

Jórunn Erla Eyfjörð

Selected recent publications:

Davies H, Glodzik D, Morganella S, Yates LR, Staaf J, Zou X, Ramakrishna M, Martin S, Boyault S, Sieuwerts AM, Simpson PT, King TA, Raine K, **Eyfjord JE**, Kong G, Borg Å, Birney E, Stunnenberg HG, van de Vijver MJ, Børresen-Dale AL, Martens JW, Span PN, Lakhani SR, Vincent-Salomon A, Sotiriou C, Tutt A, Thompson AM, Van Laere S, Richardson AL, Viari A, Campbell PJ, Stratton MR, Nik-Zainal S. **HRDetect is a predictor of BRCA1 and BRCA2 deficiency based on mutational signatures.** *Nature Med.* (2017) Apr;23(4):517-525. doi: 10.1038/nm.4292.

Morganella S, Alexandrov LB, Glodzik D, Zou X, Davies H, Staaf J, Sieuwerts AM, Brinkman AB, Martin S, Ramakrishna M, Butler A, Kim HY, Borg Å, Sotiriou C, Futreal PA, Campbell PJ, Span PN, Van Laere S, Lakhani SR, **Eyfjord JE**, Thompson AM, Stunnenberg HG, van de Vijver MJ, Martens JW, Børresen-Dale AL, Richardson AL, Kong G, Thomas G, Sale J, Rada C, Stratton MR, Birney E, Nik-Zainal S. **The topography of mutational processes in breast cancer genomes.** *Nature Commun.* (2016) May 2;7: 11383. doi: 10.1038/ncomms11383

Nik-Zainal S, Davies H, Staaf J, Ramakrishna M, Glodzik D, Zou X, Martincorena I, Alexandrov LB, Martin S, Wedge DC, Van Loo P, Ju YS, Smid M, Brinkman AB, Morganella S, Aure MR, Lingjærde OC, Langerød A, Ringnér M, Ahn SM, Boyault S, Brock JE, Broeks A, Butler A, Desmedt C, Dirix L, Dronov S, Fatima A, Foekens JA, Gerstung M, Hooijer GK, Jang SJ, Jones DR, Kim HY, King TA, Krishnamurthy S, Lee HJ, Lee JY, Li Y, McLaren S, Menzies A, Mustonen V, O'Meara S, Pauporté I, Pivot X, Purdie CA, Raine K, Ramakrishnan K, Rodríguez-González FG, Romieu G, Sieuwerts AM, Simpson PT, Shepherd R, Stebbings L, Stefansson OA, Teague J, Tommasi S, Treilleux I, Van den Eynden GG, Vermeulen P, Vincent-Salomon A, Yates L, Caldas C, van't Veer L, Tutt A, Knappskog S, Tan BK, Jonkers J, Borg Å, Ueno NT, Sotiriou C, Viari A, Futreal PA, Campbell PJ, Span PN, Van Laere S, Lakhani SR, **Eyfjord JE**, Thompson AM, Birney E, Stunnenberg HG, van de Vijver MJ, Martens JW, Børresen-Dale AL, Richardson AL, Kong G, Thomas G, Stratton MR. **Landscape of somatic mutations in 560 breast cancer whole-genome sequences.** *Nature.* (2016) May 2;534(7605):47-54. doi: 10.1038/nature17676

Alexandrov LB, Nik-Zainal S, Wedge DC, Aparicio SA, Behjati S, Biankin AV, Bignell GR, Bolli N, Borg A, Børresen-Dale AL, Boyault S, Burkhardt B, Butler AP, Caldas C, Davies HR, Desmedt C, Eils R, **Eyfjord JE**, Foekens JA, Greaves M, Hosoda F, Hutter B, Ilicic T, Imbeaud S, Imielinski M, Jäger N, Jones DT, Jones D, Knappskog S, Kool M, Lakhani SR, López-Otín C, Martin S, Munshi NC, Nakamura H, Northcott PA, Pajic M, Papaemmanuil E, Paradiso A, Pearson JV, Puente XS, Raine K, Ramakrishna M, Richardson AL, Richter J, Rosenstiel P, Schlesner M, Schumacher TN, Span PN, Teague JW, Totoki Y, Tutt AN, Valdés-Mas R, van Buuren MM, van 't Veer L, Vincent-Salomon A, Waddell N, Yates LR; Australian Pancreatic Cancer Genome Initiative; ICGC Breast Cancer Consortium; ICGC MML-Seq Consortium; ICGC PedBrain, Zucman-Rossi J, Futreal PA, McDermott U, Lichten P, Meyerson M, Grimmond SM, Siebert R, Campo E, Shibata T, Pfister SM, Campbell PJ, Stratton MR. **Signatures of mutational processes in human cancer.** *Nature* (2013) Aug 22;500(7463):415-2.

