



## Kimberly Allison

Professor of Pathology at the Stanford University Medical Center

 Curriculum Vitae available Online

### CLINICAL OFFICES

- **Pathology Department**

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### Bio

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#### BIO

Dr. Allison is the Director of Breast Pathology at Stanford. Her research interests include prognostic/predictive markers in breast cancer, standards in HER2 and ER testing, management of risk lesions, diagnostic criteria and diagnostic agreement in breast pathology and patient communication. She is on the editorial board for the 5th edition of the WHO Classification of Tumours of the Breast, is co-chair of the ASCO/CAP ER/PR Testing in Breast Cancer committee, was on the steering committee for the 2018 ASCO/CAP HER2 Testing Guidelines Update, and serves on the NCCN Breast Cancer Treatment Guidelines committee. She is actively involved in resident/fellow training as Director of the Stanford Breast Pathology Fellowship and Residency Director for the Department of Pathology. Dr. Allison is also a breast cancer survivor and the author of "Red Sunshine; A Story of Strength and Inspiration from a Doctor Who Survived Stage 3 Breast Cancer."

#### CLINICAL FOCUS

- Breast Pathology
- Anatomic and Clinical Pathology

#### ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Pathology

#### ADMINISTRATIVE APPOINTMENTS

- Director of Breast Pathology, Stanford Dept of Pathology, (2014- present)
- Fellowship Director, Breast Pathology, Stanford Dept of Pathology, (2016- present)
- Program Director of Anatomic and Clinical Pathology Residency, Stanford Dept of Pathology, (2017- present)
- Associate Residency Director, Anatomic Pathology, (2013-2017)

#### PROFESSIONAL EDUCATION

- Residency: University of Washington Pathology Residency (2006) WA
- Fellowship: University of Washington Pathology Fellowships (2005) WA
- Medical Education: New York Medical College Registrar (2001) NY

- Board Certification: Anatomic and Clinical Pathology, American Board of Pathology (2006)
- Board Certification, American Board of Pathology, Anatomic and Clinical Pathology (2006)
- Fellowship, University of Washington Medical Center, Surgical Pathology with focus of Breast/GYN Pathology (2005)
- Residency, University of Washington Medical Center, Anatomic and Clinical Pathology (2006)
- MD, New York Medical College (2001)
- BA, Princeton University, Molecular Biology (1997)

## LINKS

- Link to Dr Allison's book website "Red Sunshine": <https://www.amazon.com/Red-Sunshine-Strength-Inspiration-Survived/dp/1578264073>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Allison's clinical expertise is in breast pathology. Her research interests include how standards should be applied to breast cancer diagnostics (such as ER and HER2 testing), the utility of molecular panel-based testing in breast cancer, digital pathology applications and identifying the most appropriate management of specific pathologic diagnoses.

