitis detection in cows on an Android/iOS app using computer vision techniques	A. Dwivedi, M. Henige, D. Doepfer, S. Aravamuthan
Edache	Early-gestation nutrient restriction in dairy heifers may impair duodenal development in the offspring	D. Edache, A. Frau, A. Gallo, F. Mossa, A.S. Atzori
Enger	Intramammary infections in primigravid heifer mammary glands during progressing stages of gestation	B. D. Enger, M. X. S. Oliveira, P. H. Baker, C. S. Gammariello, K. M. Enger, M. A. McGuire, J. Williams

Submitter	Title	All authors
Fair	Transboundary avian zoonotic infectious diseases and migratory birds: strengthening and connecting research and surveillance networks	Nisreen AL-Hmoud, Mu'men Alrwashdeh, Andrew Bartlow, Jeanne Fair, Annie Elshoff, Lara Fakhouri, Zurab Javakhishvili, Fares Khoury, Denys Muzyka, Jennifer Owen, Jean Tsao, Lela Urushadze
Fernandes	Development of an inducible expression cassette for <i>Leptospira</i> spp. and optimization of current CRISPR/Cas9 mutagenesis strategies	Luis G.V. Fernandes, Ana L.T.O. Nascimento, Jarlath E. Nally
Fries-Craft	Anti-IL-10 does not affect broiler systemic IL-10 concentrations in models with or without <i>Salmonella Typhimurium</i>	K. Fries-Craft, S. Schmitz-Esser, E.A. Bobeck
Gelgie	Dual RNA-seq in <i>Mycoplasma bovis</i> and mammary epithelial cells following cell line and intramammary infection	Aga E. Gelgie, Benti D. Gelalcha, Oudessa K. Deگو
Gennett	Evaluating estimated carbon emissions and feedlot production data to address beef sustainability	Deanna M. Gennett, Taylor B. McAtee, David G. Renter
Hanafy	Development and testing of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> DIVA vaccines in ruminants	Mostafa Hanafy, Maria Alejandra Colombatti Olivieri, John P. Bannantine, Denise K. Zinniel, Raul G. Barletta
Henige	Effect of NutriTek supplementation on pro-inflammatory cytokines in steers inoculated with digital dermatitis	Marlee Henige, Kelly Anklam, Sair Ordaz Puga, Matthew Aviles, Summer Henschel, Julia Buettner, Ilkyu Yoon, George Dawson, Jeffrey Wheeler, Doerte Doepfer
Hernandez	High energy diet does not affect body condition score in a subset of late lactation dairy cows	Thiago Cuhna, Pedro Monteiro, JP Martins, Milo Wiltbank, Laura Hernandez
Hissen	Effects of dietary glutamate supplementation on the respiratory burst of leukocytes in Hybrid Striped Bass	Karina Hissen, Wenliang He, Michael Criscitiello, Guoyao Wu
Holmes	Upregulation of antileukoproteinase in neonatal foals and postpartum mares	Camille M. Holmes, Bettina Wagner
Huynh	Colonization kinetics and mechanisms of <i>Listeria monocytogenes</i> in the bovine gastrointestinal tract	Yuxing Chen, Mariana Paiva Rodrigues, Zepeng Tu, Cheta Siletti, Tu-Anh Huynh
Ijaz	On-farm epidemiology, virulence analysis, and molecular evidence of methicillin-resistant <i>Staphylococcus aureus</i> at goat farms	M Ijaz, M.U Javed, A Ahmed, H Rasheed, M.J Sabir
Inzana	Progress on development of an "intelligently-designed" vaccine to prevent diseases due to <i>Histophilus somni</i>	Thomas J. Inzana, Dianjun Cao, Amelia Woolums, Merrilee Thoresen, Kelsey M. Harvey
Islam	Small molecules as antibiotic-alternatives for the control of <i>Rhodococcus equi</i> infection in horses	M.M. Islam, B. Lamichhane, K. A. Shaaban, L. V. Ponomareva, J. S. Thorson, Y. A. Helmy
Jannat	Examining air component dynamics in dairy farm milking parlors and cross-ventilated barns	Afrin Jannat, Diego Manriquez
