

Biospecimen Science:

[Small Nucleolar RNA Score: An Assay to Detect Formalin-Overfixed Tissue.](#)

[Circulating Tumor DNA Assays in Clinical Cancer Research.](#)

[Maximizing the Utility of Archival Formalin-Fixed Paraffin-Embedded Blocks for Nucleic Acid Analysis.](#)

[Research White Paper; Addendum to “Registries for Evaluating Patient Outcomes: A User’s Guide, Third Edition”; part of an eBook entitled “21st Century Patient Registries”](#)

[Understanding preanalytical variables and their effects on clinical biomarkers of oncology and immunotherapy.](#)

[Accuracy of Molecular Data Generated with FFPE Biospecimens: Lessons from the Literature](#)

[Non-formalin fixative versus formalin-fixed tissue: A comparison of histology and RNA quality](#)

[Biospecimens in the News: Back to Basics](#)

[The NCI Biospecimen Research Network. Biotechnic and Histochemistry](#)

[Biospecimens & Biorepositories: From afterthought to science](#)

[International approaches to advancing biospecimen science](#)

[Effects of preanalytical variables on the detection of proteins by immunohistochemistry in formalin-fixed, paraffin-embedded tissue](#)

[Methodologic data: important foundation for molecular and biomarker studies](#)

[International efforts to develop biospecimen best practices](#)

[A Review of International Biobanks & Networks: Success Factors and Key Benchmarks](#)

[2009 Biospecimen Research Network Symposium: advancing cancer research through biospecimen science](#)

Best Practices:

[Evidence-based procedures to improve the reliability of circulating miRNA biomarker assays](#)

[Harmonizing Cell-Free DNA Collection and Processing Practices through Evidence-Based Guidance](#)

[National Cancer Institute Biospecimen Evidence-Based Practices: Harmonizing Procedures for Nucleic Acid Extraction from Formalin-Fixed, Paraffin-Embedded Tissue.](#)

[Moving toward biospecimen harmonization with evidence-based practices](#)

[National Cancer Institute Biospecimen Evidence-Based Practices: a novel approach to pre-analytical standardization](#)

[Meeting research needs with postmortem biospecimen donation: summary of recommendations for postmortem recovery of normal human biospecimens for research](#)

[The Evolution of Biobanking Best Practices](#)

[Best practices for establishing a biobank](#)

Genotype-Tissue Expression (GTEx):

[Histologic and Quality Assessment of Genotype-Tissue Expression \(GTEx\) Research Samples: A Large Postmortem Tissue Collection](#)

[Notable Histologic Findings in a "Normal" Cohort: The National Institutes of Health Genotype-Tissue Expression \(GTEx\) Project](#)

[The GTEx Consortium atlas of genetic regulatory effects across human tissues](#)

[RNA sequence analysis reveals macroscopic somatic clonal expansion across normal tissues](#)

[Development of a consensus approach for return of pathology incidental findings in the Genotype-Tissue Expression \(GTEx\) project.](#)

[Genetic effects on gene expression across human tissues.](#)

[A Novel Approach to High-Quality Postmortem Tissue Procurement: The GTEx Project.](#)

[Human genomics. The Genotype-Tissue Expression \(GTEx\) pilot analysis: multitissue gene regulation in humans.](#)

[The Genotype-Tissue Expression \(GTEx\) Project: Linking Clinical Data with Molecular Analysis to Advance Personalized Medicine](#)

[Acquisition of normal tissues for the GTEx program](#)

Biospecimen Preanalytical Variables (BPV):

[Formalin Fixation, Delay to Fixation, and Time in Fixative Adversely Impact Copy Number Variation Analysis by aCGH](#)

[Organocatalyst treatment improves variant calling and mutant detection in archival clinical samples](#)

[Impact of preanalytical factors on the measurement of tumor tissue biomarkers using immunohistochemistry](#)

[The Biospecimen Preanalytical Variables Program: A Multiassay Comparison of Effects of Delay to Fixation and Fixation Duration on Nucleic Acid Quality.](#)

[Deleterious effects of formalin-fixation and delays to fixation on RNA and miRNA-Seq profiles](#)

[Cold Ischemia Score: An mRNA Assay for the Detection of Extended Cold Ischemia in Formalin-Fixed, Paraffin-Embedded Tissue.](#)

Ethical, Legal and Social Implications:

[Sharing Individual Research Results with Biospecimen Contributors: Point](#)

[Intersection of Biobanking and Clinical Care: Should Discrepant Diagnoses and Pathological Findings Be Returned to Research Participants?](#)

[Informed consent process for patient participation in rare disease registries linked to biorepositories](#)

[Custodianship as an ethical framework for biospecimen-based research](#)

Additional publications:

[GA4GH: International policies and standards for data sharing across genomic research and healthcare](#)

[Critical Financial Challenges for Biobanking: Report of a National Cancer Institute Study.](#)

[The Biobank Economic Modeling Tool \(BEMT\): Online Financial Planning to Facilitate Biobank Sustainability.](#)

[BIO comes into the cold to adopt BRISQ](#)

[Relationships with Outside Institutions and Industry](#)

[Biospecimen reporting for improved study quality \(BRISQ\)](#)

[An NCI perspective on creating sustainable biospecimen resources](#)

[Biobankonomics: Developing a sustainable business model approach for the formation of a human tissue biobank](#)

[Biobankonomics: A taxonomy for evaluating the economic benefits of standardized centralized human biobanking for translational research](#)

[Creating a global rare disease patient registry linked to a rare diseases biorepository database: Rare Disease-HUB \(RD-HUB\).](#)

[Documenting biospecimen conditions in reports of studies](#)