## Publications

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### PUBLICATIONS

- **Pretreatment Tattoo Marking of Suspicious Axillary Lymph Nodes: Reliability and Correlation with Sentinel Lymph Node.** *Annals of surgical oncology*  
Patel, R., MacKerricher, W., Tsai, J., Choy, N., Lipson, J., Ikeda, D., Pal, S., De Martini, W., Allison, K. H., Wapnir, I. L.  
2019
- **Quantitative Image Analysis of Human Epidermal Growth Factor Receptor 2 Immunohistochemistry for Breast Cancer: Guideline From the College of American Pathologists.** *Archives of pathology & laboratory medicine*  
Bui, M. M., Riben, M. W., Allison, K. H., Chlipala, E., Colasacco, C., Kahn, A. G., Lacchetti, C., Madabhushi, A., Pantanowitz, L., Salama, M. E., Stewart, R. L., Thomas, N. E., Tomaszewski, et al  
2019
- **In Reply.** *Archives of pathology & laboratory medicine*  
Wolff, A. C., Hammond, M. E., Allison, K. H., Harvey, B. E., McShane, L. M., Dowsett, M.  
2019
- **NCCN Guidelines Insights: Breast Cancer, Version 3.2018.** *Journal of the National Comprehensive Cancer Network : JNCCN*  
Goetz, M. P., Gradishar, W. J., Anderson, B. O., Abraham, J., Aft, R., Allison, K. H., Blair, S. L., Burstein, H. J., Dang, C., Elias, A. D., Farrar, W. B., Giordano, S. H., Goldstein, et al  
2019; 17 (2): 118–26
- **Breast Cancer Prognostic Factors in the Digital Era: Comparison of Nottingham Grade using Whole Slide Images and Glass Slides.** *Journal of pathology informatics*  
Davidson, T. M., Rendi, M. H., Frederick, P. D., Onega, T., Allison, K. H., Mercan, E., Brunye, T. T., Shapiro, L. G., Weaver, D. L., Elmore, J. G.  
2019; 10: 11
- **Reply to C. Murray et al and V. Martin et al.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*  
Wolff, A. C., Hammond, M. E., Allison, K. H., Harvey, B. E., McShane, L. M., Dowsett, M.  
2018: JCO1801163
- **HER2 Testing in Breast Cancer: American Society of Clinical Oncology/College of American Pathologists Clinical Practice Guideline Focused Update Summary.** *Journal of oncology practice*  
Wolff, A. C., Hammond, M. E., Allison, K. H., Harvey, B. E., McShane, L. M., Dowsett, M.  
2018: JOP1800206
- **Pathological confirmation of pre-chemotherapy biopsied and tattooed axillary lymph nodes**

Patel, R., MacKerricher, W., Tsai, J., Wood, L., Allison, K., Wapnir, I.  
SPRINGER.2018: 426–27