Kabir	Antimicrobial resistance patterns and virulence determinants of <i>Salmonella</i> spp. in necropsied livestock and equines	A. Kabir, C. Glover, S. Locke, E. Erol, Y.A. Helmy
Kabir	Animal Health and Zoonoses Knowledge among Livestock Farmers in Pakistan-Afghanistan Border	Abdul Kabir Muhammad Abubakar
Kapczynski	Genetic and serological comparison between current highly pathogenic avian influenza H5Nx virus clade 2.3.4.4	Darrell Kapczynski, Kelsey Briggs, Ryan Sweeney, Karen Segovia, Klaudia Chrzastek, Samantha Lycett, Lonkeke Vervelde, Daniel Perez, Lu Lu, Wenjun Liu, Paul Digard
Kartskhia	Brucellosis surveillance in Georgia in 2020-2022 years	Natia Kartskhia, Tengiz Chaligava, Vladimer Baratashvili, Marina Donduashvili
Kenney	Genomic evaluation of <i>Salmonella enterica</i> ser. Dublin in cattle and humans in the United States: 1986-2022	Sophia M. Kenney, Nkuchia M. M'ikanatha, Erika Ganda
Khatiwada	Pathogenesis of reoviral arthritis in turkeys derived from vaccinated breeder hens	Saroj Khatiwada, John Ngunjiri, Patricia A. Boley, Kush Kumar Yadav, Carolyn M. Lee, Chang-Won Lee, Saad Gharaibeh, Gireesh Rajashekara, Scott P. Kenney

Submitter	Title	All authors
Kim	A CRISPR screen identifies host factors involved in PRRSV replication in a pig macrophage cell line	Jiyoun Kim, Christopher J. Davies, Brian B. Gowen, Dongwan Yoo, Young-Min Lee
Kim	Virtual reality technology as a training tool on personal protective clothing and equipment use for dairy farms	Elizabeth Kim, Pedro Boscan, Isaac Fraire, Morgan Jones, Cyane Tornatzky, Aracely Diaz, Marie Vans, Wenjing Jiang, Sangeeta Rao
Kolp	Prevalence of canine intestinal parasites at public dog parks in Central Appalachia	Matthew R. Kolp, M. Marcello, A. Holt, B. Hamilton, A. Lagos, K. Hill, K. Rossi
Kramer	The future of SARS-CoV-2 in ecological communities - project outline	Andrew Kramer, Barbara Han, Payel Das, Michael Letko
Lambrou	Vet-ting for victory: exploring bison producers' access to veterinary services in Ontario, Canada	Natassia H Lambrou, Kelsey L Spence, Charlotte B Winder,
Lamsal	Optimization of targeted enriched metagenomics protocol to obtain strain-level data for <i>Mycoplasma bovis</i> in respiratory samples from cattle	Sal Lamsal, Christopher Panaretos, Ethan Dudley, Lee Pinnell, Matthew Scott, John Richeson, Hatem Kittana, Paul S. Morley, Robert Valeris-Chacin
Legere	SARS-CoV-2 pseudovirus infects equine bronchial epithelial cells in vitro	R.M. Legere, A.R. Allegro, Y. Affram, B.P. da Silveira, J.L. Fridley, K.M. Wells, N. Oezguen, R.C. Burghardt, G.A. Wright, J. Pollet, A.I. Bordin, P. de Figueiredo, J.L. Leibowitz, N.D. Cohen
Leonard	Dose titration assessing the impact of an intramammary liposome-TLR agonist (LTC) on differential somatic cell count	Emily Leonard, Brian Crooker, Steve Dow, Luciano Caixeta
Liu	Immunogenicity and protection of a novel glycoengineered vesicle vaccine against <i>Glaesserella parasuis</i>	Jinjing Liu, Isabel A. Carvalho, Yung-Fu Chang
Lo	Measures to prevent infectious diseases of fish in aquaculture	Awa Seck, Elimane Lo, Keon Dova
Lopez	Epithelial-dendritic cell cross-talk during bovine cryptosporidiosis	Deborah Molehin, Brina S. Lopez
