SAINT LOUIS UNIVERSITY
SCHOOL OF MEDICINE

Description: The Department of Pathology at Saint Louis University School of Medicine offers a four-year ACGME-accredited Pathology Residency Training Program leading to combined certification in Anatomic and Clinical Pathology. The emphasis in this program is on broad training within a university medical school environment for the resident interested in the hospital practice of anatomic and clinical pathology. Subspecialty training for all residents is provided in diagnostic electron microscopy, immunopathology, cytopathology, coagulation, microbiology, blood banking, cytogenetics, neuropathology, forensic pathology, hematopathology, molecular pathology, gastrointestinal and liver pathology, and pediatric pathology. Participation by residents in research and teaching is encouraged and expected. Fellowships in cytopathology, forensic pathology, GI & hepatic pathology, hematopathology, and pediatric pathology are available.

Facilities: Five principal hospitals provide exposure to a full range of pathology. All are teaching hospitals affiliated with Saint Louis University: Saint Louis University Hospital with 356 beds, Cardinal Glennon Children's Hospital with 190 beds, St Mary's Health Center with 460 beds, the John Cochran VA Hospital with 218 beds, and Belleville Memorial Hospital with 340 beds. Department faculty is responsible for the Medical Examiner's Offices in St. Louis City and County. A Medical Death Investigator Training Course is held three times/year and a Masters Advanced Training Conference is held every other year. A total of approximately 218 hospital autopsies, 500 forensic autopsies, 32,000 surgical specimens, 8,000 cytologies, and 4,245,000 laboratory tests are performed each year. A total of 640 fine needle aspirates are interpreted in cytopathology. The department also serves as a referral center for evaluation of hereditary bleeding and thrombophilic disorders, inherited metabolic diseases, muscle biopsies, renal biopsies, toxicology, immunohistochemistry, immunohematology and electron microscopy. The Department of Pathology houses a full service Research Microscopy Core that includes two JEOL 1200 transmission electron microscopes, a JEOL 5800 scanning electron microscope with X-ray analysis system, Olympus FV-1000 MPE, Olympus FV-1000, and BioRad MRC 1024 laser scanning confocal microscopes, an Olympus IX81 live cell motility imaging system, an Olympus 41BX epi-fluorescence microscope with a DP72 digital camera, an Arcturus PixCell IIe laser capture microscope, Leica inverted and upright fluorescence microscopes, and a MetaMorph MNX quantitative image analysis system. The Core is well-equipped with a variety of processing, embedding, sectioning, and staining equipment for paraffin, frozen, and plastic embedded tissue. Our Flow Cytometry Laboratory houses two Beckman Coulter FC 500 flow cytometers and our DNA Laboratory houses an Abbott Molecular m2000rt real-time PCR instrument, two QIACube nucleic isolation robots, a Roche LightCycler 480 II, and a GeneScanner 3500. Active research programs exist in the department on molecular pathology and pediatric pathology, renal and dermatopathology, oncogenes and cytokines, molecular immunology, RNA metabolism in normal and tumor cells, platelet function, endothelial cell-neutrophil interaction, the pathology and treatment of lysosomal storage disease, liver and viral diseases, forensic toxicology, signal transduction, phospholipid metabolism, atherogenesis, transplant pathology, molecular biology of ovarian neoplasia, molecular mechanisms of hepatic fibrogenesis, chemoprevention of colon cancer, and phospholipase activation.

Community: St Louis is the urban center for the Greater St. Louis area with a population of over two million. Cultural opportunities include the St Louis Art Museum, numerous art galleries, the St Louis Symphony Orchestra, an acclaimed opera company, several professional theaters, the Science Center, and the superb St. Louis Zoo. The Wagih Bari Society of St Louis Pathologists sponsors gatherings of the community of pathologists in the region for the enjoyment of scientific discourse. Opportunities abound for tennis, softball, golf, jogging, ice skating, handball, and other sports in the numerous parks in the city and county. Rivers within a one-day drive provide canoeing and float trips. Professional sports are represented by the baseball Cardinals, the Rams football team, and the hockey Blues. Saint Louis University fields nationally competitive Billiken teams in basketball and soccer.

Stipends: Resident stipends for 2013 are: first year $50,008, second year $50,608, third year $51,208, and fourth year $51,900. Fringe benefits include malpractice insurance, health coverage for residents and for members of their immediate families, and a generous book and travel allowance. Residents have access to the Saint Louis University Medical Center Library which includes online access for e-journals and books. Membership at Saint Louis University's well-equipped Simon Recreation Center with an indoor track and swimming pool is provided for the resident.

Applications: Residency candidates must be graduates of medical schools in the United States or Canada or graduates of foreign medical schools certified by the ECFMG. Applications accepted through the Electronic Residency Application Service (ERAS).
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