- **Human Epidermal Growth Factor Receptor 2 Testing in Breast Cancer: American Society of Clinical Oncology/College of American Pathologists Clinical Practice Guideline Focused Update.** *Archives of pathology & laboratory medicine*  
Wolff, A. C., Hammond, M. E., Allison, K. H., Harvey, B. E., Mangu, P. B., Bartlett, J. M., Bilous, M., Ellis, I. O., Fitzgibbons, P., Hanna, W., Jenkins, R. B., Press, M. F., Spears, et al  
2018
- **Human Epidermal Growth Factor Receptor 2 Testing in Breast Cancer: American Society of Clinical Oncology/College of American Pathologists Clinical Practice Guideline Focused Update.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*  
Wolff, A. C., Hammond, M. E., Allison, K. H., Harvey, B. E., Mangu, P. B., Bartlett, J. M., Bilous, M., Ellis, I. O., Fitzgibbons, P., Hanna, W., Jenkins, R. B., Press, M. F., Spears, et al  
2018: JCO2018778738
- **Clinicopathologic Features, Management and Outcomes of Breast Secretory Lesions with and without Atypia**  
Mooney, K., Lin, C., Sibley, R., Rendi, M., Allison, K.  
NATURE PUBLISHING GROUP.2018: 92
- **The clinicopathologic and genomic features of fibrotic foci in breast cancer - results from the TCGA cohort**  
Beca, F., Tsang, J., Jensen, K. C., Allison, K., Tse, G.  
NATURE PUBLISHING GROUP.2018: 50
- **Ancillary Prognostic and Predictive Testing in Breast Cancer: Focus on Discordant, Unusual, and Borderline Results.** *Surgical pathology clinics*  
Allison, K. H.  
2018; 11 (1): 147–76
- **Pathologic Features and Clinical Outcomes of HER2 FISH Cases with HER2: CEP17 ratio > 2.0 but < 4 HER2 signals/cell; A Multi-Institutional Study**  
Ballard, M., Toukatly, M., Bean, G., Jalikis, F., Krings, G., Schmidt, R., Chen, Y., Dintzis, S., Troxell, M., West, R., Sibley, R., Allison, K.  
NATURE PUBLISHING GROUP.2018: 47–48
- **Potential Impact of Proposed HER2 FISH Guideline Updates on FISH results; A Multi-Institutional Study**  
Ballard, M., MacKerricher, W., Jalikis, F., Krings, G., Schmidt, R., Chen, Y., Rendi, M., Dintzis, S., Troxell, M., West, R., Sibley, R., Allison, K.  
NATURE PUBLISHING GROUP.2018: 48
- **Pathologic Features and Clinical Outcomes of Breast Cancers with HER2/CEP17 ratio < 2.0 and mean HER2 signals /cell > 6.0 by FISH; A Multi-Institutional Study**  
Ballard, M., Toukatly, M., Bean, G., Jalikis, F., Krings, G., Schmidt, R., Chen, Y., Rendi, M., Dintzis, S., Troxell, M., West, R., Sibley, R., Allison, et al  
NATURE PUBLISHING GROUP.2018: 48
- **Characteristics and clinical outcomes of pleomorphic lobular carcinoma in situ of the breast** *BREAST JOURNAL*  
Fasola, C. E., Chen, J., Jensen, K. C., Allison, K. H., Horst, K. C.  
2018; 24 (1): 66–69
- **Second opinion strategies in breast pathology: a decision analysis addressing over-treatment, under-treatment, and care costs** *BREAST CANCER RESEARCH AND TREATMENT*  
Tosteson, A. A., Yang, Q., Nelson, H. D., Longton, G., Soneji, S. S., Pepe, M., Geller, B., Carney, P. A., Onega, T., Allison, K. H., Elmore, J. G., Weaver, D. L.  
2018; 167 (1): 195–203
- **Assessing Tumor-Infiltrating Lymphocytes in Solid Tumors: A Practical Review for Pathologists and Proposal for a Standardized Method from the International Immuno-Oncology Biomarkers Working Group: Part 2: TILs in Melanoma, Gastrointestinal Tract Carcinomas, Non-Small Cell Lung Carcinoma and Mesothelioma, Endometrial and Ovarian Carcinomas, Squamous Cell Carcinoma of the Head and Neck, Genitourinary Carcinomas, and Primary Brain Tumors** *ADVANCES IN ANATOMIC PATHOLOGY*  
Hendry, S., Salgado, R., Gevaert, T., Russell, P. A., John, T., Thapa, B., Christie, M., van de Vijver, K., Estrada, M. V., Gonzalez-Ericsson, P. I., Sanders, M., Solomon, B., Solinas, et al  
2017; 24 (6): 311–35
- **Assessing Tumor-infiltrating Lymphocytes in Solid Tumors: A Practical Review for Pathologists and Proposal for a Standardized Method From the International Immunooncology Biomarkers Working Group: Part 1: Assessing the Host Immune Response, TILs in Invasive Breast Carcinoma and Ductal Carcinoma In Situ, Metastatic Tumor Deposits and Areas for Further Research** *ADVANCES IN ANATOMIC PATHOLOGY*  
Hendry, S., Salgado, R., Gevaert, T., Russell, P. A., John, T., Thapa, B., Christie, M., van de Vijver, K., Estrada, M. V., Gonzalez-Ericsson, P. I., Sanders, M., Solomon, B., Solinas, et al

