Discussants

Richard G. Hegele, M.D., FRCPC, Ph.D.
Professor and Head
Department of Pathology and Laboratory Medicine
University of British Columbia

Beatrice Knudsen, M.D., Ph.D.
Assistant Member
Public Health Sciences
Fred Hutchinson Cancer Research Center

Lawrence D. True, M.D.
Professor
Department of Pathology
University of Washington School of Medicine
Objectives

• How can biospecimen science be used to inform the NCI Best Practices?

• Next steps for NCI and the community
Biospecimen Pre-analytical Heterogeneity
- Pre-acquisition
  - Diet
  - Ischemia time
- Post-acquisition
  - Tissue processing and fixation
  - Inter-SPORE Prostate Biomarker Study (IPBS)

Tools to Advance Biospecimen Science
- BC BioLibrary
  - A collection of biospecimens organized to provide physical, bibliographic and intellectual access to biobanks, clinical trials and research studies
  - “…create a framework that promotes appropriate standards of quality, security, ethics, and privacy “
  - http://bcbiolibrary.icapture.ubc.ca/
• More Tools to Advance Biospecimen Science
  • MISFISHIE: Minimum Information Specification For In Situ Hybridization and Immunohistochemistry Experiments
  • [http://scgap.systemsbiology.net/standards/misfishie/](http://scgap.systemsbiology.net/standards/misfishie/)
**Discussion**

Where is the biggest need for critical data that will improve the quality of banked tissues?

What are the obstacles to generate and implement protocols of high quality tissue collection?