

**University of North Carolina at Chapel Hill  
Molecular Genetic Pathology Fellowship**

**Description of Program:**

The University of North Carolina Hospitals offers a one year fellowship in molecular genetic pathology. The fellow gains a working knowledge of molecular procedures including Southern blot, *in situ* hybridization/FISH, sequencing, protein truncation test, amplification, tissue microdissection, and array technologies. These procedures are applied in a wide spectrum of clinical settings including oncology, inherited disease, infectious disease, HLA-typing, identification, and pharmacogenetics. The fellow learns to analyze and interpret molecular data from clinical cases and to compose pathology reports. Results are correlated with clinical, morphologic, immunophenotypic, and cytogenetic findings. The fellow learns to design and carry out research aimed at understanding the molecular basis of disease and translating fundamental discoveries into improved patient care. Ethical issues, quality assurance, and lab administration are discussed as they relate to clinical practice. Consider applying for an optional second year of full time research or for our combined 2-year Surgical and Molecular Pathology Fellowship Program. UNC Hospitals has the longest track record of board certifications among all ACGME-accredited molecular genetic pathology training programs.

**Program Website:** [www.pathology.unc.edu/fellowsp/molecular\\_genetic\\_path.htm](http://www.pathology.unc.edu/fellowsp/molecular_genetic_path.htm)

**Requirements:** Candidates must have an MD degree. AP/CP board eligibility/certification is preferred.

**Stipend:** Support is commensurate with the year of postgraduate pathology/genetics training.

**Length of Program:** 12 months

**Application Deadline:** Rolling admissions

**Visas Accepted:** J1 visa

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**Faculty:** Bagnell, Booker, Coleman, Farber, Fine, Fried, Friedman, Funkhouser, Gilligan, Gulley, Kaiser-Rogers, Miller, Muenzer, Nelson, Perou, Powell, Rao, Rasmussen, Schmitz, Shaheen, Skrzynia, Thorne, Weck, Zariwala

**Applications:**

Applicants must meet the following minimum requirements:

Graduates of medical/schools in the United States and Canada accredited by the Liaison Committee on Medical Education (LCME), or Graduates of colleges of osteopathic medicine in the United States accredited by the American Osteopathic Association (AOA), or Graduates of medical schools outside the United States who have completed a Fifth Pathway program provided by an LCME-accredited medical school and who have either (a) a currently valid certificate from the Educational Commission for Foreign Medical Graduates and hold a J1 visa (H1-B visa is not acceptable), or (b) have a full and unrestricted license to

practice medicine in the U.S. licensing jurisdiction. In order to be considered, please submit the following:

1. UNC Hospitals Application for Housestaff Appointment, including the Signed Authorization for Release of Information. (Download the form at [www.med.unc.edu/residency/application.htm](http://www.med.unc.edu/residency/application.htm))
2. Three letters of reference including one from the Program Director of the Residency which the applicant completed or anticipates completing verifying the level of training completed and competency, and two from members of the professional staff of the hospital where the applicant has most recently served.
3. An official Medical School transcript from the Registrar of the applicant's School of Medicine. A photocopy is not acceptable. This need not be submitted at the time of application but must be submitted by the time of interview.