2017; 24 (5): 235-51

- **The diagnostic challenge of low-grade ductal carcinoma in situ.** *European journal of cancer*  
Onega, T., Weaver, D. L., Frederick, P. D., Allison, K. H., Tosteson, A. N., Carney, P. A., Geller, B. M., Longton, G. M., Nelson, H. D., Oster, N. V., Pepe, M. S., Elmore, J. G.  
2017; 80: 39-47
- **Surgical implications and variability in the use of the flat epithelial atypia diagnosis on breast biopsy specimens.** *Breast*  
Samples, L. S., Rendi, M. H., Frederick, P. D., Allison, K. H., Nelson, H. D., Morgan, T. R., Weaver, D. L., Elmore, J. G.  
2017; 34: 34-43
- **Characteristics associated with requests by pathologists for second opinions on breast biopsies.** *Journal of clinical pathology*  
Geller, B. M., Nelson, H. D., Weaver, D. L., Frederick, P. D., Allison, K. H., Onega, T., Carney, P. A., Tosteson, A. N., Elmore, J. G.  
2017
- **Diagnostic Reproducibility: What Happens When the Same Pathologist Interprets the Same Breast Biopsy Specimen at Two Points in Time?** *ANNALS OF SURGICAL ONCOLOGY*  
Jackson, S. L., Frederick, P. D., Pepe, M. S., Nelson, H. D., Weaver, D. L., Allison, K. H., Carney, P. A., Geller, B. M., Tosteson, A. N., Onega, T., Elmore, J. G.  
2017; 24 (5): 1234-1241
- **A Standard Set of Value-Based Patient-Centered Outcomes for Breast Cancer: The International Consortium for Health Outcomes Measurement (ICHOM) Initiative.** *JAMA oncology*  
Ong, W. L., Schouwenburg, M. G., van Bommel, A. C., Stowell, C., Allison, K. H., Benn, K. E., Browne, J. P., Cooter, R. D., Delaney, G. P., Duhoux, F. P., Ganz, P. A., Hancock, P., Jagsi, et al  
2017; 3 (5): 677-685
- **'Non-classical' HER2 FISH results in breast cancer: a multi-institutional study** *MODERN PATHOLOGY*  
Ballard, M., Jalikis, F., Krings, G., Schmidt, R. A., Chen, Y., Rendi, M. H., Dintzis, S. M., Jensen, K. C., West, R. B., Sibley, R. K., Troxell, M. L., Allison, K. H.  
2017; 30 (2): 227-235
- **The molecular basis of breast cancer pathological phenotypes.** *journal of pathology*  
Heng, Y. J., Lester, S. C., Tse, G. M., Factor, R. E., Allison, K. H., Collins, L. C., Chen, Y., Jensen, K. C., Johnson, N. B., Jeong, J. C., Punjabi, R., Shin, S. J., Singh, et al  
2017; 241 (3): 375-391
- **The Influence of Disease Severity of Preceding Clinical Cases on Pathologists' Medical Decision Making** *MEDICAL DECISION MAKING*  
Frederick, P. D., Nelson, H. D., Carney, P. A., Brunye, T. T., Allison, K. H., Weaver, D. L., Elmore, J. G.  
2017; 37 (1): 91-100
- **Regional Variability in Percentage of Breast Cancers Reported as Positive for HER2 in California: Implications of Patient Demographics on Laboratory Benchmarks.** *American journal of clinical pathology*  
Lin, C. Y., Carneal, E. E., Lichtensztajn, D. Y., Gomez, S. L., Clarke, C. A., Jensen, K. C., Kurian, A. W., Allison, K. H.  
2017; 148 (3): 199-207
- **Topical Imiquimod Plus Nab-paclitaxel for Breast Cancer Cutaneous Metastases: A Phase 2 Clinical Trial.** *JAMA oncology*  
Salazar, L. G., Lu, H., Reichow, J. L., Childs, J. S., Coveler, A. L., Higgins, D. M., Waisman, J., Allison, K. H., Dang, Y., Disis, M. L.  
2017; 3 (7): 969-73
- **COMPARISON OF BREAST CARCINOMA NOTTINGHAM GRADING BY GLASS SLIDES VERSUS DIGITAL WHOLE SLIDE IMAGES: VARIABILITY INCREASES USING DIGITAL FORMAT**  
Davidson, T. M., Rendi, M. H., Allison, K. H., Weaver, D. L., Elmore, J. G.  
BMJ PUBLISHING GROUP.2017: 284
- **Will oncotype DX DCIS testing guide therapy? A single-institution correlation of oncotype DX DCIS results with histopathologic findings and clinical management decisions.** *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*  
Lin, C. Y., Mooney, K., Choy, W., Yang, S. R., Barry-Holson, K., Horst, K., Wapnir, I., Allison, K.  
2017
- **A Randomized Study Comparing Digital Imaging to Traditional Glass Slide Microscopy for Breast Biopsy and Cancer Diagnosis.** *Journal of pathology informatics*  
Elmore, J. G., Longton, G. M., Pepe, M. S., Carney, P. A., Nelson, H. D., Allison, K. H., Geller, B. M., Onega, T., Tosteson, A. N., Mercan, E., Shapiro, L. G., Brunyé, T. T., Morgan, et al

2017; 8: 12-?

