

Department of Pathology and Laboratory Medicine, Center for Precision Diagnostics

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DEPARTMENT INQUIRIES

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Center for Precision Diagnostics

Co-Leaders: Joseph Willis, MD; Navid Sadri, MD, PhD; Lan Zhou, MD, PhD; Shulin Zhang, PhD;
Christine Schmotzer, MD; Sashi Shetty, PhD; Miguel Quinones, PhD; Hannah Gilmore, MD

This state-of-the-art molecular diagnostics program integrates multiple molecular laboratories at the UH main campus, enabling integrative multiplatform testing and comprehensive result reporting. Capacities include extensive traditional and next-generation sequencing technologies, fluorescent and chromogenic in situ hybridization, and standard and methylation-based PCR assays.

Distinguishing Features

- Cancer diagnostics: Molecular-based cancer diagnoses and identification of opportunities for targeted therapies customized to individual tumor types
- Diagnosis of cancer and noncancer constitutional predisposition syndromes
- HIV sequencing to identify therapy-resistant mutations
- Expert consultation available for test ordering and interpretation

About UH Cleveland Medical Center

At the core of University Hospitals' \$4 billion health system is UH Cleveland Medical Center, ranked among America's best hospitals by U.S. News & World Report. UH Cleveland Medical Center is home to some of the most prestigious clinical and research programs in the nation, including cancer, pediatrics, women's health, orthopedics, radiology, neuroscience, cardiology and cardiovascular surgery, digestive health, transplantation and genetics. Its main campus includes UH Rainbow Babies & Children's Hospital, ranked among the top children's hospitals in the nation; UH MacDonald Women's Hospital, Ohio's only hospital for women; and UH Seidman Cancer Center, part of the NCI-designated Case Comprehensive Cancer Center at Case Western Reserve University.