

Dr. Peter Ainsworth – Publications

- 1: Kotsopoulos J, Gronwald J, Karlan B, Rosen B, Huzarski T, Moller P, Lynch HT, Singer CF, Senter L, Neuhausen SL, Tung N, Eisen A, Foulkes WD, Ainsworth P, Sun P, Lubinski J, Narod SA; Hereditary Ovarian Cancer Clinical Study Group. Age-specific ovarian cancer risks among women with a BRCA1 or BRCA2 mutation. *Gynecol Oncol*. 2018 Jul;150(1):85-91. doi: 10.1016/j.ygyno.2018.05.011. Epub 2018 May 21. PubMed PMID: 29793803.
- 2: Kotsopoulos J, Gronwald J, Lynch HT, Eisen A, Neuhausen SL, Tung N, Ainsworth P, Weitzel JN, Pal T, Foulkes WD, Eng C, Singer CF, Senter L, Sun P, Lubinski J, Narod SA; Hereditary Breast Cancer Clinical Study Group. Age at first full-term birth and breast cancer risk in BRCA1 and BRCA2 mutation carriers. *Breast Cancer Res Treat*. 2018 May 17. doi: 10.1007/s10549-018-4822-y. [Epub ahead of print] PubMed PMID: 29774471.
- 3: Aref-Eshghi E, Schenkel LC, Ainsworth P, Lin H, Rodenhiser DI, Cutz JC, Sadikovic B. Genomic DNA Methylation-Derived Algorithm Enables Accurate Detection of Malignant Prostate Tissues. *Front Oncol*. 2018 Apr 23;8:100. doi: 10.3389/fonc.2018.00100. eCollection 2018. PubMed PMID: 29740534; PubMed Central PMCID: PMC5925605.
- 4: Schenkel LC, Aref-Eshghi E, Skinner C, Ainsworth P, Lin H, Paré G, Rodenhiser DI, Schwartz C, Sadikovic B. Peripheral blood epi-signature of Claes-Jensen syndrome enables sensitive and specific identification of patients and healthy carriers with pathogenic mutations in KDM5C. *Clin Epigenetics*. 2018 Feb 14;10:21. doi: 10.1186/s13148-018-0453-8. eCollection 2018. PubMed PMID: 29456765; PubMed Central PMCID: PMC5813334.
- 5: Rutledge AB, McLeod N, Mehan N, Regan TW, Ainsworth P, Chong P, Doyle T, White M, Sanson-Fisher RW, Martin JM. A clinician-centred programme for behavior change in the optimal use of staging investigations for newly diagnosed prostate cancer. *BJU Int*. 2018 May;121 Suppl 3:22-27. doi: 10.1111/bju.14144. Epub 2018 Feb 16. PubMed PMID: 29359883.
- 6: Ko KP, Kim SJ, Huzarski T, Gronwald J, Lubinski J, Lynch HT, Armel S, Park SK, Karlan B, Singer CF, Neuhausen SL, Narod SA, Kotsopoulos J; Hereditary Breast Cancer Clinical Study Group. The association between smoking and cancer incidence in BRCA1 and BRCA2 mutation carriers. *Int J Cancer*. 2018 Jun 1;142(11):2263-2272. doi: 10.1002/ijc.31257. Epub 2018 Jan 25. PubMed PMID: 29330845.
- 7: Aref-Eshghi E, Rodenhiser DI, Schenkel LC, Lin H, Skinner C, Ainsworth P, Paré G, Hood RL, Bulman DE, Kernohan KD; Care4Rare Canada Consortium, Boycott KM, Campeau PM, Schwartz C, Sadikovic B. Genomic DNA Methylation Signatures Enable Concurrent Diagnosis and Clinical Genetic Variant Classification in Neurodevelopmental Syndromes. *Am J Hum Genet*. 2018 Jan 4;102(1):156-174. doi: 10.1016/j.ajhg.2017.12.008. PubMed PMID: 29304373; PubMed Central PMCID: PMC5777983.
- 8: Gupta SK, Watson T, Denham J, Shakespeare TP, Rutherford N, McLeod N, Picton K, Ainsworth P, Bonaventura T, Martin JM. Prostate-Specific Membrane Antigen Positron Emission Tomography-Computed Tomography for Prostate Cancer: Distribution of Disease and Implications for Radiation Therapy Planning. *Int J Radiat Oncol Biol Phys*. 2017 Nov 1;99(3):701-709. doi: 10.1016/j.ijrobp.2017.06.2448. Epub 2017 Jun 27. PubMed PMID: 29280465.
- 9: Aref-Eshghi E, Schenkel LC, Lin H, Skinner C, Ainsworth P, Paré G, Rodenhiser D, Schwartz C, Sadikovic B. The defining DNA methylation signature of Kabuki syndrome enables functional assessment of genetic variants of unknown clinical significance. *Epigenetics*. 2017;12(11):923-933. doi: 10.1080/15592294.2017.1381807. Epub 2017 Nov 7. PubMed PMID: 28933623; PubMed Central PMCID: PMC5788422.
- 10: Kerkhof J, Schenkel LC, Reilly J, McRobbie S, Aref-Eshghi E, Stuart A, Rupar CA, Adams P, Hegele RA, Lin H, Rodenhiser D, Knoll J, Ainsworth PJ, Sadikovic B. Clinical Validation of Copy Number Variant Detection from

Targeted Next-Generation Sequencing Panels. *J Mol Diagn.* 2017 Nov;19(6):905-920. doi: 10.1016/j.jmoldx.2017.07.004. Epub 2017 Aug 15. PubMed PMID: 28818680.

11: Aref-Eshghi E, Schenkel LC, Lin H, Skinner C, Ainsworth P, Paré G, Siu V, Rodenhiser D, Schwartz C, Sadikovic B. Clinical Validation of a Genome-Wide DNA Methylation Assay for Molecular Diagnosis of Imprinting Disorders. *J Mol Diagn.* 2017 Nov;19(6):848-856. doi: 10.1016/j.jmoldx.2017.07.002. Epub 2017 Aug 12. PubMed PMID: 28807811.

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15: McGee J, Panabaker K, Leonard S, Ainsworth P, Elit L, Shariff SZ. Genetics Consultation Rates Following a Diagnosis of High-Grade Serous Ovarian Carcinoma in the Canadian Province of Ontario. *Int J Gynecol Cancer.* 2017 Mar;27(3):437-443. doi: 10.1097/IGC.0000000000000907. PubMed PMID: 28072594; PubMed Central PMCID: PMC5427985.

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