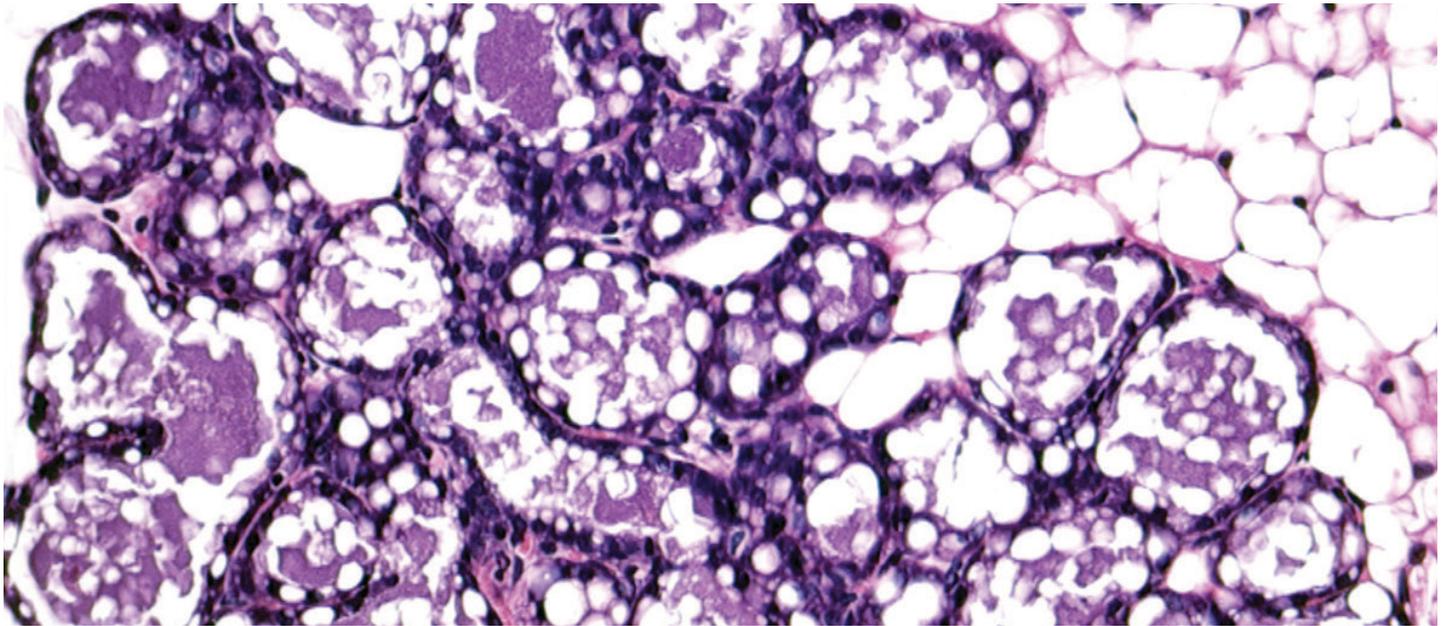


# Research Histology Core (RHC)

A University of Tennessee Health Science Center Institutional Core



## MISSION

The Research Histology Core's mission is to provide efficient and high-quality histology services with fast turnaround time to the UTHSC campuses to support basic and translational research, with expert consultation services offered by the Department of Pathology.

## INTRODUCTION AND SERVICES

The Research Histology Core (RHC) was created in 2017 as a partnership between the Department of Pathology and the Office of Research to provide the UTHSC campuses and the Memphis research community with access to high-quality histology services at competitive prices for research specimens. The RHC offers processing, paraffin embedding, sectioning and staining of research specimens, including H&E-staining, and a wide variety of special stains. Sectioning and staining of pre-embedded frozen sections is also available by appointment. The standard turnaround time is ten business days. Priority processing (3 business days) is also available for a surcharge. Consultation regarding experimental design, including how to gross tissues prior to fixation, how to submit samples for processing and the recommended stains for sectioned materials is available at no cost from the laboratory manager. Expert histopathology consultation services are also offered by referral to the Department of Pathology.

## CORE CAPABILITIES

The RHC provides researchers with access to high-quality histology services and to expert consultation on histopathology to support basic and translational research. The RHC supports processing tissue specimens for research purposes, primarily tissues derived from rodent models or human specimens xenografted into mice.

The RHC is managed by an anatomic and clinical pathology board-certified Medical Director with translational research experience, and is staffed by a team of experienced, clinical pathology histotechnologists.

## EQUIPMENT

The core maintains the following equipment:

- 1 Thermo Excelsior Tissue Processor
- 2 Sakura VIP Tissue Processors
- 1 Sakura DRS2000 Autostainer
- 3 Leica Microtomes

## SAMPLE SUBMISSION

Samples may be submitted, along with a paper copy of the iLab electronic request form, between 10am-2pm, Monday-Friday to 930 Madison Avenue, Suite 544A. All specimens must be grossed and prepared in well-labeled tissue cassettes prior to submission to the core. PIs are responsible for providing empty slide boxes or slide holders at the time of specimen submission. Cassettes should be labeled with a histology grade pen (StatMark black, SKU code: SMP-BK, [www.statlab.com](http://www.statlab.com)) and pencil.

## STAFF

The RHC is staffed by experienced clinical pathology histotechnologists and a full-time laboratory manager, Deborah Wallin. General questions about pricing, turnaround time, procedures for sample submission or special instructions for sample processing should be directed to Deborah Wallin.

Upon PI request, expert consultation is available through referral to the Department of Pathology.

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## UTHSC RESEARCH CORES AND SHARED RESOURCES

UTHSC Institutional Cores are dedicated to the success of your project. We serve the UTHSC research community by providing access to state-of-the-art equipment and to expert consultation services.

[uthsc.edu/research/institutional-cores/index.php](http://uthsc.edu/research/institutional-cores/index.php)

### **For more information:**

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