- **Diagnostic Reproducibility: What Happens When the Same Pathologist Interprets the Same Breast Biopsy Specimen at Two Points in Time?** *Annals of surgical oncology*  
Jackson, S. L., Frederick, P. D., Pepe, M. S., Nelson, H. D., Weaver, D. L., Allison, K. H., Carney, P. A., Geller, B. M., Tosteson, A. N., Onega, T., Elmore, J. G.  
2016: -?
- **'Non-classical' HER2 FISH results in breast cancer: a multi-institutional study.** *Modern pathology*  
Ballard, M., Jalikis, F., Krings, G., Schmidt, R. A., Chen, Y., Rendi, M. H., Dintzis, S. M., Jensen, K. C., West, R. B., Sibley, R. K., Troxell, M. L., Allison, K. H.  
2016
- **Histological features associated with diagnostic agreement in atypical ductal hyperplasia of the breast: illustrative cases from the B-Path study.** *Histopathology*  
Allison, K. H., Rendi, M. H., Peacock, S., Morgan, T., Elmore, J. G., Weaver, D. L.  
2016
- **Pupil diameter changes reflect difficulty and diagnostic accuracy during medical image interpretation** *BMC MEDICAL INFORMATICS AND DECISION MAKING*  
Brunye, T. T., Eddy, M. D., Mercan, E., Allison, K. H., Weaver, D. L., Elmore, J. G.  
2016; 16
- **Identifying and processing the gap between perceived and actual agreement in breast pathology interpretation** *MODERN PATHOLOGY*  
Carney, P. A., Allison, K. H., Oster, N. V., Frederick, P. D., Morgan, T. R., Geller, B. M., Weaver, D. L., Elmore, J. G.  
2016; 29 (7): 717-726
- **Evaluation of 12 strategies for obtaining second opinions to improve interpretation of breast histopathology: simulation study** *BMJ-BRITISH MEDICAL JOURNAL*  
Elmore, J. G., Tosteson, A. N., Pepe, M. S., Longton, G. M., Nelson, H. D., Geller, B., Carney, P. A., Onega, T., Allison, K. H., Jackson, S. L., Weaver, D. L.  
2016; 353
- **Variability in Pathologists' Interpretations of Individual Breast Biopsy Slides: A Population Perspective** *ANNALS OF INTERNAL MEDICINE*  
Elmore, J. G., Nelson, H. D., Pepe, M. S., Longton, G. M., Tosteson, A. N., Geller, B., Onega, T., Carney, P. A., Jackson, S. L., Allison, K. H., Weaver, D. L.  
2016; 164 (10): 649-?
- **The Milky Way Sign: A New Diagnostic Finding of Ductal Carcinoma in situ on Digital Breast Tomosynthesis** *BREAST JOURNAL*  
Xu, Y., Miyake, K. K., Liu, Y. I., Downey, J. R., Lipson, J. A., Allison, K. H., Ikeda, D. M.  
2016; 22 (3): 349-351
- **The Influence of Disease Severity of Preceding Clinical Cases on Pathologists' Medical Decision Making.** *Medical decision making*  
Frederick, P. D., Nelson, H. D., Carney, P. A., Brunyé, T. T., Allison, K. H., Weaver, D. L., Elmore, J. G.  
2016: -?
- **Breast cancer stem cells: are we ready to go from bench to bedside?** *HISTOPATHOLOGY*  
Lin, C., Barry-Holson, K. Q., Allison, K. H.  
2016; 68 (1): 119-137
- **Breast cancer stem cells: are we ready to go from bench to bedside?** *Histopathology*  
Lin, C. Y., Barry-Holson, K. Q., Allison, K. H.  
2016; 68 (1): 119-37
- **Role of Patient and Disease Factors in Adjuvant Systemic Therapy Decision Making for Early-Stage, Operable Breast Cancer: American Society of Clinical Oncology Endorsement of Cancer Care Ontario Guideline Recommendations.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*  
Henry, N. L., Somerfield, M. R., Abramson, V. G., Allison, K. H., Anders, C. K., Chingos, D. T., Hurria, A., Openshaw, T. H., Krop, I. E.  
2016; 34 (19): 2303-11
- **DNA defects, epigenetics, and gene expression in cancer-adjacent breast: a study from The Cancer Genome Atlas.** *NPJ breast cancer*  
Troester, M. A., Hoadley, K. A., D'Arcy, M., Cherniack, A. D., Stewart, C., Koboldt, D. C., Robertson, A. G., Mahurkar, S., Shen, H., Wilkerson, M. D., Sandhu, R., Johnson, N. B., Allison, et al  
2016; 2: 16007