Older selected publications:

Thorlacius, S., Tryggvadottir, L., Olafsdottir, G. H., Jonasson, J. G., Ogmundsdottir, H. M., Tulinius, H., and **Eyfjord, J. E.**, **Linkage to BRCA2 region in hereditary male breast cancer [editorial comment],** *Lancet*, **346**, 544 (1995).

Thorlacius, S., Olafsdottir, G., Tryggvadottir, L., Neuhausen, S., Jonasson, J. G., Tavtigian, S. V., Tulinius, H., Ogmundsdottir, H. M., and **Eyford, J. E.**, **A single BRCA2 mutation in male and female breast cancer families from Iceland with varied cancer phenotypes** [editorial comments], *Nature Genetics*, **13**, 117 (1996).

Thorlacius, S., Sigurdsson, S., Bjarnadottir, H., Olafsdottir, G., Jonasson, J. G., Tryggvadottir, L., Tulinius, H., and **Eyford, J. E.**, **Study of a single BRCA2 mutation with high carrier frequency in a small population** [editorial comments], *Am J Hum Genet*, **60**, 1079 (1997).

Sigurdsson, S., Thorlacius, S., Tomasson, J., Tryggvadottir, L., Benediktsdottir, K., **Eyford, J. E.**, and Jonsson, E., **BRCA2 mutation in Icelandic prostate cancer patients**, *J Mol Med*, **75**, 758 (1997).

Eyford, J. E., Thorlacius, S., Steinarsdottir, M., Valgardsdottir, R., Ogmundsdottir, H. M., and Anamthawat-Jonsson, K., **p53 abnormalities and genomic instability in primary human breast carcinomas**, *Cancer Res*, **55**, 646-651 (1995).

Gretarsdottir, S., Thorlacius, S., Valgardsdottir, R., Gudlaugsdottir, S., Sigurdsson, S., Steinarsdottir, M., Jonasson, J. G., Anamthawat-Jonsson, K., and **Eyford, J. E.**, **BRCA2 and p53 mutations in primary breast cancer in relation to genetic instability**, *Cancer Res*, **58**, 859 (1998).

Thorlacius, S., Struewing, J. P., Hartge, P., Olafsdottir, G. H., Sigvaldason, H., Tryggvadottir, L., Wacholder, S., Tulinius, H., and **Eyford, J.E.**, **Population-based study of risk of breast cancer in carriers of BRCA2 mutation** [editorial comments], *Lancet*, **352**, 1337 (1998).

Eyford JE, Bødvarsdottir SK. Genomic instability and cancer: Networks involved in response to DNA damage. *Mutat Res.* 592(1-2):18-28. (2005)

Valgerdur Birgisdottir, Olafur A Stefansson, Sigridur K Bodvarsdottir, Holmfridur Hilmarsdottir, Jon G Jonasson, **Jorunn E Eyford. Epigenetic silencing and deletion of the BRCA1 gene in sporadic breast cancer. *Breast Cancer Res. Jul 17;8(4): R38 (2006)***

Stefansson OA, Jonasson JG, Olafsdottir K, Bjarnason H, Johannsson OT, Bodvarsdottir SK, Valgeirsdottir S, **Eyford JE. Genomic and Phenotypic Analysis of BRCA2 Mutated Breast Cancers Reveals Co-occurring Changes Linked to Progression. *13,5, R95, Breast Cancer Research (2011)***