

Research Fellow I/II - Genomics/Bioinformatics
Auburn University

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Posted Apr. 30, 2025, set to expire Oct. 31, 2025

Job Title	Research Fellow I/II - Genomics/Bioinformatics
Department	Pathobiology
Institution	Auburn University Auburn, Alabama
Date Posted	Apr. 30, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Faculty Associate
Academic Field(s)	Pathology/Pathobiology
Job Website	https://www.auemployment.com/postings/52960

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Job Description

The [**College of Veterinary Medicine's Pathobiology Department**](#) is seeking a **Research Fellow I/II** to join the laboratory of **Dr. Xu Wang**, an Associate Professor in Pathobiology. Dr. Wang also serves as an Adjunct Faculty Investigator at HudsonAlpha Institute for Biotechnology in Huntsville, AL—a renowned center for genome medicine and agricultural genomics.

This position offers the opportunity to contribute to cutting-edge research in a dynamic and collaborative environment. If you're eager to expand your research skills in a dynamic and collaborative environment, we encourage you to apply! To learn more about Dr. Wang's work, visit his faculty profile: [**Dr. Xu Wang's Faculty Profile**](#).

The selected candidate will have the opportunity to work in a **state-of-the-art laboratory** at the **Center for Advanced Science Innovation and Commerce (CASIC) Building** in the **Auburn Research Park**—a hub for cutting-edge research and collaboration. This role offers a unique chance to engage in groundbreaking projects at the intersection of genomics, bioinformatics, and canine

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performance sciences.

As a key member of Dr. Wang's research team, you will collaborate closely with experts at both Auburn University and the **HudsonAlpha Institute for Biotechnology**, gaining exposure to advanced bioinformatics and genetic research. Additionally, you'll have an exclusive opportunity to work with **Auburn University's Canine Performance Sciences**—a world-renowned research program focused on detection dogs.

In this role, you will analyze unprecedented behavioral genomic data, including whole-genome PacBio Revio HiFi sequencing data from over 200 dogs in a multi-generation extended pedigree. This dataset, combined with extensive longitudinal behavioral phenotyping, offers a rare and exciting chance to contribute to discoveries that could transform the fields of genetics, animal behavior, and biotechnology.

If you're passionate about genomics, bioinformatics, and real-world applications of cutting-edge research, this is a truly one-of-a-kind opportunity to be part of something groundbreaking!

The selected candidate will have an exciting opportunity to contribute to cutting-edge computational research, analyzing large-scale phenotypic and genomic data with real-world applications in animal health, genetic enhancement, and behavior genomics. This role is **100%** computational, allowing for deep dives into complex datasets that drive innovation in genetics and biotechnology.

As part of this position, you will receive comprehensive training, gaining expertise in omics data analysis, research reporting, and proposal writing, while also having the chance to explore additional projects related to detection canines. This is a fantastic opportunity to develop specialized skills in one of the most dynamic and impactful areas of animal genomics.

Additionally, you will become an integral member of the Detection Canine Science, Innovation, Technology, and Education (DCSITE) program team, which provides expert insights to the U.S. Department of Homeland Security. This interdisciplinary program brings together top researchers in analytical chemistry, genetics, genomics, reproduction, veterinary and sports medicine, olfactory neuroscience, behavior and cognition, metrology, and engineering—all working to advance the science of detection canines.

If you're looking for a role that combines cutting-edge computational research with real-world impact, this is an incredible opportunity to learn, grow, and contribute to groundbreaking advancements in the field. For more information, please visit: <https://www.vetmed.auburn.edu/dcsite/>.

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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