Lyimo	Effect of <i>Brucella</i> spp. infection on the milk microbiome in cattle and goats: implications for disease transmission	Beatus M Lyimo, Charles Mayenga, Samson Lyimo, Lidia Munuo, Daniel Malkiadi, Amina Abdalla, Waziri Mlewa, Stephanie Bierly, Erin K Box, Cheryl D Gleasner, Lingling Li, Maurice Byukusenge, Isabella Cattadori, Erika Ganda, Earl Middlebrook, Jessica Radzio-Basu, Andrew Bartlow, Peter Hudson, Coletha Mathew, Zachariah E Makondo, Jeanne M Fair, Vivek Kapur, Joram Buza, Robab Katani
Lyte	Impact of heat stress on the chicken cecal bacterial metagenome and luminal serotonin	Xinglin Jia, Gregory Phillips, Valentina Caputi, Karrie Daniels, Mark Lyte, Joshua Lyte
Ma	Big-data genomic investigation to improve dairy cattle health	Li Ma, Zhengguo Xiao, Curt P. VanTassell, Christian Maltecca, Kristen P. Gaddis, Pamela R. Adkins
Mahmoud	Deletion of a single gene abrogates the ability of mycobacterial pathogens to establish a persistent infection	Asmaa Mahmoud, Gaber Abdellrazeq, Victoria Hulubei, William Davis
Marsh	Agricultural animal ownership in Michigan's most urban counties: an exploratory assessment	Courtney Marsh, A.E. Bauer
McCoy	Molecular markers of early equine post-traumatic osteoarthritis	Annette McCoy, Troy Trumble, Alexander Lipka
McDanel	Characterization of the respiratory microbiome and virome associated with Bovine Respiratory Disease Complex	Tara McDanel, Bernadette Earley, Louise Cosby, Kerrie Duffy, Mark McGee, Larry Kuehn, Aspen Workman, Gavin Conant, Paul Cormican, Matthew McCabe, Catherine Duffy, Hannah Turkington, Ken Lemon, Michael McMenamy, Victoria Smyth, Timothy Smith
McGahan	Modeling host behavior and environmental transmission of chronic wasting disease	Ian McGahan, F Mandujano, D. Storm, Marie Gilbertson, S Lichtenberg, J Powell, W Turner, D Walsh, J Zhu
Menghwar	Enhanced phagocytosis and complement-mediated killing of <i>Mannheimia haemolytica</i> with <i>neuA</i> gene deletion	Harish Menghwar, Fred M. Tatum, Robert E. Briggs, Eduardo Casas, Rohana P. Dassanayake

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Miller	Validation of a live-virus PRRSV vaccine candidate for efficient attenuation and better protection	Laura C. Miller, Sarah J. Anderson, Alexandra Buckley, Erin Schirtzinger, Kaitlyn M. Sarlo Davila, Damarius Fleming, Albert Van Geelen, Kelly Lager, Jiuyi Li, Yongming Sang
Mosaddegh	Exploration of descriptive machine learning approaches on antimicrobial resistance patterns in <i>Salmonella enterica</i>	Abdolreza Mosaddegh, Claudia Cobo Angel, Maya Craig, Kevin J. Cummings, Casey L. Cazer,
Moustafa	Transcriptomic insights into tissue-specific expression in the invasive Asian long-horned ticks	Mohamed A. M. Moustafa, Dana Price
Muthuraj	Retrospective analysis of farmed cervid respiratory samples, 2016-2023	Philma Glora Muthuraj, Annabelle Burnum, Solomon Odemuyiwa, Tamara Gull
Mwangi	Broadly protective bovine parainfluenza 3 virus and bovine viral diarrhea virus vaccine	Tae Kim, Huldah Sang, Waithaka Mwangi
Nazir	An integrated approach to develop an anthrax-free model area in Bangladesh	K.H.M.N.H. Nazir
Nelson	Programming the immune system for resilience: maternal and neonatal vitamin D supplementation	Corwin D. Nelson, Kieran Meade, John Driver, Jose Santos, K.C. Jeong, Haipeng Yu
Norton	Identification of gene by environment interactions influencing equine metabolic syndrome genomic risk alleles	Elaine Norton, Molly McCue, Cyprianna Swiderski
Noyes	Fecal microbiota transplant (FMT) as a tool for the mitigation of respiratory virus infections in nursery pigs	Yale Deng, Pratiksha Khanal, Aubrey Deavours, Ada G. Cino-Ozuna, Megan Niederwerder, Noelle Noyes
