
ALBERT EINSTEIN COLLEGE OF MEDICINE AND MONTEFIORE MEDICAL CENTER

Description: Clinical Training: The Department of Pathology offers a Training Program that leads to certification in either or both anatomic and clinical pathology. Training is available in autopsy pathology, surgical pathology, cytopathology, neuropathology, and all the subspecialties of clinical pathology including hematology, chemistry, virology, microbiology, serology, parasitology, blood banking, molecular diagnostics and cytogenetics. The AP/CP Residency typically includes a core curriculum of 18 - 20 months each of anatomic and clinical pathology plus ample elective time in numerous specialties. Clinical liaison experience is provided through rotations in the critical care units and hematology, infectious disease, rheumatology and endocrinology services. CP residents interact with staff physicians from all services in their roles of laboratory clinicians. In depth training is provided in all AP subspecialties including cytopathology, neuropathology, cardiac pathology, renal pathology, transplant pathology, pediatric pathology, pathology of infectious diseases, bone pathology, hematopathology and gynecologic pathology. A wide variety of regularly scheduled teaching conferences are conducted in all the various subspecialties of pathology, as well as with relevant clinical departments. Trainees are offered "hands-on" experience in immunocytochemistry, molecular diagnostics, cytogenetics, and electron microscopy. Residents learn to employ these techniques in both diagnostic and investigational work. **Research:** All resident trainees are encouraged to undertake at least one research project. Most residents publish and present at national meetings. The Department of Pathology has active ongoing research in many areas. These include studies of neuro-degenerative diseases; demyelinating disease; AIDS, and other infectious diseases; molecular parasitology; cytokine-mediated inflammation; cell biology of endothelial cells; automated cytopathologic diagnostics; perinatal pathology; immunology and pathology of HPV infection in the pathogenesis of cervical cancer; cardiac pathology; radiation and environmental medicine; pathobiology of aging; cytogenetics and mechanisms of metastasis. Work is also in progress on the role of cytoskeleton in liver and neurologic diseases as well as in endothelial cell function. The Department has established laboratories of molecular cytogenetics and a molecular diagnostic facility. Departmental research is supported by extramural research funding in excess of \$6,000,000 annually. The Albert Einstein College of Medicine is an internationally recognized research institution with strength in many basic disciplines. Interdepartmental research programs are emphasized and trainees are encouraged to participate in collaborative projects with other clinical and basic science departments in the Medical School. Montefiore Medical Center is a large "state-of-the-art" modern medical facility which offers training in many areas of medicine. The Pathology training program offers a unique educational experience in the environment of an outstanding medical center and an outstanding research institute. The Pathology Department Seminar Series brings outstanding pathologists and scientists to Montefiore and Einstein and emphasizes resident contact. Residents are encouraged to spend elective time in research and to participate in the education of both medical students and graduate students. **Management Training:** To meet the needs of the new generation of pathologists and laboratory directors, intensive didactic training in laboratory management is offered. The course emphasizes theories of management as well as personnel, finance and human resource management. In addition, the role of the laboratory director in the hospital organization as well as legal concerns and risk management are covered. Informatics and telepathology are important and growing presences. Lastly, residents have access to modern digital equipment and computers to assist them in their academic and clinical growth and development.

Types and Numbers of Appointments: A total of 29 resident and fellowship positions are offered. Fellowships are available in surgical pathology, hematopathology, gynecologic pathology, GI/Liver pathology, dermatopathology, cytopathology (<http://www.cytology.com>), combined orthopedic/surgical pathology, and other subspecialties of interest. A combined residency-postdoctoral fellowship is available to qualified applicants. Sabbath observing positions are available. Post-sophomore year and fellowships are also available. The program works closely with each resident to develop a training track that will meet his/her future goals.

Facilities: The hospitals of this medical center are Montefiore Medical Center, Moses Division and Einstein/Weiler Division, and Bronx Lebanon Medical Center with a total of 1,575 beds. The clinical laboratories perform in excess of 7.3 million tests annually. One hundred fifty three autopsies are performed per year; 38,032 surgical specimens are processed; 47,742 cytological specimens including fine needle aspirations are examined. The libraries of the Montefiore Medical Center and College of Medicine are large, accessible, computerized and current. The Department's extensive research laboratories are located on the grounds of the Albert Einstein College of Medicine in the Forchheimer Building, Ullmann Research Center, Chanin Institute for Cancer Research and Kennedy Center for Mental Retardation and Human Development, and in the Moses Research Institute at Montefiore. The laboratories are fully equipped for all areas of research in pathology from molecular to organ levels. Specialized equipment and research laboratory facilities include an extensive series of laboratories with full support facilities, micro-array,

LASER capture dissection, advanced imaging, molecular biology, computer morphology, cytogenetics, electron microscopy, chemical laboratories and common equipment rooms equipped with ultracentrifuges, scintillation counters, spectroscopy equipment, etc. There are several laboratories fully equipped for tissue culture. Feel free to visit our web site (<http://www.aecom.yu.edu> and www.montefiore.org).

Community: We are located on a large, attractive campus in a suburban environment in the northeast Bronx. The hospitals are adjacent to Westchester County suburbs, Riverdale, and City Island where the America's Cup racers are built. Excellent boating and seafood are nearby. Apartments and homes are sizable, and affordable around the medical center. Shopping malls are easily accessible, including all major department and discount stores. Houses of worship of all denominations are within walking distance. Fine public and parochial schools and child-care centers are ample. Modern playgrounds, softball and tennis courts are either on campus or close by. Horseback riding is available within walking distance of the hospital, the oldest public golf course in the U.S. with driving range, the New York Botanical Garden and the Bronx Zoo are only a five-minute drive. and Yankee Stadium is nearby. The Medical School has an athletic center, with a full gym, track, swimming pool, and Nautilus equipment. Express transportation reaches Manhattan in 25 minutes, with direct access to Fifth Avenue museums, shopping and theaters. Discount and free tickets to Broadway shows, the Philharmonic, opera, music, ball games, and discotheques, and excellent restaurants of every type are available. Professional activities in the field of pathology include two particularly active pathology societies (The New York Pathological Society and The Pathologists' Club).

Stipends: First-year trainees receive \$55,900 per year and an increment is offered for each of the additional years (Year Four = \$65,000). In addition, house staff members are provided with professional liability insurance, hospital and medical care. Housing is available, including Riverdale.

Applications: First-year candidates must apply through the ERAS website (www.aamc.org). The candidate must be a graduate of an approved medical school in the United States or Canada*. Three references (US), a Dean's letter and medical school grades are required. Fellowship applications may be obtained from the Department by letter with a CV, stating your medical school, home address and telephone number and e-mail, and should be submitted before January 1, although applications for future years or fellowship positions are acceptable for consideration beyond this date. *Only graduates of a foreign medical school with outstanding USMLE scores and credentials will receive acknowledgment for their application. Jacob J. Steinberg, MD, Director, Residency Training Program, Montefiore Medical Center, Department of Pathology, 111 East 210th Street, Central Building, room 410, Bronx, NY 10467

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