



Mission and Leadership



MISSION

ETR supports the research mission across UC Irvine and the campus research community

- HS# 2012-8716
 Honest broker status → Facilitates and track usage of tissue for research
- Support
 - 1. Chao Family Comprehensive Cancer Center grant
 - 2. Pathology Department
 - 3. Approved recharge rates

LEADERSHIP



Robert Edwards, MD, PhD Co-Director



Wendy Cozen, DO, MPH Co-Director



Delia Tifrea, PhD, MBA Manager

Services



Tissue and Correlative Clinical Data Procurement and Distribution

- Fresh; archival bio-banked flash-frozen; archival formalin-fixed, paraffin-embedded (FFPE) tissues
- · Virtual biorepository portal for FFPE specimens
- Customized request of clinical data annotation
- Cryopreserved viable blood and marrow cell samples

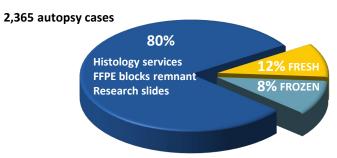
Tissue Histology, Immunohistochemistry (IHC), and Digital Pathology services

- Routine histology services: embedding, cutting FFPE and frozen, staining, cytochemical stains, automated IHC staining, and IHC optimization.
- Ventana DP200 high-speed digital slide scanners
- · Custom and standard TMA

Interpretive Histopathology and Mouse Pathology Services

 Necropsy, histopathology consultations, consultation on orthotopic and patient-derived xenograft (PDX) tumor models and experimental design Archival FFPE blocks and slides remnants since 1989

343,635 surgical cases



- Cancer related projects/year 63%
- Total individual requests/year 1620
- Patients -Human tissue RO/year 1200
- Animal tissue projects RN/year 200
- Fresh tissue –34 projects/year –> 320tissue/year

More information regarding all services can be found at: https://cancer.uci.edu/experimental-tissue-resource



Key Equipment & Technologies



• Routine histology services: Leica Peloris Tissue processor, microtome, Leica CM3050 Cryostat, Ventana Discovery automatic stainer













- -80°C and LN2 freezers
- Freezerworks SUMIT biobanking inventory program
- Ventana DP200 high-speed digital slide scanner
- TMA Grand Master- 3DHISTECH









Feature technology



TMA Grand Master- 3DHISTECH

Available core/block (core diameter):

- ✓ 558 (0.6 mm)
- ✓ 286 (1 mm)
- ✓ 135 (1.5 mm)
- 84 (2 mm)

Feasible for proteomics *nanoString*- GeoMx DSP