Ogundijo	A multi-state survey of farm-level preparedness towards African Swine Fever outbreak in Nigeria	O.A. Ogundijo, O.O. Omotosho, A.I. Al-Mustapha, J.O. Abiola, E.J. Awosanya, A. Odukoya, S. Owoicho, M. Oyewo, A. Ibrahim, T.G. Orum, M.B. Nanven, M.B. Bolajoko, P. Luka, O.K. Adeyemo
Ojha	Isolation and characterization of <i>Pseudomonas aeruginosa</i> bacteriophage to treat canine skin infections	S. Ojha, C. Pye
Oliva Chavez	Evaluation of extracellular vesicles as anti-tick vaccines in white-tailed deer	Julia Gonzalez, Cristina Harvey, Carita de Souza Ribeiro-Silva, Brenda Galvan-Leal, Kelly Persinger, Tammi Johnson, Adela Oliva Chavez
Olsen	Humoral responses of elk to experimental challenge	Paola Boggiatto, Ellie Putz, Steven Olsen
Osei-Bonsu	Protective antigens of ASFV Georgia-07	David Doub, Jehadi Osei-Bonsu, Herman Chambaro, Gustavo Delhon, Edan Tulman, Daniel L. Rock
Pachniak	The effect of pair housing in dairy calves on immune function and stress response to weaning and social mixing	K.N. Pachniak, L.S. Caixeta, M.C. Cheeran, S.M. Godden, N.R. Noyes, W.A. Knauer
Park	Noncytotoxic bovine viral diarrhea virus induces autophagy in RAW 264.7 cells	Yu-Jin Park, Kyoung-Seong Choi
Park	First trials and development of effective caseous lymphadenitis inactivated vaccine in South Korea	Gyeong-Seo Park, Byoung-Joo Seo, So-Min Lee, Min-A Jeong, Dong-Geun Cho, Won-Il Cho, Chong-Han Kim
Pasternak	Investigating the developmental correlates of fetal susceptibility to PRRSV infection	Dayeon Y. Jeon, Kaylyn Rudy, Alyssa A. Smith, Ryan A. Cabot, J.Alex Pasternak
Peng	Goblet cells in swine enteroids are not infected by <i>Lawsonia intracellularis</i> during the first 24 hours of exposure	Yvonne Peng, Caitlin Klauel Milena Saqui-Salces, Connie J. Gebhart
Petersson	Efficacy of <i>Bacillus thuringiensis</i> crystal protein X2 against <i>Haemonchus contortus</i> in lambs	Katherine H. Petersson, Elizabeth P. Kass
Pham	Spatiotemporal dynamics of bacillus anthracis infection transmission in northern Vietnam, 2022-2023	Van Khang Pham, C. Metrailler Morgan, Tan Luong Minh, Minh Hoa Luong, Thanh Hai Pham, Bich Ngoc Do, Jiranantasak Treenate, Thi Lan Huong Vu, Thanh Long Pham, Thi Mai Hung Tran, Nhu Duong Tran, Thuy Oanh Kim, H. Norris Michael, Quang Thai Pham, Thi Thu Ha Hoang, K. Blackburn Jason

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Putz	Circulating foamy macrophages and other features of Mycobacterium bovis BCG challenge in Golden Syrian hamsters	Ellie Putz, Claire Andreasen, Judith Stasko, Camila Hamond, Steven Olsen, Jarlath Nally, Mitchell Palmer
Rajao	Safe and broadly cross-protective live attenuated influenza virus vaccines for use in swine	Daniela Rajao, C. Joaquin Caceres, Brianna Cowan, Tavis Anderson, Amy Vincent Baker, Daniel Perez
Rajashekara	Novel peptides derived from probiotics as antibiotic alternatives to control colibacillosis in poultry	Menuka Bhandari, Antonia Duran, Katie Galgozy, Dipak Kathyath, Yosra Helmy, James Fuchs, Gireesh Rajashekara, Dhanashree Lokesh, Mark Foster,
Rajput	Participatory surveillance of ticks and tick-borne diseases of livestock in Pakistan	Mahvish Rajput, Muhammad Sohail Sajid, Olivier Andre Sparagano,
Ramamoorthy	A minimally replicative PRRSV vaccine targeting improved safety and efficacy	Wenjuan Fang, Sheela Ramamoorthy
Rehan	Effect of cinnamon ethanolic extract on hematology and histopathology in Salmonella pullorum infected broilers	Tayyab Rehman, Sarmad Rehan, Anas Sarwar Qureshi, Muhammad Kashif Saleemi
