The Todhunter/Castelhano and Boyko laboratories seek qualified applicants interested in medical genetics research and training as part of the Clinical Fellows Program in the Cornell College of Veterinary Medicine [http://vet.cornell.edu/BBS/Scientists/ClinicalFellow.cfm](http://vet.cornell.edu/BBS/Scientists/ClinicalFellow.cfm). The applicants must have DVM or equivalent degree and have graduated from a specialist residency program. These two laboratories form the nucleus of the Cornell Biobank, which was established in 2006. The Cornell Biobank archives DNA and limited relevant tissue collected from animals admitted to the Cornell University for Animals. It currently houses DNA and phenotypes on over 9,000 animals. The predominant species represented is the dog. The Biobank received NIH funding and is supported by philanthropic gifts to the College and industry. We are currently genotyping over 4,000 pure breed dogs to map complex traits and diseases related to the orthopedics, oncology, ophthalmology, cardiology, morphology, hepatology, and gastroenterology. We are also pursuing markers for upper airway disease in horses and acquiring resources to undertake genetic mapping of production related traits in dairy cattle. Tools currently used include linkage mapping, GWAS, resequencing, whole genome sequencing, RNA sequencing, and gene expression. In parallel with the molecular genetic research, we maintain a clinical presence for medical genetic consultation and phenotype screening of control dogs in the Cornell University Hospital for Animals. Interested applicants are encouraged to contact Drs. Adam Boyko at [boyko@cornell.edu](mailto:boyko@cornell.edu), Marta Castelhano at [mgc27@cornell.edu](mailto:mgc27@cornell.edu), or Rory Todhunter at [rjt2@cornell.edu](mailto:rjt2@cornell.edu) or at 607 253 3041 for advice and collaboration in writing the first phase letter which is a one page description that outlines the proposed clinical fellowship program. Once approved by the College oversight committee, a full proposal will be sought. Applications for Phase 1 are due by December 15th, 2012.