- **Optimized Protocol for Quantitative Multiple Reaction Monitoring-Based Proteomic Analysis of Formalin-Fixed, Paraffin-Embedded Tissues.** *Journal of proteome research*  
Kennedy, J. J., Whiteaker, J. R., Schoenherr, R. M., Yan, P., Allison, K., Shipley, M., Lerch, M., Hoofnagle, A. N., Baird, G. S., Paulovich, A. G.  
2016; 15 (8): 2717-28
- **Comprehensive Molecular Portraits of Invasive Lobular Breast Cancer** *CELL*  
Ciriello, G., Gatzka, M. L., Beck, A. H., Wilkerson, M. D., Rhie, S. K., Pastore, A., Zhang, H., McLellan, M., Yau, C., Kandoth, C., Bowlby, R., Shen, H., Hayat, et al  
2015; 163 (2): 506-519
- **Trends in Breast Biopsy Pathology Diagnoses Among Women Undergoing Mammography in the United States: A Report From the Breast Cancer Surveillance Consortium** *CANCER*  
Allison, K. H., Abraham, L. A., Weaver, D. L., Tosteson, A. N., Nelson, H. D., Onega, T., Geller, B. M., Kerlikowske, K., Carney, P. A., Ichikawa, L. E., Buist, D. S., Elmore, J. G.  
2015; 121 (9): 1369-1378
- **Reply to e.a. Rakha et Al.** *Journal of clinical oncology*  
Wolff, A. C., Hammond, M. E., Hicks, D. G., Allison, K. H., Bartlett, J. M., Bilous, M., Fitzgibbons, P., Hanna, W., Jenkins, R. B., Mangu, P. B., Paik, S., Perez, E. A., Press, et al  
2015; 33 (11): 1302-1304
- **Diagnostic Concordance Among Pathologists interpreting Breast Biopsy Specimens** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*  
Elmore, J. G., Longton, G. M., Carney, P. A., Geller, B. M., Onega, T., Tosteson, A. N., Nelson, H. D., Pepe, M. S., Allison, K. H., Schnitt, S. J., O'Malley, F. P., Weaver, D. L.  
2015; 313 (11): 1122-1132
- **Initial results with preoperative tattooing of biopsied axillary lymph nodes and correlation to sentinel lymph nodes in breast cancer patients.** *Annals of surgical oncology*  
Choy, N., Lipson, J., Porter, C., Ozawa, M., Kiernyn, A., Pal, S., Kao, J., Trinh, L., Wheeler, A., Ikeda, D., Jensen, K., Allison, K., Wapnir, et al  
2015; 22 (2): 377-382
- **The evaluation of tumor-infiltrating lymphocytes (TILs) in breast cancer: recommendations by an International TILs Working Group 2014** *ANNALS OF ONCOLOGY*  
Salgado, R., Denkert, C., Demaria, S., Sirtaine, N., Klauschen, F., Pruneri, G., Wienert, S., Van den Eynden, G., Baehner, F. L., Penault-Llorca, F., Perez, E. A., Thompson, E. A., Symmans, et al  
2015; 26 (2): 259-271
- **Impact of histological subtype on long-term outcomes of neuroendocrine carcinoma of the breast** *BREAST CANCER RESEARCH AND TREATMENT*  
Cloyd, J. M., Yang, R. L., Allison, K. H., Norton, J. A., Hernandez-Boussard, T., Wapnir, I. L.  
2014; 148 (3): 637-644
- **Impact of histological subtype on long-term outcomes of neuroendocrine carcinoma of the breast.** *Breast cancer research and treatment*  
Cloyd, J. M., Yang, R. L., Allison, K. H., Norton, J. A., Hernandez-Boussard, T., Wapnir, I. L.  
2014; 148 (3): 637-644
- **Second opinion in breast pathology: policy, practice and perception** *JOURNAL OF CLINICAL PATHOLOGY*  
Geller, B. M., Nelson, H. D., Carney, P. A., Weaver, D. L., Onega, T., Allison, K. H., Frederick, P. D., Tosteson, A. N., Elmore, J. G.  
2014; 67 (11): 955-960
- **Risk of secondary malignancy (including breast) in patients with mismatch-repair protein deficiency.** *American journal of surgical pathology*  
