

Cornell University College of Veterinary Medicine

Advertisement

Biobank Research Associate

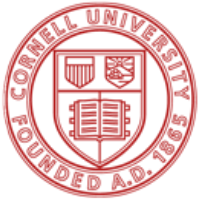
The successful candidate is the primary lead on biospecimen science and laboratory operations at the Cornell Veterinary Biobank, an ISO 20387 accredited resource, providing biological material and associated data to the research community worldwide, and a member of the Dog Aging Project Biobank team, at the Cornell University College of Veterinary Medicine. The Dog Aging Project is an innovative initiative that brings together a collaborative, interdisciplinary, nationwide team of researchers to carry out the most ambitious canine science health study in the world to improve our understanding of the aging process in both dogs and humans.

The Biobank team is guided by our Core Values:

- We conduct rigorous scientific research using an interdisciplinary approach that encourages innovation.
- We build opportunities for collaboration, partnership, and growth that allow us to solve complex problems together.
- We value ethical behavior over expediency, which means we prioritize and ensure animal safety and welfare, maintain participant privacy and security, and practice participant and canine advocacy.
- We commit to transparency in all that we do, which includes sharing our scientific methods, making the data we collect openly available, declaring our funding sources, and communicating clearly with our team, our partners, and the public.
- We engage the public as citizen scientists, present evidence-based information in an accurate and accessible way and provide educational opportunities for our participants.
- We foster a diverse, equitable, and inclusive working environment that is a growth opportunity for all and encourages a healthy work-life balance.
- We act with kindness, compassion, and respect toward all, including our team, our participants, our partners, and the public.

Responsibilities include:

- Collaborating with principal investigators or faculty sponsors in the design and implementation of research projects or programs in the field of biobanking/biospecimen science or related fields, including the writing of funding proposals for research projects and contracts; Preparing research reports and papers for publication;
- Designing, executing, and planning biobank activities or experiments with principal investigators or faculty sponsors in the field of biospecimen science, biobanking, or quality management;
- Supervising research and laboratory operations of biobank team members;
- Training personnel on biobanking activities including specimen processing, database entry, and operation of complex equipment;



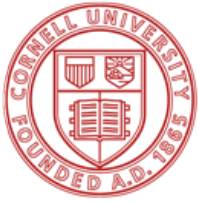
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- Participating in formulation of biobanking methods, creating documented procedures (SOPs), to include specimen processing and equipment use/maintenance SOPs; Developing and implementing quality control protocols for biobanking processes in compliance with ISO 20387:2018;
- Providing biobank-related consultations to a wide variety of technical and professional personnel, internal or external to Cornell University; Conducting biospecimen withdrawal consultations;
- Supervising or assisting with blood and tissue specimen processing, storage, quality testing, and distribution; Coordinating and receiving biospecimens from external sources;
- Supervising the collection, analysis, and retrieval of complex data, including patient demographic, medical/phenotypic information, biospecimen pre-analytical variables, and storage location;
- Participating in the development and maintenance of a biobank information management system (database); troubleshooting database entry errors; suggesting future improvements in data measurement;
- Collaborating in developing new techniques and instruments;
- Testing and incorporating complex equipment, supplies, and technology into the biobank program; Diagnosing, troubleshooting, and coordinating repair of biobank equipment;
- Maintaining correspondence and records of research procedures; assisting in preparation of IACUC and/or IRB protocols;
- Serving as a biospecimen science subject matter expert; representing DAP and CVB at conferences, trainings, and meetings;
- Performing other duties as requested

Employees of the Biobank must adhere to the CVB's Quality Assurance system, confidentiality statement, standard operating procedures, and organizational policies. Employees are expected to meet all of the Cornell University Staff Skills for Success, which are essential for individual and organizational success. Employees may be required to work outside of normal business hours.

Required Qualifications:

- Candidates are required to hold a Ph.D or D.V.M./Ph.D. degrees and to have at least two years of equivalent postdoc associate experience. The candidate will have a track record of publications in leading journals
- Ability and desire to acquire new technical skills in the wet lab and biobanking space
- Ability to set goals and achieve them in a timely fashion, and a commitment to excellence
- Strong desire to contribute to a project with direct application to human health
- Proficient with a variety of commercial software applications with the ability to learn new software quickly; technologically savvy with the ability to effectively troubleshoot equipment/software issues
- Excellent communication, interpersonal, and organizational skills, strong leadership skills



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- Ability to interact with a variety of clientele; positively influence and guide stakeholders
- Demonstrated initiative (self-starter), ability to multi-task, work under pressure/constraints and meet deadlines
- Skilled at employee relations including team building, facilitating teams and problem solving
- Demonstrated skills to develop, implement, and maintain biobank quality standards, performance metrics and benchmarks, collect and analyze data, and report to management
- Ability to teach, technically train, and provide biobank-related consultations to a wide variety of technical and professional personnel

