

## Publications

### General Design and Preparation of Biorepositories:

- Bell WC, Sexton KC, Grizzle WE. Organizational issues in providing high-quality human tissues and clinical information for the support of biomedical research. *In: Methods Mol Biol*, (Eds. Robert Grützmann and Christian Pilarsky), 2010; 576:1-30.
- Grizzle WE, Bell WC, Sexton KC. Issues in collecting, processing and storing human tissues and associated information to support biomedical research. *In: Translational Pathology of Early Cancer*. (Eds. S Srivastava, WE Grizzle), IOS Press BV, Amsterdam, The Netherlands; 2012;531-549.
- Grizzle WE, Sexton KC, Bell WC. Human Tissue Biorepository. *In: Molecular Genetic Pathology, volume 1, 2nd edition*. (Eds. L Cheng, D. Zhang, Eble J), Springer Science+Business Media. 2013;483-497.
- Campbell, L.D., Betsou, F., Garcia, D.L.,[ ...]Grizzle, W.E.[...]Sexton, K.S.[...], et al. 2012 Best practices for repositories: Collection, storage, retrieval and distribution of biological materials for research. 3rd edition. *Biopreserv Biobank* 2012;10(2):79-161.  
<http://doi.org/10.1089/bio.2012.1022>
- Campbell LD, Astrin JJ, Brody R,[ ...]Grizzle, W.E.[...]Sexton, K.S.[...], et al. Best Practices: Recommendations for Repositories. Fourth Edition. *Biopreserv Biobank* 2018;1-103.  
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- Grizzle WE, Sexton KC, Bell WC. Human Tissue Biorepository. *In: Molecular Genetic Pathology, volume 1, 2nd edition*. (Eds. L Cheng, D. Zhang, Eble J), Springer Science+Business Media. 2013;483-497.
- Grizzle WE, Sexton KC, Bell WC. Issues in Operating a Human Tissue Resource Supporting Biomedical Research *In: Cellular Therapy: Principles, Methods and Regulations*, 2nd edition. Editors Areman E, Loper K. AABB: Bethesda, MD, 2016; 497-509. (PMCID not required; Book Chapter).

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### Ethical and Regulatory Issues:

- PRIM&R Human Tissue/Specimen Banking Working Group Report: Report of the Public Responsibility in Medicine and Research. 2007.
- PRIM&R Tissue Working Group Report: Section II Tools for Investigators, IRBs and Repository Managers. 2008.
- Hewitt R, Watson PH, Dhir R, Aamodt R, Thomas G, Mercola D, Grizzle WE, Morente MM. Timing of consent for the research use of surgically removed tissue: is Postoperative Consenting Acceptable? Cancer. 2009; 115(1):4-9.
- Bledsoe MJ, Grizzle WE, Clark BJ, Zeps N. Practical implementation issues and challenges for biobanks in the return of individual research results. Genet Med 2012; 14(4):478-83. PMCID:PMC3388905.
- Grizzle WE, Knoppers BM, Zeps N, Sullivan K. What are the most oppressing legal and ethical issues facing biorepositories and what are some strategies to address them? Biopreservation and Biobanking 2011; 9(4):317-19. PMCID:PMC4275773.
- Bledsoe MJ, Clayton EW, McGuire AL, Grizzle WE, O'Rourke PO, Zeps N. Return of research results from genomic biobanks: cost matters. Genet Med 2013; 15(2):103-5. PMCID:PMC3635086.
- Bledsoe MJ, Grizzle WE. Use of human specimens in research: the evolving US regulatory, policy, and scientific landscape. Diagnostic Path 2013; 19(9):322-330. PMCID:PMC3954467.
- Bledsoe MJ, Clayton EW, McGuire AL, Grizzle WE, O'Rourke PP, Zeps N. Return of research results from genomic biobanks: a call for data. Genet Med 2013;15(2):159-60. (PMCID not required; not peer reviewed).
- Bledsoe MJ, Russell-Einhorn MK, Grizzle WE. Shifting sands: the complexities and uncertainties of the evolving US regulatory, policy, and scientific landscape for biospecimen research, Diagnostic Histopathology. 2017;24(4):136-148.

