# UNIVERSITY OF PITTSBURGH

**Description:** We provide in-depth anatomic and clinical pathology subspecialty training to prepare candidates for academic, community, and independently funded research careers through single track anatomic or clinical pathology or combined track anatomic and clinical pathology. Single track is encouraged for candidates who know they want to pursue an academic or independently funded research career. Residency in-depth subspecialty training is provided through distinct anatomic and clinical pathology core rotations with anatomic pathology in each of the fellowship subspecialty areas plus renal/electron microscopy, autopsy pathology, and forensic pathology. On all anatomical pathology rotations residents are supported by and work closely with a team of well trained and experienced pathology assistants and clinical fellows. The subspecialty resident training is enhanced by integration with our numerous subspecialty fellowships to which many of our residents are recruited. The department offers fellowships in Surgical Pathology(1), Coagulation (1), Cytopathology (3), Neuropathology (4), Hematopathology (3), Pediatric Pathology (1), Gynecologic and Breast Pathology (3), Bone and Soft Tissue Pathology (1), Thoracic Pathology (1), Transplant Pathology (1), Gastrointestinal Pathology (2), Molecular Anatomic Pathology (1), Genitourinary Pathology (1), Transfusion Medicine (1), Molecular Genetic Pathology (2), Head and Neck Pathology (1), Pathology Informatics (1), and Dermatopathology (1). Clinical pathology core training includes Chemistry, Toxicology, Hematology, Transfusion Medicine and Blood Banking, Immunopathology, Tissue Typing, Molecular Diagnostics and Cytogenetics, Microbiology and Virology, and Informatics. On all clinical pathology rotations, residents work closely with a team of experienced laboratory medicine technologists and supervisors – many with specific assignments to work with residents. The core training also includes four weeks of adult and four weeks of pediatric laboratory management training as a Junior Laboratory Director. Across all areas of training residents are exposed to state-of-the-art technology innovation digital imaging, molecular diagnostics, genomics, quality improvement and patient safety, informatics, and research opportunities. A robust electives program enables candidates to "tailor" their overall training experience, subspecialty training, research pursuits, or preparation for community practice. The research opportunities are enhanced by close cooperation between researchers within the department engaging in basic and clinical research. Our residents are encouraged to and strongly participate by abstract presentations and publications of their work in national meetings and journals. The resident's training is enriched by a multi-academic hospital experience, including adult, pediatric, and women's health specialty hospitals, driven by the location of clinical programs as part of the UPMC Center of Excellence patient care model. Candidates interested in an independently funded research career are considered for our research track through our PIRRT (Pathologist Investigator Residency/Research Training) program where at least one additional year of funded training is provided. The research track is particularly suited to MD PhD candidates.
Full information on the Department of Pathology at UPMC can be found on the Department's website at http://path.upmc.edu.

**Types and Numbers of Appointments:** Currently we are accredited by the ACGME for thirty-three positions. Over the past few years we have on average been staffed with thirty residents. The vast majority of residents enter at the PGY1 level; higher-level resident positions are rarely available.

**Facilities:** The University of Pittsburgh Medical Center (UPMC), located adjacent to the University of Pittsburgh in the Oakland section of Pittsburgh, is the major academic medical center serving central and western Pennsylvania, northern West Virginia and eastern Ohio. An outstanding volume and breadth of experience is obtained through training in five core general and subspecialty hospitals with a total bed capacity of 2,045. UPMC Presbyterian University Hospital, the home of many national and internationally recognized programs, is the major academic hospital and houses many subspecialty areas and research programs in the Department. UPMC Shadyside Hospital, adjacent to the NCI-funded comprehensive Hillman Cancer Center offers excellent exposure to the diversity of material and demands associated with a hospital combining academic medicine and premier community practice as well as outstanding subspecialty training in several areas. Magee-Womens Hospital of UPMC offers an unparalleled experience in cytopathology, gynecologic, breast and perinatal pathology. The Veterans Affairs Medical Center and the Children's Hospital of Pittsburgh provide excellent exposure to geriatric and pediatric pathology. Over 100 faculty at these sites are members of the Department. UPMC has been repeatedly judged among the 'best of the best' hospitals in America in U.S. News and World Report. The University and Medical Center as well as the Department rank among the top seven sites for NIH-funded research with active programs in basic and transplant immunology, cardiovascular biology, neurosciences, cancer biology and genetics, gene therapy, and many other fields. Over 100,000 surgical specimens, 160,000 cytology specimens, 400 autopsies, and 8,000,000 clinical tests were evaluated in primary residency training sites during 2010. Residents receive training in forensic pathology at the Allegheny County Medical Examiner's Office.

**Community:** Hailed repeatedly in surveys as one of America's most livable cities, Pittsburgh no longer produces steel but has transitioned into a center with a diverse service economy featuring a large number of major corporate headquarters. Western

Pennsylvanians are gracious and friendly, even when cheering professional sports franchises in baseball, football and hockey or college teams. Among the most beautiful cities in the United States, Pittsburgh offers an interesting blend of rivers, bridges, skyscrapers, hills, tunnels, distinctive public buildings, and affordable and safe neighborhoods. Recreational opportunities lie close by including excellent skiing, hiking, fishing, camping, boating, kayaking and white-water rafting; very few areas can boast as interesting or challenging a diversity of private and public golf courses. A rich array of cultural opportunities includes the Carnegie Museums and Library, vigorous theater programs, and the world-class Pittsburgh Symphony and Pops Orchestras.

**Stipends:** The 2013-2014 schedule of remuneration for graduate medical trainees at UPMC is anticipated to be: PGY1-$50,668, PGY2-$52,166, PGY3-$53,185, PGY4-$55,806. Health, life, disability, and professional liability insurance are provided along with parking, surgical scrub outfits, and lab coats. All residents receive a laptop computer, which they take with them upon graduation. A $1,000 fund is provided annually to each resident for books, dues, conference travel, and other purposes. Attendance at national meetings is also supported for residents presenting investigative results. Trainees are reimbursed for application fees to take the American Board of Pathology Certification examinations following the final year. Maternity leave is covered under short-term disability.

**Staff:** A complete roster of Department of Pathology faculty, listed alphabetically or by Division, can be found at http://path.upmc.edu/Personnel/Faculty/faculty.htm.

**Applications:** Positions are offered to graduates of medical or osteopathic schools in the United States or Canada or international medical graduates with an ECFMG certificate holding permanent resident status or eligible for a J-1 visa in the USA. General application materials for the program year beginning in 2014 should be submitted through the AAMC Electronic Residency Application Service (ERAS). These are reviewed beginning in September. We prefer to receive applications through ERAS for upper level positions or from American applicants not required to participate in the National Resident Matching Program (NRMP). Applications to start training in July of 2014 should be received by October 30, 2013; earlier application is strongly recommended. Interviews are by invitation in the fall or early winter and are mandatory. First year or transfer residents begin orientation July 1st. Trevor Macpherson, MD, University of Pittsburgh, Department of Pathology, A711 Scaife Hall, 3550 Terrace Street, Pittsburgh, PA 15261
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