

University of California–Davis

Don Low Fellowship in Clinical Pathology

The University of California-Davis has a Don Low Fellowship position available in Veterinary Clinical Pathology. Training emphasizes analytical and interpretive skills in diagnostic laboratory medicine (hematology, clinical chemistry, cytology); basic principles of pathophysiology and disease; and quality control, test validation, instrumentation and laboratory data management. The fellow will be based in the UC Davis William T. Pritchard Veterinary Medical Teaching Hospital and provide service and consultation to clinicians, technicians, residents, and students under the supervision of clinical pathology residents and board-certified clinical pathologists.

The clinical pathology service includes 4 faculty (ACVP board certified), 3 residents and 10 staff members.

Learning Objectives:

- Become familiar with the anatomic, physiologic, and pathologic terminology commonly used in hematology and cytopathology
- Evaluate blood smears from common veterinary species and be able to:
 - Identify erythrocyte abnormalities and interpret them in a clinical context
 - Perform a manual leukocyte differential count
 - Identify leukocyte abnormalities and interpret them in a clinical context
 - Identify platelet abnormalities and interpret them in a clinical context
 - Identify common hemoparasites
- Interpret biochemistry profiles
- Attain introductory level proficiency in cytopathology:
 - Determine if a sample is of adequate diagnostic quality
 - Identify inflammatory cells and interpret the inflammatory pattern
 - Identify common infectious organisms
 - Identify the major cell types, patterns of alteration and cytologic criteria of malignancy
 - Classify fluid samples based on gross, biochemical and cytologic properties
 - Evaluate washes/lavages
- Become familiar with general diagnostic laboratory operations, including instrumentation