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 allergy, and transfusion 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, hemopathology 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 cytopathology diagnostic systems; 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, dermatopathology neuropathology, cytopathology (http://www.cytology.com), combined orthopedic/surgical pathology, and other subspecialties of interest. A combined residency-pondctoral 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 cytopathological 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-arrays, LADER 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 Pathologist's Club).

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First-year trainees receive $50,250 per year and an increment is offered for each of the additional years (Year Four = $58,000). In addition, house staff members are provided with professional liability insurance, hospital and medical care. Housing is available, including Riverdale.

STAFF

Michael B. Prystowsky MD, PhD Professor and Chairman Department Pathology; genomic and proteomic approaches to predicting tumor behavior in head and neck cancer. Peter Barland MD Professor; rheumatologic diseases; Thomas J Belbin PhD, Associate Professor; role of aberrant DNA methylation in head and neck cancer; Joan W. Berman PhD, Associate Professor; mechanisms of NeuroAIDS; Margaret Brandwein-Gensler MD General Surgical Pathology; Head & Neck Pathology; Celia F Brosnan PhD Professor; Inflammation in CNS, pathogenesis of multiple sclerosis; Edward R Burns MD, Professor and Executive Dean; Antonio Cajigas MD Associate Clinical Professor; cytopathology; Tina M. 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Professional activities in the field of pathology include two particularly active pathology laboratories: the Department of Laboratory Medicine and the Neoplastic Disease Research Laboratory. The latter has an athletic center, with a full gym, track, swimming pool, and Nautilus equipment. Express communication is possible through telephone, fax, and e-mail.

The hospitals are adjacent to Westchester County suburbs, Riverdale, and City Island where the Medical School faculty has a large number of patients. We are located on a large, attractive campus in a suburban environment in the northeast Bronx.

The department has research laboratory facilities including an extensive series of laboratories with full support for research. The laboratories are equipped with state-of-the-art digital equipment and computers to assist them in their academic and clinical growth and development. There is a strong telepathology presence, and laboratories have access to modern digital telepathology equipment. The department has established laboratories of molecular cytogenetics and a molecular diagnostic laboratory and is a major center for research in molecular pathology. The department has a well-developed collaborative relationship with pathologists at other major teaching hospitals in the area. The department is supported by extramural research funding in excess of $1 million per year.

The department is committed to research in all areas of pathology, with notable emphasis on molecular pathology and oncology. The department has established laboratories of molecular cytogenetics and a molecular diagnostic laboratory, and is a major center for research in molecular pathology. The department has a well-developed collaborative relationship with pathologists at other major teaching hospitals in the area. The department is supported by extramural research funding in excess of $1 million per year.

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