

# Dr Sarah Lauder PhD BSc

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## About

Sarah Lauder is a postdoctoral Research Fellow working within the Research group of Professor Paul Moss.

## Qualifications

- PhD in Medicine, Cardiff University, 2007
- BSc (Hons) in Applied Biology, Cardiff University, 2002

## Research

Viral Immunology

## Publications

Lauder SN, Taylor PR, Clark SR et al. Paracetamol reduces the influenza-induced immunopathology in a mouse model of infection without compromising virus clearance or the generation of protective immunity. *Thorax* 2011, Feb 10 (epub ahead of print)

Hindley JP, Ferreira C, Jones E, Lauder SN, Ladell K, Wynn KK, Betts GJ, Singh Y, Price DA, Godkin AJ, Dyson J, Gallimore A. Analysis of the T cell repertoires of tumour-infiltrating conventional and regulatory T cells reveals no evidence for conversion in carcinogen-induced tumours. *Cancer Res.* 2011 Feb 1;71(3):736-46

Page CE, Smale S, Carty SM, Amos N, Lauder SN, Goodfellow RM, Richards PJ, Jones SA, Topley N, Williams AS. Interferon-gamma inhibits interleukin-1beta -induced matrix metalloproteinase production by synovial fibroblasts and protects articular cartilage in early arthritis. *Arthritis Res Ther.* 2010;12(2):R49

Gallagher KM, Lauder S, Rees IW, Gallimore AM, Godkin AJ. Type I Interferon (IFN alpha) acts directly on human memory CD4+ T cells altering their response to antigen. *J Immunol.* 2009 Sep 1;183(5):2915-20

Longhi MP, Wright K, Lauder SN, Nowell MA, Jones GW, Godkin AJ, Jones SA, Gallimore AM. Interleukin-6 is crucial for recall of influenza-specific memory CD4 T cells. *PLoS Pathog.* 2008 Feb 29;4(2)

Bondeson J, Lauder S, Wainwright S, Amos N, Evans A, Hughes C, Feldmann M, Caterson B. Adenoviral gene transfer of the endogenous inhibitor IkappaBalpha into human osteoarthritis synovial fibroblasts demonstrates that several matrix metalloproteinases and aggrecanases are nuclear factor-kappaB dependent. *J Rheumatol.* 2007 Mar;34(3):523-33

Lauder SN, Carty SM, Carpenter CE, Hill RJ, Talamas F, Bondeson J, Brennan P, Williams AS. Interleukin-1beta induced activation of nuclear factor-kappaB can be inhibited by novel pharmacological agents in osteoarthritis. *Rheumatology (Oxford)*. 2007 May;46(5):752-8

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