

Research Associate Position

Baker Institute for Animal Health College of Veterinary Medicine

Cornell University Ithaca New York

The laboratory of Dr. Alex Travis within the Baker Institute for Animal Health at Cornell University, College of Veterinary Medicine, is seeking a Research Associate candidate with experience in biochemistry and cell biology. Our lab explores a diverse set of subjects, including sperm function and physiology, and nano-technology and creation of novel medical diagnostics. The successful candidate will work on both NIH funded research aiming to investigate lipid regulation of ion channels in human and mouse sperm, as well as an externally-funded project on diagnostics for viral diseases.

The successful candidate will:

1. Design and implement experimental procedures to investigate lipid-channel interactions in reproduction and metabolism;
2. Utilize a wide range of approaches including biochemical, molecular, cellular and biophysical (particularly microscopy);
3. Design and perform experimental procedures to advance a diagnostic that can distinguish among multiple viruses that cause similar symptoms (e.g., distinguish among viral respiratory pathogens);
4. Utilize a wide range of techniques under the broad heading of virology including nucleic acid extraction, protein purification, protein biochemistry, protein-protein interactions, enzyme assays, and tissue culture;
5. Support and co-lead writing of scientific papers and grant proposals;
6. Supervise undergrad and grad students.

Qualifications: Ph.D. in related fields. Experience with virology, cell biology, biochemistry, cell culture, and enzyme assays is desired. Effective written and verbal communication skills are essential for participating in our multi-disciplinary team. Strong work ethic, creativity, enthusiasm, and ability to work in a team are required.

This is a Full-time, one-year appointment with possible extension depending on funding and performance.

The salary range for this position is \$59,592 to \$90,000, depending on qualifications and experience.

To apply visit <https://academicjobsonline.org/ajo/jobs/26779> and submit a cover letter, full CV, and contact information of three professional references. In addition, we ask applicants for all positions to share their experiences and/or approaches (past, current, or future) to fostering learning, research service, and/or

outreach in a diverse community. Applicants may choose to submit a stand-alone statement or embed the information in other parts of their application materials. Applications will be reviewed as received, and the position will remain open until filled.

If you have any questions, please email Dr. Alex Travis directly at: ajt32@cornell.edu.

Diversity and Inclusion are a part of Cornell University's heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans and Individuals with Disabilities. The University seeks to meet the needs of dual career couples and has a Dual Career program to assist with dual career recruitment.

The Cornell University College of Veterinary Medicine is recognized internationally as a leader in animal medicine, veterinary medical education, public health, and biomedical research.