

Tenure-Track: Assistant Professors of Comparative Genomics

Texas A&M University: College of Veterinary Medicine and Biomedical Sciences

Location

College Station, Texas

Open Date

Aug 19, 2025

Description

The College of Veterinary Medicine & Biomedical Sciences (VMBS) at Texas A&M University (TAMU) invites applicants for four fully budgeted, 9-month full-time, tenure-track faculty positions at the Assistant Professor rank in comparative genomics. This recruitment is part of a cluster hire for the new Center for Comparative Genomics (CCGEN) in collaboration with the College of Agriculture & Life Sciences and Texas A&M AgriLife Research. We seek energetic individuals applying innovative comparative genomics approaches, leveraging long-read sequencing technologies and pangenomic concepts, to better understand the genomic architecture of complex traits, disease conditions, and adaptation in managed and natural populations of animals. The successful candidates will have appointments in the departments of Veterinary Integrative Biosciences or Veterinary Pathobiology. The anticipated start date is open, but most likely August 1, 2026.

We are particularly seeking individuals with research experience in any of the following four thematic areas:

Animal genomics: Individuals using whole genome comparisons to connect genetic variation to phenotypes relevant to disease susceptibility/resistance, morphology, and reproduction.

Biomedical genomics: Individuals leveraging comparisons between distantly related organisms with complete genome assemblies aimed at identifying the fundamental units of gene regulation that dictate development and organismal health and applying this knowledge in a translational framework.

Biodiversity & Conservation genomics: Individuals applying cutting-edge comparative genomic methods at the population and species levels to assess the genetic health of endangered species to improve population management and implement recovery programs through genetic rescue.

Structure and function of complex genomic regions: Individuals studying the function and diversity of genomic "dark matter" in complex eukaryotic genomes, including retroelement and satellite variation in normal physiology and disease.

The successful applicants will join a vibrant group of highly collaborative and productive scientists working in the field of comparative genomics across numerous animal species. Faculty members working in this area are distributed primarily across multiple departments in the College of

Veterinary Medicine & Biomedical Sciences and the College of Agriculture & Life Sciences. These faculty members are integral to the broader TAMU Interdisciplinary Program in Genetics and Genomics (GGEN), a collaborative and nationally and internationally influential group of [faculty](#) and their trainees from twenty departments in six colleges. The faculty is supported by state-of-the-art next-generation [genomics facilities](#) and computational infrastructure housed in the [High-Performance Research Computing center](#). Beyond the genetics and genomics community, broad collaborative opportunities are available across campus, including the potential to work with clinical veterinarians within the VMBS, and members of interdisciplinary faculties in reproductive biology, toxicology, environmental health, and neuroscience.

The successful candidates will be expected to develop and sustain a vigorous extramurally funded research program. In addition, candidates will be expected to contribute to recruiting and training graduate students in either the GGEN Ph.D. program or the Genomics & Bioinformatics track within the Biomedical Sciences graduate program housed in the VMBS. They will also be expected to teach one undergraduate or graduate-level course, conditional on the candidate's interests and departmental/programmatic needs. All tenure-track and tenured faculty members are expected to provide service to their academic department, college, or Texas A&M University and the professional community. Faculty members are expected to commit to holding themselves and colleagues accountable to the [VMBS code of professional conduct](#).

Qualifications

Applicants must have a PhD degree and relevant postdoctoral experience in the life sciences and a track record of research excellence in the field of genetics and genomics. Candidates must have a strong scholarly record and the potential to obtain competitive extramural funding to support their research. A strong track record of peer-reviewed publications and evidence of potential for teaching and mentorship are also required.

Application Instructions

Applicants must submit a cover letter, curriculum vitae, a personal statement that includes the applicant's philosophy and plans of research, teaching, and service, and contact information for five references via Interfolio at apply.interfolio.com/171798.

The review of applicants is anticipated to begin on September 15, 2025, and continue until each position is filled.

Questions can be sent to the attention of: Ms. Eleni Vonda (ccgen@tamu.edu) or Dr. William J. Murphy (wmurphy@cvm.tamu.edu), Search Committee Chair.