

Dr Sarah Pinder's publications

Publications from 2014 and 2015:

1. Assessment of microtubule associated protein (MAP)-Tau expression as a predictive and prognostic marker in TACT; a trial assessing substitution of sequential docetaxel for FEC as adjuvant chemotherapy for early breast cancer. Irshad S, Gillett C, Pinder SE, A'Hern RP, Dowsett M, Ellis IO, Bartlett JMS, Bliss JM, Hanby A, Johnston S, Barrett-Lee P, Ellis P, Tutt A. *Breast Cancer Research and Treatment*, 2014, 144(2): 331-341. Doi: 10.1007/s10549-014-2855-4. E-pub 12 Feb 2014.
2. Genetic predisposition to in situ and invasive lobular carcinoma of the breast. Elinor Sawyer, Rebecca Roylance, Christos Petridis, Mark N. Brook, Salpie Nowinski, Efterpi Papouli, Olivia Fletcher, Sarah Pinder, Andrew Hanby, Kelly Kohut, Patricia Gorman, Michele Caneppele, Julian Peto, Isabel dos Santos Silva, Nichola Johnson, Ruth Swann, Miriam Dwek, Katherine-Anne Perkin⁸, Cheryl Gillett, Richard Houlston, Gillian Ross, Paolo De Ieso, Melissa C. Southey, John L. Hopper, Elena Provenzano, Carmel Apicella, Jelle Wesseling, Sten Cornelissen, Renske Keeman, Peter A. Fasching, Sebastian M. Jud, Arif B. Ekici, Matthias W. Beckmann, Michael J. Kerin, Federick Marme, Andreas Schneeweiss, Christof Sohn, Barbara Burwinkel, Pascal Guénel, Therese Truong, Pierre Laurent-Puig, Pierre Kerbrat, Stig E. Bojesen, Børge G. Nordestgaard, Sune F Nielsen, Henrik Flyger, Roger L. Milne, Jose Ignacio Arias Perez, Primitiva Menéndez, Javier Benitez, Hermann Brenner, Aida Karina Dieffenbach, Volker Arndt, Christa Stegmaier, Alfons Meindl, Peter Lichtner, Rita K. Schmutzler, Magdalena Lochmann, Hiltrud Brauch, Hans-Peter Fischer, Yon-Dschun Ko, The GENICA Network, Heli Nevanlinna, Taru A. Muranen, Kristiina Aittomäki, Carl Blomqvist, Natalia V. Bogdanova, Thilo Dörk, Annika Lindblom, Sara Margolin, Arto Mannermaa, Vesa Kataja, Veli-Matti Kosma, Jaana M. Hartikainen, Georgia Chenevix-Trenc², kConFab Investigators, Diether Lambrechts, Caroline Weltens, Erik Van Limbergen, Sigrid Hatse, Jenny Chang-Claude, Anja Rudolph, Petra Seibold, Dieter Flesch-Janys, Paolo Radice, Paolo Peterlongo, Bernardo Bonanni, Sara Volorio, Graham G. Giles, Gianluca Severi, Laura Baglietto, Catriona A. Mclean, Christopher A. Haiman, Brian E. Henderson, Fredrick Schumacher, Loic Le Marchand, Jacques Simard, Mark S. Goldberg, France Labrèche, Martine Dumont, Vessela Kristensen, Robert Winqvist, Katri Pylkäs, Arja Jukkola-Vuorinen, Saila Kauppila, Irene L. Andrulis, Julia A. Knight, Gord Glendon, Anna Marie Mulligan, Peter Devillee, Rob A.E.M. Tollenaar, Caroline M. Seynaeve, Mieke Kriege, Jonine Figueroa, Stephen J. Chanock, Mark E. Sherman, Maartje J. Hooning, Antoinette Hollestelle, Ans M.W. van den Ouweland, Carolien H.M. van Deurzen, Jingmei Li, Kamila Czene, Keith Humphreys, Angela Cox, Simon S. Cross, Malcolm W. R. Reed, Mitul Shah, Anna Jakubowska, Jan Lubinski, Katarzyna Jaworska-Bieniek, Katarzyna Durda, Anthony Swerdlow, Alan Ashworth, Nicholas Orr, Minouk Schoemaker, Fergus J. Couch, Emily Hallberg, Anna González-Neira, Guillermo Pita, M. Rosario Alonso, Daniel C. Tessier, Daniel Vincent, Francois Bacot, Manjeet K. Bolla, Qin Wang, Joe Dennis, Kyriaki Michailidou, Alison M. Dunning, Per Hall, Doug Easton, Paul Pharoah, Marjanka K Schmidt, Ian Tomlinson, Montserrat Garcia-Closas. *PLoS Genet*. 2014 Apr 17;10(4):e1004285. doi: 10.1371/journal.pgen.1004285. eCollection 2014 Apr. PMID: 24743323
3. Age at diagnosis and distant metastasis in breast cancer - A surprising inverse relationship. Purushotham A, Shamil E, Cariati M, Agbaje O, Muhidin A, Gillett C, Mera A, Sivanadiyan K, Harries M, Sullivan R, Pinder SE, Garmo H, Holmberg L. *Eur J Cancer*. 2014 Apr 23. pii: S0959-8049(14)00566-8. doi: 10.1016/j.ejca.2014.04.002.
4. Processed pseudogenes acquired somatically during cancer development. Cooke SL, Shlien A, Marshall J, Pipinikas CP, Martincorena I, Tubio JM, Li Y, Menzies A, Mudie L, Ramakrishna M, Yates L, Davies H, Bolli N, Bignell GR, Tarpey PS, Behjati S, Nik-Zainal S, Papaemmanuil E, Teixeira VH, Raine K, O'Meara S, Dodoran MS, Teague JW, Butler AP¹, Iacobuzio-Donahue C, Santarius T, Grundy RG, Malkin D, Greaves M, Munshi N, Flanagan AM, Bowtell D, Martin S, Larsimont D, Reis-Filho JS, Boussioutas A, Taylor JA, Hayes ND, Janes SM,

