Clinical Pathology Residency - Cummings School of Veterinary Medicine at Tufts University

The Veterinary Clinical Pathology Residency at the Cummings School of Veterinary Medicine at Tufts University, is a 3-year program. Its purpose is to provide the resident with a comprehensive, in-depth educational experience in all aspects of veterinary clinical pathology, while also providing adequate time for self-directed learning.

Resident training is supported by a diverse group of faculty, including 4 clinical pathologists and 5 anatomic pathologists. The Cummings Veterinary Diagnostic Laboratory (CVDL) has a rich variety of cases including cases from the Cummings School's hospitals and clinics, consisting of primarily dogs, cats, exotic and zoologic species, with a lesser number of horses, alpacas, small ruminants, and wildlife. Opportunities for engagement in independent and collaborative research are available, with a strong emphasis on collaboration in clinical research and clinical trials operated by our Clinical Trials Office (CTO). Graduate research opportunities, if desired, include but are not limited to NIH-funded research projects in infectious disease, cardiovascular research, and cancer research.

PROGRAM LEARNING OUTCOMES
- Goal 1: The residency involves intensive training in all aspects of Veterinary Clinical Pathology, including hematology, clinical chemistry, coagulation, and cytology, with additional training in surgical biopsy and learning laboratory instrumentation and quality control practices. Additional training will be provided in advanced diagnostic techniques, including flow cytometry, molecular testing, and digital pathology.
- Goal 2: Residents should master the fundamentals of pathophysiology, molecular and cellular biology, immunology, and biostatistics.
- Goal 3: Residents should develop the ability to find and critically evaluate information available in the literature and public databases for use in research and for resolving challenging/unusual clinical cases.
- Goal 4: Residents should develop the ability to solve problems and think critically in the evaluation of hypothesis-driven, biomedical research and to perform collaborative research.
- Goal 5: Residents should learn to communicate effectively with audiences encountered in a pathology career, including students, specialists, and the general public, using a variety of media and formats.

- Goal 6: Residents should have a clear knowledge of the basis for and importance of maintaining high ethical standards and personal integrity in all aspects of a career in biomedical sciences.

During this training program, the resident will be expected to:

- Perform diagnostic work in the clinical pathology service, and to a lesser extent, the biopsy service on a rotating basis.
- Participate in after-hours service, once the desired level of competence is attained.
- Participate in journal clubs, rounds, and other discussion groups.
- Complete an online and/or in-person course on analysis of bone marrow.
- Contribute to DVM training by participation in clinical rotations, DVM wet laboratories, and didactic lectures. Participate in scholarly activity and publications as primary author or co-author?
- Present a poster or oral presentation in at least one national or international meeting.

The starting salary will be $50,000, with an annual salary adjustment each year of the program. In addition, medical benefits and travel support to regional and national meetings are available. Cummings School is situated in Grafton, MA on a 600-acre pastoral campus, forty-five minutes west of Boston and next door to Worcester, the second largest city in Massachusetts. There is a regional rail service stop adjacent to campus and easy access to cultural and sporting events. The campus is a short drive from beautiful beaches, mountains, and other unique features of New England. The area is a hub of biotechnology and higher education. Housing is readily available close to campus or in any number of surrounding towns.

CANDIDATE APPLICATION REQUIREMENTS
Interested applicants must possess a DVM (or equivalent degree) and provide evidence of academic strengths and commitment towards pursuing a career in veterinary clinical pathology. Preference is given to candidates with one to two years of post-doctoral clinical experience (e.g., those who have completed an internship) and/or some research experience (e.g., Masters, PhD).

Applicants should provide a CV, a letter of interest, a copy of their veterinary school transcript, and the names and contact information for three references. . A professional grade point average (GPA) at or above the minimum of 3.0 on a scale of 4 (A=4, B=3, C=2, D=1), is required. Under rare circumstances, students who do not have these minimum GPA requirements may be considered if there is compelling evidence of the individual's potential for success that is not reflected in the GPA.

Letters of reference must be submitted from three individuals familiar with the academic work of the applicant. At least two of these references must be from university or college faculty members. The letters must be on the official institutional letterhead.

Foreign applicants must meet the Tufts University requirements for the Test of English as a Foreign Language (TOEFL) or the [International](#) English Testing System (IELTS) if their native language is not English or if they have not graduated from an institution at which the curriculum is taught in English (https://vet.tufts.edu/graduate-admissions/phd-program-admissions/apply-phd-program).

Documents should be emailed to Dr. Joyce S. Knoll at Joyce.Knoll@tufts.edu. The anticipated start date is July 15, 2025. Applications will be accepted until the position is filled.