Clay, M. R., Allison, K. H., Folkins, A. K., Longacre, T. A.  
2014; 38 (11): 1494-1500
- **Second opinion in breast pathology: policy, practice and perception.** *Journal of clinical pathology*  
Geller, B. M., Nelson, H. D., Carney, P. A., Weaver, D. L., Onega, T., Allison, K. H., Frederick, P. D., Tosteson, A. N., Elmore, J. G.  
2014; 67 (11): 955-960
- **Risk of Secondary Malignancy (Including Breast) in Patients With Mismatch-repair Protein Deficiency** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*  
Clay, M. R., Allison, K. H., Folkins, A. K., Longacre, T. A.  
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- **Digitized Whole Slides for Breast Pathology Interpretation: Current Practices and Perceptions** *JOURNAL OF DIGITAL IMAGING*  
Onega, T., Weaver, D., Geller, B., Oster, N., Tosteson, A. N., Carney, P. A., Nelson, H., Allison, K. H., O'Malley, F. P., Schnitt, S. J., Elmore, J. G.  
2014; 27 (5): 642-648
- **Extracellular matrix stiffness and composition jointly regulate the induction of malignant phenotypes in mammary epithelium.** *Nature materials*  
Chaudhuri, O., Koshy, S. T., Branco da Cunha, C., Shin, J., Verbeke, C. S., Allison, K. H., Mooney, D. J.  
2014; 13 (10): 970-978
- **Digitized whole slides for breast pathology interpretation: current practices and perceptions.** *Journal of digital imaging*  
Onega, T., Weaver, D., Geller, B., Oster, N., Tosteson, A. N., Carney, P. A., Nelson, H., Allison, K. H., O'Malley, F. P., Schnitt, S. J., Elmore, J. G.  
2014; 27 (5): 642-648
- **Extracellular matrix stiffness and composition jointly regulate the induction of malignant phenotypes in mammary epithelium** *NATURE MATERIALS*  
Chaudhuri, O., Koshy, S. T., da Cunha, C. B., Shin, J., Verbeke, C. S., Allison, K. H., Mooney, D. J.  
2014; 13 (10): 970-978
- **Heterogeneity and Cancer** *ONCOLOGY-NEW YORK*  
Allison, K. H., Sledge, G. W.  
2014; 28 (9): 772-778
- **Heterogeneity and cancer.** *Oncology (Williston Park, N.Y.)*  
Allison, K. H., Sledge, G. W.  
2014; 28 (9): 772-778
- **Eye Movements as an Index of Pathologist Visual Expertise: A Pilot Study** *PLOS ONE*  
Brunye, T. T., Carney, P. A., Allison, K. H., Shapiro, L. G., Weaver, D. L., Elmore, J. G.  
2014; 9 (8)
- **Understanding diagnostic variability in breast pathology: lessons learned from an expert consensus review panel** *HISTOPATHOLOGY*  
Allison, K. H., Reisch, L. M., Carney, P. A., Weaver, D. L., Schnitt, S. J., O'Malley, F. P., Geller, B. M., Elmore, J. G.  
2014; 65 (2): 240-251
- **A framework for evaluating diagnostic discordance in pathology discovered during research studies.** *Archives of pathology & laboratory medicine*  
Feng, S., Weaver, D. L., Carney, P. A., M Reisch, L., M Geller, B., Goodwin, A., Rendi, M. H., Onega, T., Allison, K. H., Tosteson, A. N., Nelson, H. D., Longton, G., Pepe, et al  
2014; 138 (7): 955-961
- **Recommendations for human epidermal growth factor receptor 2 testing in breast cancer: american society of clinical oncology/college of american pathologists clinical practice guideline update.** *Archives of pathology & laboratory medicine*  
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