Futreal PA, Stratton MR, McDermott U, Campbell PJ; ICGC Breast Cancer Group. (Pinder S, as collaborator). Nat Commun. 2014 Apr 9;5:3644. doi: 10.1038/ncomms4644.

5. Aldehyde dehydrogenase and estrogen receptor define a hierarchy of cellular differentiation in the normal human mammary epithelium. Gabriella Honeth, Sara Lombardi, Christophe Ginestier, Minhee Hur, Rebecca Marlow, Bharath Buchupalli, Ireneusz Shinomiya, Patrycja Gazinska, Silvia Bombelli, Vernie Ramalingam, Anand D Purushotham, Sarah E Pinder and Gabriela Dontu. Breast Cancer Research. 2014, 16:R52 May. DOI: 10.1186/bcr3663
6. Kiuchi T, Ortiz-Zapater E, Monypenny J, Matthews DR, Nguyen LK, Barbeau J, Coban O, Lawler K, Burford B, Rolfe DJ, de Rinaldis E, Dafou D, Simpson MA, Woodman N, **Pinder S**, Gillett CE, Devauges V, Poland SP, Fruhwirth G, Marra P, Boersma YL, Plücker A, Gullick WJ, Yarden Y, Santis G, Winn M, Kholodenko BN, Martin-Fernandez ML, Parker P, Tutt A, Ameer-Beg SM, Ng T. The ErbB4 CYT2 variant protects EGFR from ligand-induced degradation to enhance cancer cell motility. Sci Signal. 2014 Aug 19;7(339):ra78. doi: 10.1126/scisignal.2005157.
7. Tubio JM, Li Y, Ju YS, Martincorena I, Cooke SL, Tojo M, Gundem G, Pipinikas CP, Zamora J, Raine K, Menzies A, Roman-Garcia P, Fullam A, Gerstung M, Shlien A, Tarpey PS, Papaemmanuil E, Knappskog S, Van Loo P, Ramakrishna M, Davies HR, Marshall J, Wedge DC, Teague JW, Butler AP, Nik-Zainal S, Alexandrov L, Behjati S, Yates LR, Bolli N, Mudie L, Hardy C, Martin S, McLaren S, O'Meara S, Anderson E, Maddison M, Gamble S; ICGC Breast Cancer Group; ICGC Bone Cancer Group; ICGC Prostate Cancer Group, Foster C, Warren AY, Whitaker H, Brewer D, Eeles R, Cooper C, Neal D, Lynch AG, Visakorpi T, Isaacs WB, van't Veer L, Caldas C, Desmedt C, Sotiriou C, Aparicio S, Foekens JA, Eyfjörd JE, Lakhani SR, Thomas G, Myklebost O, Span PN, Børresen-Dale AL, Richardson AL, Van de Vijver M, Vincent-Salomon A, Van den Eynden GG, Flanagan AM, Futreal PA, Janes SM, Bova GS, Stratton MR, McDermott U, Campbell PJ. Mobile DNA in cancer. Extensive transduction of nonrepetitive DNA mediated by L1 retrotransposition in cancer genomes. Science. 2014 Aug 1;345(6196):1251343. doi: 10.1126/science.1251343. (Pinder as collaborator only)
8. Growth hormone is secreted by normal breast epithelium upon progesterone stimulation and increases proliferation of stem/progenitor cells. Sara Lombardi, Gabriella Honeth, Christophe Ginestier, Ireneusz Shinomiya, Rebecca Marlow, Bharath Buchupalli, Patrycja Gazinska, John Brown, Steven Catchpole, Suling Liu, Ariel Barkan, Max S. Wicha, Anand Purushotham, Joy Burchell, Sarah Pinder and Gabriela Dontu. Stem Cell Reports. 2014 Jun 3;2(6):780-93. doi: 10.1016/j.stemcr.2014.05.005.
9. Performance of automated scoring of ER, PR, HER2, CK5/6 and EGFR in breast cancer tissue microarrays in the Breast Cancer Association Consortium. William J Howat, Fiona M Blows, Mark N Brook, Lorna Morris, Patrycja Gazinska, Nicola Johnson, Leigh-Anne McDuffus, Jodi Miller, Elinor J Sawyer, Sarah Pinder, Carolien H M van Deurzen, Louise Jones, Reijo Sironen, Daniel Visscher, Carlos Caldas, Frances Daley, Annegien Broeks, Joyce Sanders, Jelle Wesseling, Heli Nevanlinna, Rainer Fagerholm, Carl Blomqvist, Päivi Heikkilä, H Raza Ali, Sarah-Jane Dawson, Jonine Figueroa, Jolanta Lissowska, Louise Brinton, Arto Mannermaa, Vesa Kataja, Veli-Matti Kosma, Angela Cox, Ian W Brock, Simon S Cross, Malcolm W Reed, Fergus J Couch, Janet E Olson, Peter Devillee, Wilma E Mesker, Caroline M Seyaneve, Antoinette Hollestelle, Javier Benitez, Jose Ignacio Arias Perez, Primitiva Menéndez, Manjeet K Bolla, Douglas F Easton, Marjanka K Schmidt, Elena Provenzano, Paul D Pharoah, Mark E Sherman, Montserrat García-Closas. Clinical Journal of Pathology.
10. Addendum to BASO II Trial Report. David Morgan, Stephen Duffy, Tom Bates, Sarah Pinder Eur J Cancer. 2014 Sep;50(14):2517-8. doi: 10.1016/j.ejca.2014.05.023.
11. Adverse surgical outcomes in screen-detected ductal carcinoma in situ of the breast. Thomas J, Hanby A, Pinder SE, Ball G, Lawrence G, Maxwell A, Wallis M, Evans A, Dobson H, Clements K, Thompson A; Sloane Project Steering Group. Eur J Cancer. 2014 May 26. pii: S0959-8049(14)00218-4. doi: 10.1016/j.ejca.2014.02.023.