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- Betsou F, Bilbao R, Case J, Chuaqui R, Clements JA, De Souza Y, De Wilde Q, Geiger J, Grizzle W, Guadagni F, Gunter E, Heil S, Kienhtopf M, Koppandi I, Lehmann S, Linsen L, Mackenzie-Dodds J, Quesada RA, Tebbakha R, Selander T, Shea K, Sobel M, Somairi S, Spyropoulos D, Stone M, Tybring G, Valyi-Nagy K, Wadhwa L, ISBER Biospecimen Science Working Group. Standard PREanalytical Code version 3.0. Biopreservation and Biobanking 2018;16(1):9-12.

### Quality Assurance and Quality Control:

- Grizzle WE, Sexton KC, Bell WC. Quality Assurance in Tissue Resources Supporting Biomedical Research. Cell Preservation Technology. 2008; 6(2): 113-118. PMID:PMC3094015.
- Atha DH, Manne U, Grizzle WE, Wagner PD, Srivastava S, Reipa V. Standards for Immunohistochemical Imaging: A protein reference device for biomarker quantitation. J Histochem Cytochem 2010;58(11):1005-14. PMID:PMC2958133.
- Grizzle WE, Gunter EW, Sexton KC, Bell WC. Quality management of biorepositories. Biopreservation & Biobanking 2015; 13(3):183-194. PMID:PMC26035008
- Tuck MK, Chan DW, Chia D, Godwin AK, Grizzle WE, Krueger KE, Rom W, Sanda M, Sorbara L, Stass S, Wang W, Brenner DE. Standard Operating Procedures for Serum and Plasma Collection: Early Detection Research Network Consensus Statement Standard Operating Procedure Integration Working Group. J Proteome Res. 2009; 8(1):113-117. PMID: PMC2655764.

### Safety:

- Grizzle WE, Bell WC, Fredenburgh J. General Considerations Concerning Safety in Biomedical Research Laboratories. In: *Molecular Diagnostics, 2nd edition, (Eds., Patrinos GP and Ansorg W)* 2010, Chapter 39, pp 563-72.
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- Atherton DS, Fredenburgh J, Sexton KC, Bell WC, Grizzle WE. Safety and the biorepository. *In: Molecular Diagnostics, Third Edition*, editors Patrinos G, Danielson P, Ansorge W., Danielson PB. Elsevier: San Diego. 2016: 479-492. (PMCID not required; Book Chapter).
- Grizzle WE, Fredenburgh J, Sexton K, Bell W. Safety issues in biorepositories *In: Biobanking of Human Specimens: Principles and Practice*. Editors Hainaut P, Vaught J, Pasterk M, Zatloukal K, Pasterk M. Springer Nature: Cham, Switzerland 2017: 65-83. (PMCID not required: Book Chapter).

### Tissues Collections:

- Bell WC, Young ES, Billings PE, Grizzle WE. The efficient operation of the surgical pathology gross room. *Biotech Histochem*. 2008; 83(2):71-82. Review. PMCID:PMC2903959.
- Bell WC, Sexton KC, Grizzle WE. How to efficiently obtain human tissues to support specific biomedical research projects. *Cancer Epidemiol Biomarkers Prev* 2009; 18(6):1676-9. PMCID: PMC2694221.
- Hewitt RE, Grizzle WE, Watson PH, Lee Y, di Donato J-H, Vaught J. Biobanking Networks and Global Banking *In: Biobanking of Human Biospecimens: Principles and Practice*, editors Hainaut P, Vaught J, Zatloukal K, Pasterk M. Springer Nature: Cham, Switzerland 2017: 111-135.

### Informatics:

- Edgerton ME, Morrison C, LiVolsi VA, Moskaluk CAA, Qualman SJ, Washington MK, Grizzle WE, A Standards Based Ontological Approach to Information Handling for Use by Organizations Providing Human Tissue for Research. *Cancer Informatics* 2008; 6:127-136. PMCID: PMC2623300.
- Edgerton ME, Grizzle WE, Washington MK. The Deployment of a Tissue Request Tracking System for the CHTN: A Case Study in Managing Change In Informatics for Biobanking Operations. *BMC Med Inform Decis Mak* 2010; 10:32. PMCID:PMC2893081.

