



**DIRECTOR of VETERINARY FORENSIC GENETICS
VETERINARY GENETICS LABORATORY
SCHOOL OF VETERINARY MEDICINE
UNIVERSITY OF CALIFORNIA, DAVIS**

**POSITION
AVAILABLE:**

Assistant/Associate Professional Research Forensic Geneticist

SALARY:

Dependent on qualifications and experience

QUALIFICATIONS:

A PhD in genetics, forensics or relevant field required. Peer reviewed publication in a relevant discipline required. Evidence of excellent personnel management skills required. Experience with quality assurance issues in an accredited forensic genetics laboratory required. Evidence of potential to develop an independent research program in veterinary forensic genetics required. Ability to effectively communicate complex scientific and statistical data in a comprehensible manner to audiences of all educational levels required. Strong background in genetics and a minimum of five (5) years experience with DNA Analysis required. Documented participation in professional forensic societies preferred. Knowledge of and experience with population genetics analyses preferred. Knowledge of ISO (International Organization for Standardization) 17025 standards preferred. Ability to direct and supervise students in graduate level research thesis projects preferred. Knowledge of issues related to animal forensics and animal genetic applications to forensics preferred. A minimum of two years experience as a laboratory manager desired. Experience as an expert witness in DNA Analysis and Interpretation in Federal or State courts desired. Teaching experience, formal or informal in forensic science desired. Knowledge of issues related to human forensics and human genetic applications to forensics desired.

RESPONSIBILITIES:

Research: Responsibilities include: 1) Develop an independent research program in animal forensic genetics, devise and conduct studies designed to further the science of veterinary forensics, collect, summarize and analyze data, and publish research results in peer-reviewed journals as senior author; 2) direct and promote the VGL Forensics Research Program to further the goals of veterinary forensic genetics; 3) maintain and develop collaborations within the University of California and with regional, national, and international agencies and institutions; 4) write proposals for extramural funding to support an independent research program in veterinary forensic genetics; 5) manage grants, design and implement laboratory and field research; and 6) advise, train, and direct the work of scientists, undergraduate and graduate students in applied research in veterinary forensic genetics.

Education: Responsibilities include: 1) Lecture on topics of veterinary forensic genetics to students in the UC Davis Master of Science in Forensic Science program and in the School of Veterinary Medicine, 2) provide educational and research opportunities to students interested in forensic science; 3) instruct visiting scholars in aspects of forensic science; and 4) act as a thesis advisor or Principal Investigator for forensic genetics thesis projects.

University & Public Service: Responsibilities include: 1) Direct the VGL Forensics Laboratory and supervise senior staff; 2) promote the development of documentation and the implementation of operating procedures necessary for laboratory accreditation by the American Society of Crime Lab Directors (ASCLD-LAB); 3) promote the acceptance of animal DNA testing within the judicial system by providing expert testimony and by publication of research findings; 4) provide leadership for informal education of clients and the lay public regarding issues relevant to areas of expertise; 5) maintain contact with and respond to regulatory, state and federal agencies, external groups, industry organizations, and the mass media on issues related to areas of expertise; 6) testify as expert witness in animal forensics in support of casework analyzed by VGL Forensics.

Professional Competence and Activity: Responsibilities include: 1) advance the discipline on a national and international level through participation and leadership in relevant professional societies and educational organizations, including membership on committees; 2) review research proposals, journal manuscripts, and publications related to areas of expertise; 3) attend and participate in professional meetings related to forensic genetics and report on the activities of VGL Forensics; and 4) serve as a member of the Executive Committee for the Veterinary Genetics Laboratory representing the Forensic Program.

**APPLICATION
PROCESS:**

To receive fullest consideration, applications must be received by May 31, 2006; position open until filled. Interested applicants should submit 1) a letter of interest; 2) curriculum vitae; and 3) the names and addresses of three references to: (E-mailed applications should be followed up with signed applications in the mail.)

Niels C. Pedersen, DVM, PhD, Director
Attn: Karen Norvell, Manager (klnorvell@ucdavis.edu)
Veterinary Genetics Laboratory
School of Veterinary Medicine
Davis, CA 95616-8744
Phone (530) 752-8124; FAX (530) 752-3556