

Fellowship Faculty

Mary M. Zutter M.D.

Vice President for Integrative Diagnostics,
Louise B. McGavock Professor, Pathology,
Microbiology & Immunology
Director, Host-Tumor Interaction Program,
Vanderbilt Ingram Cancer Center
Director, Molecular Genetic Pathology
Fellowship Training Program

Cindy L. Vnencak-Jones Ph.D., FACMG

Director of Molecular Diagnostics
Associate Program Director, Molecular
Genetic Pathology Fellowship
Professor of PMI

Rizwan Hamid, M.D., Ph.D., FAAP, FACMG

Professor of Pediatrics
Director, Pediatric Medical Genetics &
Genomic Medicine

Laura A. Lee, M.D., Ph.D.

Associate Professor of PMI

Jonathan Schmitz, M.D., Ph.D.

Assistant Professor of PMI
Director, Molecular Infectious Diseases
Laboratory

Thomas Stricker, M.D., Ph.D.

Assistant Professor of PMI
Director, CALDx-Center for Advanced Lab
Diagnostics

Ashwini K. Yenamandra, Ph.D., FACMG

Associate Professor of PMI
Co-Director of Cytogenetics Laboratory

Ferrin C. Wheeler, Ph.D., FACMG

Assistant Professor of PMI
Co-Director of Cytogenetics Laboratory
Associate Director of Molecular
Diagnostics Laboratory

Interested applicants should submit a cover letter, application*, CV, personal statement, USMLE scores, passport size photo, three letters of recommendation, and ECFMG certificate (if applicable) to:

Vanderbilt University Medical Center
Pathology, Microbiology and Immunology
Graduate Education Office
Attention: MGP Fellowship
1161 21st Ave. South
Nashville, TN 37232-2561

path.fellow@vumc.org

*Application and pertinent information can be found under Graduate Medical Education at:

<https://www.vumc.org/gme/13198>

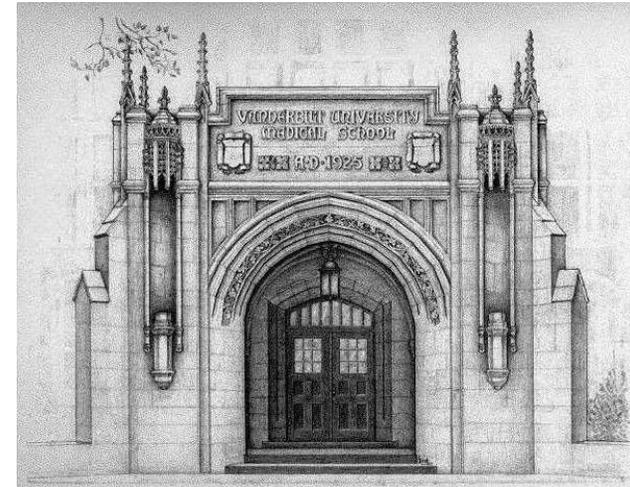
VANDERBILT UNIVERSITY  School of Medicine



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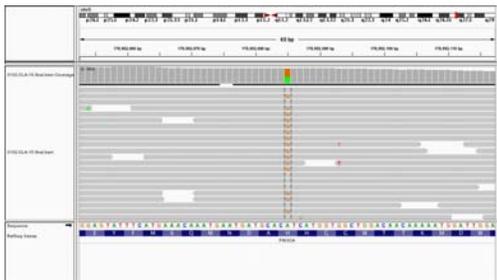
(615) 343-4882 x2
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VANDERBILT  UNIVERSITY
MEDICAL CENTER



*Vanderbilt
University
Medical Center
Molecular
Genetic
Pathology
Fellowship*

Vanderbilt University School of Medicine offers a 1-year ACGME-accredited Fellowship in Molecular Genetic Pathology at Vanderbilt University Medical Center. The program integrates several departments and centers throughout the medical center including the Departments of Pathology, Microbiology & Immunology, Medicine and Pediatrics, the Vanderbilt Institute for Genetics and a Center for Genetics and Health Policy. This comprehensive program provides training in all aspects of molecular genetic pathology including the diagnosis of inherited diseases, pharmacogenetics, hematologic and solid tumor malignancies, infectious agents, and medical genetics. VUMC is home to My Cancer Genome, Redcap and the National Precision Medicine Initiative (PMI). The fellow will have rotations in the Cytogenetics Lab (FISH and Microarray testing and interpretation), Molecular Diagnostics Lab, The Molecular Infectious Disease Lab, and the Clinical Genomics Lab (Whole Exome Sequencing). The fellow will have clinical exposure to the diagnosis and management of patients with inherited disease through work in the Division of Genetics and Genomics Medicine at Monroe Carell Jr. Children's Hospital at Vanderbilt.



The curriculum includes didactic courses, journal clubs and a variety of conferences relative to MGP. In addition to developing skills required to direct a clinical molecular pathology laboratory, the fellow will be instrumental in test development and implementation and will conduct clinically-based research.

Collectively, the molecular diagnostics and molecular infectious disease laboratories receive over 100,000 specimens annually. During rotations in these laboratories, the fellow will gain experience in a plethora of testing platforms and will actively participate in ongoing personalized medicine initiatives at the institution involving tumor molecular profiling and predictive pharmacogenetics testing.

The VUMC Molecular Genetic Pathology fellow is part of a growing departmental graduate medical education community that includes 25 residents, as well as fellows in Surgical Pathology, Cytopathology, Renal Pathology, Hematopathology, Neuropathology, Gastrointestinal Pathology, Transfusion Medicine, Pediatric Pathology, Clinical Microbiology and Clinical Chemistry. Vanderbilt is at the cutting edge of advancing patient care by utilizing new diagnostic methodologies and innovative bioinformatics to interface DNA results with the electronic medical record.



Vanderbilt University Medical Center is home to Vanderbilt University Adult Hospital, The Monroe Carell Jr. Children's Hospital at Vanderbilt, the Vanderbilt Psychiatric Hospital and the Vanderbilt Stallworth Rehabilitation Hospital. Managing more than 2 million patient visits each year, Vanderbilt University Medical Center (VUMC) is one of the largest academic medical centers in the Southeast, and is the primary resource for specialty and primary care

in hundreds of adult and pediatric specialties for patients throughout Tennessee and the Mid-South. Vanderbilt Medical Center is part of the 330-acre Vanderbilt University campus in a sophisticated, diverse residential community about 1.5 miles from downtown Nashville, with numerous shops and restaurants within easy walking distance. Nashville, the capital of Tennessee, is the site of numerous colleges and universities, two medical schools, and several large teaching hospitals. The city has an extensive parks system, a symphony orchestra, opera, ballet, performing arts center, zoo, several museums, The Country Music Hall of Fame and the Grand Ole Opry. The city offers a wide variety of cultural, educational, and recreational opportunities, including a professional football team and hockey team. The Nashville Metropolitan area is home to about 1.2 million inhabitants.



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