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### Biorepository Sciences:

- Otali D, Stockard CR, Oelschlager D, Grizzle WE. Loss of epitope immunorecognition: combined effects of fixation and dehydration and the extent of recovery of epitope recognition by antigen retrieval. Presented at the Gordon Research Conference “New Frontiers in Cancer Detection & Diagnosis” workshop, Ventura, CA, January 21-26, 2007.
- Grizzle W. Special symposium: fixation and tissue processing models. *Biotech Histochem*. 2009; 84(5):185-93. PMID:PMC2891300.
- Otali D, He Q, Stockard CR, Grizzle WE. Preservation of immunorecognition by transferring cells from 10% neutral buffered formalin to 70% ethanol. *Biotech Histochem* 2013; 88(3-4):170-80. PMID:PMC3737737.
- Nolen BM, Orlichenko LS, Marrangoni A, Velikokhatnaya L, Prosser D, Grizzle WE, Ho K, Jenkins FJ, Bovbjerg DH, Lokshin AE. An extensive targeted proteomic analysis of disease-related protein biomarkers in urine from healthy donors. *PLoS One* 2013; 8(5):e63368. PMID:PMC3665773.
- Otali D, He Q, Grizzle WE. The effect of antigen retrieval on cells fixed in 10% neutral buffered formalin followed by transfer to 70% ethanol. *PLOS One* 2013; 8(12): e82405. PMID:PMC3866107.
- Betsou F, Bulla A, Cho, S-Y, Clements J, Chuaqui R, Copola D, De Souza Y, De Wilde A, Grizzle W, Guadagni F, Gunter E, Heil S, Hodgkinson V, Kessler J, Kiehnopf M, Kim H-S, Koppandi I, Shea K, Singh R, Sobel M, Somiari S, Spyropoulos D, Stone M, Tybring G, Valyi-Nagy K, Van den Eynden G, Wadhwa L. Assays for qualification and quality stratification of clinical biospecimens used in research: a technical report from the ISBER biospecimen science working group. *Biopreservation and Biobanking* 2016;14(5):298-309. PMID:27046294
- Otali D, Fredenburgh J, Oelschlager DK, Grizzle WE. A standard tissue as a control for histochemical and immunohistochemical staining. *Biotech Histochem* 2016;91(5):309-26. PMID: PMC5338041
- Gaignaux A, Ashton G, Coppola D, De Souza Y, De Wilde A, Eliason J, Grizzle W, Guadagni F, Gunter E, Koppandi I, Shea K, Shi T, Stein JA, Sobel ME, Tybring G, Van den Eynden G, Betsou F, and for the ISBER Proficiency Testing Advisory Group. A

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- Seijo E, Lima D, Iriabho E, Almeida J, Monico J, Echverri M, Gutierrez S, Flores I, Lee J-H, Fisher K, Grizzle WE, Sica GL, Butler C, Hicks C, Meade CD, Sodeke SO, Moroz K, Coppola D, Munoz-Antonia T. Construction and validation of a multi-institutional tissue microarray of invasive ductal carcinoma from racially and ethnically diverse populations. *Cancer Control* 2016;23(4):383-389. PMCID: PMC5268085
- Grizzle WE, Otali D, Sexton KC, Atherton DS. Effects of Cold Ischemia on Gene Expression: A Review and Commentary. *Biopreserv Biobank*. 2016;14(6):548-558. PMCID:PMC5180081
- Atherton DS, Sexton KC, Otali D, Bell WC, Grizzle WE. Factors affecting the use of human tissues in biomedical research: Implications in the design and operation of a biorepository *In: Cancer Gene Profiling: Methods and Protocols*, 2nd edition, editors Grützmann R and Pilarsky C. Springer Science+Business Media, LLC: New York, 2016;1-38 (PMCID not required; Book Chapter).
- Burke HB, Grizzle WE. Clinical Validation of Molecular Biomarkers in Translational Medicine *In: Biomarkers in Cancer Screening and Early Detection*, Sudhir Srivastava, editor, Wiley, Oxford, UK 2017: 256-266.

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