

# Professor Fran Balkwill



## Research Interests

My main research interests are in Cancer Immunology and Ovarian Cancer.

My research group is focused on the links between cancer and inflammation, being especially interested in translating knowledge of cancer biology into new biological treatments for cancer, and in the role that inflammatory cytokines play in cancer promotion.

My research group focuses on:

- The tumour microenvironment
- Inflammatory cytokines and chemokines.
- Ovarian cancer with a focus on high grade serous and clear cell subtypes.
- Public engagement with biomedical science.

## Major Funders

- Cancer Research UK
- European Research Council

## Contact Details

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# Professor Fran Balkwill

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## Recent Publications

- Adaptive upregulation of EGFR limits attenuation of tumour growth by neutralising IL-6 antibodies with implications for combined therapy in ovarian cancer. Milagre CS, Gopinathan G, Everitt G, Thompson RG, Kulbe H, Zhong H, Hollingsworth RE, Grose R, Bowtell DD, Hochhauser D, **Balkwill FR**. *Cancer Res*. 2015 Feb 10. pii: canres.1801.2014. [Epub ahead of print]
- The Peritoneal Tumour Microenvironment of High-Grade Serous Ovarian Cancer. Leinster DA, Kulbe H, Everitt G, Thompson RG, Perretti M, Gavins F, Cooper D, Gould D, Ennis DP, Lockley M, McNeish IA, Nourshargh S, **Balkwill FR**. *J Pathol*. 2012 Jun; 227 (2):136-45.
- A dynamic inflammatory cytokine network in the human ovarian cancer microenvironment. Kulbe H, Chakravarty P, Leinster DA, Charles KA, Kwong J, Thompson RG, Coward JI, Schioppa T, Robinson SC, Gallagher WM, Galletta L, Salako MA, Smyth JF, Hagemann T, Brennan DJ, Bowtell DD, **Balkwill FR**. *Cancer Res*. 2012 Jan 1; 72(1):66-75
- B regulatory cells and the tumor-promoting actions of TNF- $\alpha$  during squamous carcinogenesis. Schioppa T, Moore R, Thompson RG, Rosser EC, Kulbe H, Nedospasov S, Mauri C, Coussens LM, **Balkwill FR**. *Proc Natl Acad Sci USA*. 2011 Jun 28;108(26):10662-7.
- Interleukin-6 as a therapeutic target in human ovarian cancer. Coward J, Kulbe H, Chakravarty P, Leader D, Vassileva V, Leinster DA, Thompson R, Schioppa T, Nemeth J, Vermeulen J, Singh N, Avril N, Cummings J, Rexhepaj E, Jirström K, Gallagher WM, Brennan DJ, McNeish IA, **Balkwill FR**. *Clin Cancer Res*. 2011 Sep 15;17(18):6083-96.

