THE NCI SEER PROGRAM’S RESIDUAL TISSUE REPOSITORY (RTR)

Affiliations: 1. National Cancer Institute, Division of Cancer Control and Population Sciences, Rockville, MD 2. University of Iowa, College of Public Health, Department of Epidemiology, Iowa City, IA 3. University of Southern California, Keck School of Medicine, Los Angeles, CA 4. University of Hawaii, Cancer Research Center of Hawaii, Honolulu, HI

Population-based Registries
- Hawaii
- Iowa
- Los Angeles

Background
- Biospecimens slated for destruction or held in trust
  - Obtained from Pathology laboratories
  - Formalin fixed paraffin imbedded blocks
- Population-based tumors from registry area
  - Not only research facilities
- Compare representativeness with registry
  - Assess bias

Case Attributes
- Racially/ethnically diverse populations
  - White, Black, Asian, Pacific Islander
  - Hispanic
- Data for registry cases include
  - Age, Sex, Race, Ethnicity
  - Primary Site, Morphology
  - Stage, Laterality
  - Tumor Sequence Number
  - First-Course Therapy
  - Vital status
    - Outcome
    - Cause of Death

Accomplishments
- Published cancer research:
  - Breast
  - Colorectal
  - Pancreatic
  - Lymphoma
  - Lung
- Current studies:
  - Breast
  - Prostate
  - Colorectal
  - Pancreatic
  - Lymphoma
  - HPV-related Tumors
  - Ovarian

Goals
- Use of RTR biospecimens for
  - Population-based studies
  - Research on rare cancers

Available Resources
- Tumor tissues by topography and morphology
  - Formalin fixed paraffin imbedded blocks
  - Tissue microarrays (TMA)
    - Pancreatic
    - Ovarian
    - HIV-associated tumors
  - Registry-specific TMAs available from
    - Hawaii
    - Breast
    - Colorectal
    - Los Angeles
    - Melanoma
    - Testicular
    - Thyroid
  - Pancreatic
  - Ovarian
  - HIV-associated tumors
  - TMAs under construction

How to Request Specimens
- Tissues available via an application process
- Priority given to population-based studies
- Send request to seer-rtr@imsweb.com
- One to two page summary
  - Include ICD-O-3 site and morphology codes
  - Describe objectives, methods, funding
- RTR will assess if matching resources exist

Selected Publications