Renukaradhya	Swine immune reagent development and characterization for monitoring pig immune status and biomedical research	Gourapura J Renukaradhya, Crystal Loving, Joanna LaBresh, Raksha Suresh, Milan Royer, Kristen E Walker, Jovan Aquino, Joan K Lunney
Ruiz Gil	Spatial epidemiology of bovine tuberculosis in San Luis Potosi, Mexico	A.K. Ruiz-Gil, Gregorio Alvarez-Fuentes, Osvaldo Fonseca-Rodriguez, Alberto Gomez-Buendia, Pilar Pozo, L.E. Hernandez-Arteaga, Gilberto Ballesteros-Rodea, Julio Alvarez
Scott	2023 update on the impact of management decisions on BRD morbidity, mortality, and performance in beef calves	Sarah Capik, Robert Larson, Brad White, David Amrine, Brandi Karisch, Kelsey Harvey, Jane Parish, Amelia Woolums, Hudson McAllister, 0, Matthew Scott, 0,
Scott	Update on the molecular epidemiological assessment of beef cattle management systems	Bradly Ramirez, Hudson McAllister, Sarah Capik, Robert Valeris-Chacin, Kelsey Harvey, Brandi Karisch, Amelia Woolums, Paul S. Morley, Lee Pinnell, Matthew Scott,
Serobyanyan	Registered Cases of Anthrax in the Gegharkunik Region of the Republic of Armenia in June 2021	Hayk Serobyanyan, Pertsh Tumanyan
Sexton	Testing for heavy metals in drinking water collected from the Dog Aging Project	Courtney Sexton, Sam Rodgers, Janice O'Brien, Amber Keyser, Mandy Kauffman, Matthew Dunbar, Audrey Ruple
Sezer	Investigation of Anaplasma phagocytophilum by molecular method in Ixodid ticks in the Mersin region	Osman Sezer, Nuran Delialioğlu
Sidamonidze	Comprehensive whole genome sequencing and comparative analysis of Brucella melitensis and Brucella abortus Isolates from humans and livestock in Georgia	Ekaterine Khmaladze, Ketevan Sidamonidze, Jeffery Foster, John Gillece, Paata Imnadze
Skibieli	Wildfire smoke impacts on dairy cattle performance and health and the molecular and cellular mechanisms involved	Amy Skibieli, Pedram Rezamand, Denise Konetchy, Jenifer Cruickshank, Jeffrey Abbott
Smith	Comparative genomics of Listeria monocytogenes isolated from small specialty crop farms (sscf) in northeast Ohio	Shonna Smith, Menuka Bhandari, Mike Kauffman, Jelmer Poelstra, Gireesh Rajashekara
Soboll Hussey	Characterization of the role of EHV viral genes for neuropathogenesis and immune regulation in horses	Gisela Soboll Hussey, Glorian Berríos-Vázquez Amie Wilson, Melissa Esser, Lutz Goehring, Nikolaus Osterrieder, Swati Sharma, Trevor Gilbert
Sokacz	Temporal identification of bovine leukemia virus in dairy youngstock and impact on milking herd prevalence	Madison E. Sokacz, Kelly R. B. Sporer, Casey Droscha, Paul Bartlett, Bo Norby, Tasia M. Taxis
Southey	Alternative splicing in the hypothalamus exposed to prenatal porcine reproductive and respiratory virus and weaning	Y. Shen, B.R. Southey, A.M. Antonson, R.A. Nowak, R.W. Johnson, S.L. Rodriguez Zas
Southey	Hypothalamic disruptions in response to maternal infection with porcine reproductive and respiratory syndrome virus	S.I.M Alsegehy, B.R. Southey, A.M. Antonson, R.A. Nowak, R.W. Johnson, S.L. Rodriguez-Zas
Spatz	Generation of a Newcastle Disease Vaccine That Protects Against Infectious Laryngotracheitis and Marek's Disease Which Can Be Delivered in Ovo	stephen spatz, sherif ibrahim, lei he, qingzhong yu

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Spatz	Generation of a Newcastle disease vaccine that protects against infectious laryngotracheitis and Marek's disease	Stephen Spatz, Sherif Ibrahim, Lei He, Qingzhong Yu