Preferred Qualifications:

- Experience in implementing quality management systems and process compliance with an ISO standard
- Working knowledge of ISO 20387:2018 and ISO/IEC 17025:2017
- Experience in the field of biobanking and biospecimen science
- Technically skilled and creative researcher that can effectively communicate with our clinical collaborators. The ideal candidate will have exceptional communication and organizational skills, timely data generation, and excellent multitasking abilities

50%

Supervising research and laboratory operations of biobank team members;

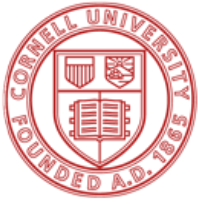
Collaborating with principal investigators or faculty sponsors in the design and implementation of research projects or programs in the field of biobanking/biospecimen science or related fields, including the writing of funding proposals for research projects and contracts;

Designing, executing, and planning biobank activities or experiments with principal investigators or faculty sponsors in the field of biospecimen science, biobanking, or quality management;

Training personnel on biobanking activities including specimen processing, database entry, and operation of complex equipment;

Providing biobank-related consultations to a wide variety of technical and professional personnel, internal or external to Cornell University;

Supervising or assisting with blood and tissue specimen processing, storage, quality testing, and distribution; Coordinating and receiving biospecimens from external sources;



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Participating in formulation of biobanking methods, creating documented procedures (SOPs), to include specimen processing and equipment use/maintenance SOPs;

Conducting biospecimen withdrawal consultations;

30%

Supervise the collection, analysis, and retrieval of complex data, including patient demographic, medical/phenotypic information, biospecimen pre-analytical variables, and storage location;

Participating in the development and maintenance of a biobank information management system (database); troubleshooting database entry errors; suggesting future improvements in data measurement;

Preparing research reports and papers for publication;

Collaborating in developing new techniques and instruments;

Developing and implementing quality control protocols for biobanking processes in compliance with ISO 20387:2018;

10%

Testing and incorporating complex equipment, supplies, and technology into the biobank program; Diagnosing, troubleshooting, and coordinating repair of biobank equipment;

Serving as a biospecimen science subject matter expert; representing the DAP and CVB at conferences, trainings, and meetings;

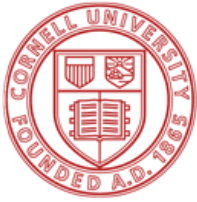
10%

Maintaining correspondence and records of research procedures; assisting in preparation of IACUC and/or IRB protocols;

Perform other duties as requested.

Cornell University embraces diversity and seeks candidates who will create a climate that attracts students of all races, nationalities, and genders. We strongly encourage women and underrepresented minorities to apply. The University seeks to meet the needs of dual-career couples, has a Dual Career program, and is a member of the Upstate New York Higher Education Recruitment Consortium to assist with dual-career searches.

Cornell is in Ithaca on the shores of Cayuga Lake in the beautiful Finger Lakes region of New York. Ithaca is a vibrant city with art museums, theaters, and a diverse selection of restaurants. It



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is within driving distance of several large metropolitan centers, award-winning wineries, and downhill skiing areas. Ithaca is a nature-lovers paradise with ample opportunities for outdoor activities. Easy campus-to-campus bus transportation allows one to explore or develop collaborations in NYC while enjoying the “Ithaca is Gorges” lifestyle.

Electronic application submission is through Academic Jobs Online:
<https://academicjobsonline.org/ajo/jobs/24922>

The required sections of the application include a cover letter including a statement of career goals; curriculum vitae; statements of teaching philosophy and goals, research interests and plans; and email addresses for 3 referees who will be invited to upload letters to the application site. Applicants are also invited to upload a Statement of their Contributions to Inclusion and Diversity.

What is a Statement of Contributions to Inclusion and Diversity?

This statement invites applicants to describe their past, present, and/or future aspirations to promote equity, inclusion, and diversity in their careers as researchers and educators and/or to convey how they see these commitments continuing at Cornell. Such articulation can focus on teaching, research, service, or all three factors. More information can be found here:
<https://facultydevelopment.cornell.edu/information-for-faculty-candidates/>.

Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students and staff impart an uncommon sense of larger purpose and contribute creative ideas to further the university’s mission of teaching, discovery, and engagement. With our main campus in Ithaca, NY, Cornell’s far-flung global presence includes the medical college’s campuses in Manhattan and Doha, Qatar, as well as the Cornell Tech campus on Roosevelt Island in the heart of New York City.

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.