

Portfolio of papers that highlight how chemical exposures may be implicated in breast cancer

The Portfolio is a selection of peer-reviewed and published papers presenting the scientific case for chemical exposures playing a role in breast cancer. The portfolio includes two principal strands of compelling research. Firstly, large ongoing epidemiological studies and other epidemiological studies suggesting an association between certain chemical exposures and breast cancer that have not been contradicted by other studies. Secondly, papers illustrating demonstrable changes in mammary tissue due to low level in-utero exposures to certain chemicals in experimental animals. These papers will help take forward the discussion on the mechanism of action. The purpose of the portfolio is to provide a useful resource for clinicians, scientists, breast cancer charities, and other health professionals.

The portfolio has been compiled by Gwynne Lyons of CHEM Trust for HEAL and has been reviewed by several international experts in the field. If in your opinion, other studies should be included, please contact Gwynne Lyons at gwynne.lyons@chemtrust.org.uk.

The list of abstracts and full articles included in this portfolio:

*Brody J.G., Moysich K.B., Humblet O., Attfield K.R., Beehler G.P., Rudel R.A. (2007). Environmental Pollutants and Breast Cancer-
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<http://www.springerlink.com/content/vp12136434v26472/>], Breast Cancer Research and Treatment, 90(1):55-64.

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-*Engel L.S., Hill D.A., Hoppin J.A., Lubin J.H., Lynch C.F., Pierce J., Samanic C., Sandler D.P., Blair A., Alavanja M.C. (2005). [Pesticide use and breast cancer risk among farmers' wives in the agricultural health study-><http://aje.oxfordjournals.org/cgi/content/full/161/2/121>], American Journal of Epidemiology, 161(2): 121 - 135.

-*Fenton S.E. (2006). [Endocrine-disrupting compounds and mammary gland development: early exposure and later life consequences-><http://endo.endojournals.org/cgi/content/full/147/6/s18?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&author1=Fenton&fulltext=Endocrine+&searchid=1&FIRSTINDEX=0&sortspec=relevance&volume=147&resourcetype=HWCIT>], Endocrinology, 147(6 Suppl): S18 - 24.

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