Spatz	Generation of a Newcastle disease vaccine that protects against infectious laryngotracheitis and Marek's disease.	Stephen Spatz, Sherif Ibrahim, Lei He, Qingzhong Yu
Stanton	Genotyping avian reovirus genomic segments	James B. Stanton, Kelsey T. Young, Holly S. Sellers, Vicente A. Avila Reyes, Morgan L. Cunningham, JoAnna D. Bowers, Crosby S. Casto
Tegegn	Bayesian modeling of bovine tuberculosis prevalence estimates of intensive dairy farm	B.A Tegegn, B. Gumi, G. Ameni, R.L. Smith, G. Mamo
Tegegn	Status of bovine tuberculosis control, knowledge, and practices of dairy farmers about the disease in Ethiopia	B.A. Tegegn, G. Mamo, B. Gumi
Telfer	The WC1 multigenic array in the immune response to zoonotic pathogens in agricultural species	Lauren Le Page, Oriana Attridge, Cynthia L. Baldwin, Janice C. Telfer
Thenissery	Investigating efficacy and mechanism of action of novel small molecule inhibitors of avian pathogenic E. coli	Anusree Thenissery, Dhanashree Lokesh, Yosra A Helmy, Dipak Kathayat, Gary Closs Jr, Katie Galgozy, James R Fuchs, Gireesh Rajashekara
Tibbs-Cortes	Analysis of the vaginal and fecal microbiota of pregnant elk following Brucella abortus challenge	Bienvenido Tibbs-Cortes, Faith Rahic-Seggerman, Stephan Schmitz-Esser, Paola Boggiatto, Steven Olsen, Ellie Putz
Tlotleng	Molecular characterization of canine parvovirus in domestic dogs presented to veterinary clinics in Botswana.	K. Tlotleng, A. Abdallah, D.M. Pfukenyi, S.S. Ramabu, E.A.M. Anis
Tobin	A commensal bacterium protects chickens against necrotic enteritis	Isabel Tobin, Jing Liu, Melanie Whitmore, Markus Kim, Zijun Zhao, Jiaqing Guo, Joy Scaria, Glenn Zhang
Tsaguria	Characterization and molecular typing of brucella strains isolated from humans in Georgia 2020-2023	KetevanNCDC scientist project manager Sidamonidze, Jeff Foster, Paata Imnadze, Daviti Tsaguria
Tufa	Qualitative review on anthrax outbreak : a thematic analysis approach	Y.A Tufa
Turner	Cellulose nanomaterials: A novel adjuvant and delivery system for aquaculture vaccine applications	Jacob Holbrook, Michael Mason, Kora Kukuk, Blake Turner, Deborah Bouchard, Sarah Turner
Vardanyan	Screening for lumpy skin disease (LSD) in high-risk areas of Armenia	Khachik Sargsyan, Satenik Kharatyan, Varduhi Hakobyan, Hasmik Elbakyan, Tigran Markosyan, Tigranuhi Vardanyan
Weaver	Identification of avian influenza resistance host factors through CRISPR/Cas9 knockout screening in DF-1 cells	Evelyn A. Weaver, Tae H. Kim,
Wilson	Cytochrome P450 pathway dynamics during experimental bovine coliform mastitis	J.D. Wilson, T. Nyholm, D. Zimmerman, J. Lippolis, V. Mavangira
Wilson-Welder	Haemonchus contortus vaccine using novel controlled release delivery in sheep	Darby Harris, Doug Jones, Carly Kanpie, Paola Boggiatto, Wenbin Tuo, Steven Olsen
Yasir	Presence and diversity of Leptospira in domestic animals, rodents, and mongooses in Puerto Rico communities	Ammar Yasir, Luis J. Santiago Ramos, Natalia Coriano Ralph Rivera Gutierrez Ilana J. Schafer, Melissa Mueller, Jarlath E. Nally, Camila Hamond, Karen LeCount, Tammy Anderson, Renee Galloway, Claudia Munoz-Zanzi
Yeoman	Development and optimization of bovine ileum organoid models	Carl Yeoman
Young	Investigating resistome SNP profiles of litter from pens of broilers exposed to different in-feed antimicrobials	Jared G. Young, Randall Singer, Noelle Noyes