12. Effect of radiotherapy after mastectomy and axillary surgery on 10-year recurrence and 20-year breast cancer mortality: meta-analysis of individual patient data for 8135 women in 22 randomised trials. EBCTCG (Early Breast Cancer Trialists' Collaborative Group), McGale P, Taylor C, Correa C, Cutter D, Duane F, Ewertz M, Gray R, Mannu G, Peto R, Whelan T, Wang Y, Wang Z, Darby S. *Lancet*. 2014 Jun 21;383(9935):2127-35. doi: 10.1016/S0140-6736(14)60488-8. Epub 2014 Mar 19. (Pinder as collaborator)
13. The ErcB4 CYT2 variant protects EGFR from ligand-induced degradation to enhance cancer cell motility. Tai Kiuchi, Elena Ortiz-Zapater, James Monypenny, Daniel R. Matthews, Lan K. Nguyen, Jody Barbeau, Oana Coban, Katherine Lawler, Brian Burford, Daniel J. Rolfe, Emanuele de Rinaldis, Dimitra Dafou, Michael A. Simpson, Natalie Woodman, Sarah Pinder, Cheryl E. Gillett, Viviane Devauges, Simon P. Poland, Gilbert Fruhwirth, Pierfrancesco Marra, Ykelien L. Boersma, Andreas Plückthun, William J. Gullick, Yosef Yarden, George Santis, Martyn Winn, Boris N. Kholodenko, Marisa L. Martin-Fernandez, Peter Parker, Andrew Tutt, Simon M. Ameer-Beg and Tony Ng. *Science Signaling*. 2014. Aug 19;7(339):ra78. doi: 10.1126/scisignal.2005157.
14. A tumor DNA complex aberration index is an independent predictor of survival in breast and ovarian cancer. Hans Kristian M Vollan, Oscar M Rueda, Suet-Feung Chin, Christina Curtis, Gulisa Turashvili, Sohrab Shah, Ole Christian Lingjærde, Yinyin Yuan, Charlotte K Ng, Mark J Dunning, Ed Dicks, Elena Provenzano, Stephen Sammut, Steven McKinney, Ian O Ellis, Sarah Pinder, Arnie Purushotham, Leigh C Murphy, Vessela N Kristensen, James D Brenton, Paul D Pharoah, Anne-Lise Børresen-Dale, Samuel Aparicio, Carlos Caldas. *Molecular Oncology* 2015 Jan;9(1):115-27. doi: 10.1016/j.molonc.2014.07.019.
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16. Updated UK Recommendations for HER2 assessment in breast cancer. Rakha EA, Pinder SE, Bartlett JM, Ibrahim M, Starczynski J, Carder PJ, Provenzano E, Hanby A, Hales S, Lee AH, Ellis IO; On behalf of the National Coordinating Committee for Breast Pathology. *J Clin Pathol*. 2015 Feb;68(2):93-9. doi: 10.1136/jclinpath-2014-202571.
17. Breast cancer with neoductgenesis: histopathological criteria and its correlation with mammographic and tumour features. Zhou W, Sollie T, Tot T, Pinder SE, Amini RM, Blomqvist C, Fjällskog ML, Christensson G, Abdsaleh S, Wärnberg F. *Int J Breast Cancer*. 2014;2014:581706. doi: 10.1155/2014/581706. Epub 2014 Oct 8.
