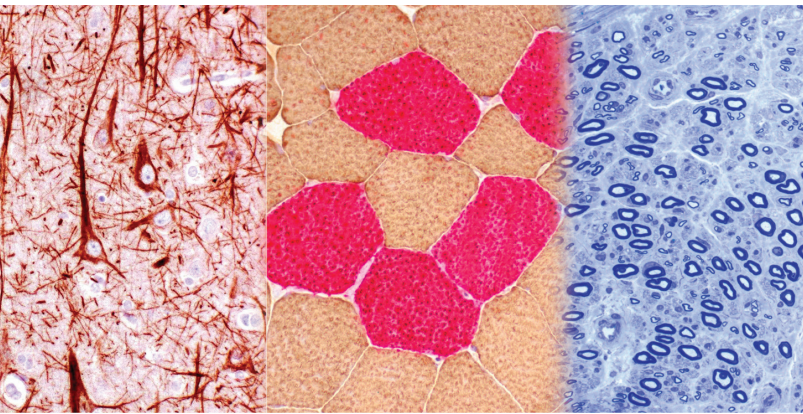


# UF Health Pathology Laboratories

## Neuropathology



University of Florida Health Pathology Laboratories' Neuropathology Laboratory supports neurologists, neurosurgeons and other health care professionals in the care of their patients by incorporating the tools, techniques and leading-edge research that only an academic health system can provide.

- ▶ All of our expert pathologists are fellowship-trained and board-certified in neuropathology from outstanding institutions, including the University of Florida, M.D. Anderson Cancer Center and the University of Pennsylvania.
- ▶ Our team's experience is gained from practicing in a focused subspecialty neuropathology practice at a multidisciplinary academic health center.
- ▶ UF Health Pathology Laboratories' physicians engage in daily consensus slide reviews for challenging cases and participate in weekly multispecialty tumor boards.

## Neuropathology Tests

### Glioma Analysis

- ▶ Second-opinion consultations
- ▶ FISH studies for deletions of chromosomes 1 and 19
- ▶ Immunohistochemical studies, including IDH-1 and ATRX

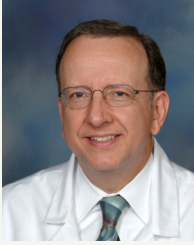
### Skeletal Muscle Biopsies

- ▶ Direct consultation with faculty neuropathologists available for all cases
- ▶ Correlation of clinical history with electromyography results, as well as consensus evaluations for maximum diagnostic accuracy, performed on new neuromuscular disease diagnoses
- ▶ Enzyme histochemical tests include reduced nicotinamide adenine dinucleotide (NADH), subdural hematoma (SDH), cytochrome oxidase and myophosphorylase
- ▶ Gomori trichrome stain, ubiquitin immunohistochemistry and double immunolabeling for myosin types 1 and 2
- ▶ Muscular Dystrophy Panel available, including dystrophins, sarcoglycans and dysferlin

### Peripheral Nerve Biopsies

- ▶ Correlation of pathological findings with EMG and nerve conduction studies
- ▶ Plastic-embedded 1-micron sections examined with toluidine blue staining for on-site electron microscopy

# Our Neuropathology Team

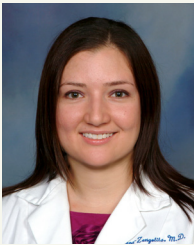


## **Anthony T. Yachnis, MD | Neuropathology Unit Director, Professor**

With more than 20 years of experience in surgical neuropathology, Anthony T. Yachnis, MD, is a professor at the University of Florida Department of Pathology, Immunology and Laboratory Medicine and the Neuropathology Unit Director for UF Health Pathology Laboratories. He is also the program director of the Department's accredited neuropathology fellowship. In his longtime role as an educator, Dr. Yachnis has earned numerous awards for excellence and innovation in teaching.

Dr. Yachnis has authored more than 100 articles, 15 book chapters and two books on diagnostic neuropathology, and he has served in several editorial positions for journals, including the Journal of Neuropathology and Experimental Neurology, Histopathology and Laboratory Investigation. As a member of the College of American Pathologists Neuropathology Committee, he also co-authored the current College of American Pathologists guidelines on diagnosing central nervous system tumors.

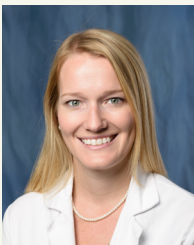
Today, Dr. Yachnis serves on the education committees of the United States & Canadian Academy of Pathology, as well as the American Association of Neuropathologists, where he once served as its president.



## **Marie Rivera-Zengotita, MD | Assistant Professor, Neuropathology**

Marie Rivera-Zengotita, MD, is an assistant professor at the University of Florida Department of Pathology, Immunology and Laboratory Medicine who specializes in neuropathology, neuromuscular pathology and ophthalmic pathology. She performed her subspecialty training at Baylor College of Medicine and the world-renowned M.D. Anderson Cancer Center in Houston, Texas. Today, her areas of expertise and research interests include brain tumors and neuromuscular diseases. Throughout her career, Dr. Rivera has authored several papers and book chapters, and a textbook on diagnostic neuropathology. She has also presented numerous abstracts and posters for pathology meetings across the globe.

Dr. Rivera is an active member of the American Association of Neuropathologists, where she holds an appointment on the Professional Affairs Committee.



## **Jesse Lee Kresak, MD | Assistant Professor, Neuropathology**

Jesse Lee Kresak, MD, is an assistant professor at the University of Florida Department of Pathology, Immunology and Laboratory Medicine. She completed comprehensive training and has significant experience in surgical neuropathology, neuromuscular pathology and ophthalmic pathology at UF.

Working with a multidisciplinary team of neurosurgeons, neurologists and radiation oncologists at UF keeps Dr. Kresak well-informed on the latest diagnostic and therapeutic approaches to neurologic disease. She is a co-investigator on several brain tumor studies, and her funded research at the Preston A. Wells Jr. Center for Brain Tumor Therapy focuses on host immunologic interaction with primary brain tumors.



**Contact us today to learn how UF Health Pathology Laboratories can work for you.**

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