

# Dr Katuscia Bianchi

Barts  
Cancer Institute  
Queen Mary University of London



## Research Interests

My main interest is to understand the contribution of cellular metabolism to cancer cell survival and proliferation as a means of developing new therapeutic strategies, in particular for the treatment of breast cancer.

I am also investigating the mechanism of inflammation-driven, malignant transformation. My research aims to investigate whether inflammation can induce rewiring of cellular metabolism, fostering malignant transformation.

Ultimately, the aim is to design a better combinational therapy to limit inflammation-driven malignant transformation, possibly combining anti-inflammatory drugs with drugs targeting different metabolic pathways.

## Major Funders

- Early Career Researcher, Barts Cancer Institute
- Cancer Research UK

## Contact Details

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## Recent Publications

- Tenev T, **Bianchi K\***, Darding M, Broemer M, Langlais C, Wallberg F, Zachariou A, Lopez J, Macfarlane M, Cain K, Meier P. The Ripoptosome, a signaling platform that assembles in response to genotoxic stress and loss of IAPs. *Mol Cell* (2011) 43 (3): 432-48 \*co-author
- **Bianchi K**, Meier P, A tangled web of ubiquitin chains: breaking news in TNF-R1 signaling. *Mol Cell*. (2009) Dec 11;36(5):736-42. Review.
- Szabadkai G, **Bianchi K\***, Varnai P, De Stefani D, Wieckowski MR, Cavagna D, Nagy AI, Balla T, Rizzuto R. Chaperone-mediated coupling of endoplasmic reticulum and mitochondrial  $Ca^{2+}$  channels. *J Cell Biol*. (2006) Dec 18;175(6):901-11 \*co-author



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