

Career and Postdoctoral Positions at the USDA/ARS-National Animal Disease Center

The USDA/ARS-National Animal Disease Center (NADC) has multiple job opportunities for virologists, molecular virologists, microbiologists, veterinary pathologists and veterinarian-scientists. Research in these positions include shipping fever; mycoplasma; pestiviruses (Bovine Viral Diarrhea, Border Disease Virus, HoBi-like viruses); prion diseases; mastitis; influenza; enteric pathogens affecting food safety; swine virology; bovine respiratory diseases; and other infectious diseases. These projects have a rich tradition at NADC. Veterinary pathologists in training, fully trained, and those board-certified have state-of-the-art facilities, equipment, computational resources (supercomputer/computational biologists), collaborations among multidisciplinary scientists, and a stimulating culture/chemistry in veterinary pathology consisting of 6 other pathologists at NADC, 12 pathologists at the broader facility National Center for Animal Health and pathologists at nearby Iowa State University.

Career Positions. Mycoplasma, Pestivirus (BVD), Mastitis, Swine Virology, and two Research Leader positions will be announced on USAJobs.gov later in 2022 and early 2023. There are two vacancies for a Veterinary Medical Officer (VMO) or Microbiologist working with *Mycoplasma mycoides mycoides*, and two vacancies for a VMO or Microbiologist working with pestiviruses (BVD). There is one position for Mastitis, and one for Swine Virology. There are also searches for two Research Leader Positions (managing a Research Unit): one in Food Safety and Enteric Pathogens and a second Research Leader in Virus and Prion Disease Research. Look for these in months to come (at USAJobs, as above) and feel free to contact Dr. Ackermann (below).

Post Doctoral Positions. There are several Post Doctoral positions for virologists, molecular virologists, microbiologists, veterinary pathologists and veterinarian-scientists. There is one federally funded Postdoctoral position for a Molecular Biologist or Animal Scientist to work in co-infection models associated with bovine respiratory diseases (shipping fever). There are two Post Doctoral positions in prion diseases of livestock, one in SARS-CoV-2 models, and two in influenza (virology and computational). Postdoctoral positions are available at the QR codes (next page) or go to: www.zintelllect.com and seek postdoc positions listed above.

NADC is in Ames, Iowa, and the researchers have the potential to collaborate with scientists nationally and internationally at various institutions, nearby Iowa State University and other ARS locations (e.g., US Meat Animal Research Center, in Clay Center, NE, the Animal Diseases Research Unit, in Pullman, WA, National Bio and Agro Biodefense Facility in Manhattan, Kansas). The NADC conducts basic and applied research on selected diseases and food safety pathogens of economic relevance to the US livestock industries. NADC has state-of-the-art laboratories and facilities including one of the world's largest BSL3 facilities for large animals and BSL3 for laboratory animals. A complete list of research areas are listed (next page).

For additional inquiries contact:



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Disease projects at NADC include:

- Influenza in swine, also poultry/wild birds
- SARS-CoV-2 in domestic animals, deer, elk, mink
- *Mycobacterium bovis* in cattle and wildlife (deer, elk)
- *Mycobacterium paratuberculosis* in cattle
- Brucellosis in livestock and wildlife
- Foodborne pathogens *E. coli*, *Salmonella sp*, *Campylobacter sp*
- Transmissible Spongiform Encephalopathies (Prion diseases) including:
Chronic Wasting Disease (CWD) in White-Tailed Deer (WTD), Bovine spongiform encephalopathy in cattle and Scrapie in sheep
- Mastitis in Dairy Cattle
- Viral and bacterial pneumonia of ruminants including:
Bovine viral diarrhea virus, Bovine coronavirus, Bovine Respiratory syncytial virus, Bovine herpesvirus (Infectious bovine rhinotracheitis), *Mannheimia haemolytica*, *Pasteurella multocida*, *Histophilus somni*, *Mycoplasma bovis*, *Mycoplasma mycoides*
- Spirochetal diseases of livestock and wildlife including
Leptospirosis, Interdigital dermatitis
- Porcine bacterial and viral infections including:
Streptococcus suis, *Glaesserelia parasuis*, *Streptococcus equi subspecies zooepidermicus*, Porcine reproductive and respiratory syndrome virus (PRRSV), Swine enteric coronavirus, Senecavirus A



Post-doc
Virology
(influenza)

Post-doc
Computational
(influenza)

Meet the
influenza team
(Flu crew)



Post-doc
Microbiologist working
with *Mycoplasma
mycoides*



Post-doc
prion diseases of livestock
2 positions
DVM, PhD, or DVM/PhD Eligible



Post-doc
SARS-CoV-2
DVM, PhD, or
DVM/PhD Eligible