18. Nottingham Clinico-Pathological Response Index (NPRI) after neoadjuvant chemotherapy (Neo-ACT) accurately predicts clinical outcome in locally advanced breast cancer. Abdel-Fatah TM, Ball G, Lee AH, Pinder SE, Macmillan RD, Cornford E, Moseley PM, Silverman R, Price J, Latham B, Palmer D, Chan A, Ellis IO, Chan S. *Clin Cancer Res*. 2014 Dec 17. pii: clincanres.0685.2014.
19. Macroscopic handling and reporting of breast cancer specimens pre- and post-neoadjuvant chemotherapy treatment; pathological issues. Pinder SE, Rakha E, Thompson AM, Shaaban A, on behalf of the Translational Subgroup of the NCRI Breast Clinical Studies Group. *Histopathology*. 2015 Jan 14. doi: 10.1111/his.12649.
20. Comparison of 3 different magnetic nanoparticle tracers in the performance of sentinel lymph node biopsy in an *in vivo* porcine model. Joost J Pouw, Muneer Ahmed, Bauke Anninga, Kimberley Schuurman, Sarah Pinder, Mieke van Hemelrijck, Quentin A Pankhurst, Michael Douek, Bennie ten Haken. *International Journal of Nanomedicine*. 2015 Feb 11;10:1235-43. doi: 10.2147/IJN.S76962.
21. Gabriella Honeth, Tommaso Schiavinotto, Federico Vaggi, Rebecca Marlow, Tokuwa Kanno, Ireneusz Shinomiya, Sara Lombardi, Bharath Buchupalli, Rosalind Graham, Joy Burchell, Anand D. Purushotham, Sarah E. Pinder, Attila Csikasz-Nagy, Gabriela Dontu. *Models Of Breast Morphogenesis Based on Localization of Stem Cells in the Developing Mammary Lobule*. *Stem Cell Reports* 2015. April 14 2015; 4 ; 699–711.

22. Genomic complexity profiling reveals that HORMAD1 overexpression contributes to homologous recombination deficiency in triple-negative breast cancers. Johnathan Watkins, Daniel Weekes, Vandna Shah, Patrycja Gazinska, Shalaka Joshi, Bhavna Sidhu, Cheryl Gillett, Sarah Pinder, Markus Mayrhofer, Anders Isaksson, Maggie CU Cheang, Hasan Mirza, Jessica Frankum, Christopher J Lord, Alan Ashworth, Shaveta Vinayak, James M Ford, Mellinda L Telli, Anita Grigoriadis, and Andrew Tutt. *Cancer Discovery*. 2015. DOI: 10.1158/2159-8290.CD-14-1092
23. Magnetic sentinel node and occult lesion localization in breast cancer (MagSNOLL Trial). Ahmed M, Anninga B, Goyal S, Young P, Pankhurst QA, Douek M; MagSNOLL Trialists Group. *Br J Surg*. 2015 May;102(6):646-52. doi: 10.1002/bjs.9800.
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