

Professor Nick Lemoine

Barts
Cancer Institute
Queen Mary University of London



Research Interests

My main research areas are in Pancreatic Cancer Genomics & Bioinformatics, Virotherapy, Vaccination and Clinical Trials.

My research group focuses on:

- Genomics and molecular pathology of pancreatic cancer, identifying biomarkers for its detection and treatment.
- Development of novel platforms and algorithms for the bioinformatic interrogation and interpretation of very large, multidimensional datasets.
- Oncolytic virotherapy, defining the role of the immune system in modulating viral replication and tumour cell destruction.
- I am also the Lead for Translational Research in the 40-strong trials team who support over 100 clinical trials open at Barts.

Major Funders

- Cancer Research UK
- Department of Health
- Pancreatic Cancer Research Fund
- Pancreatic Cancer UK
- Orchid Charity

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Barts and The London
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Recent Publications

- Spurrell E, Gangeswaran R, Wang P, Cao F, Gao D, Feng B, Wold W, Tollefson A, **Lemoine NR**, Wang Y. STAT1 interaction with E3-14.7K in monocytes affects the efficacy of oncolytic adenovirus. *J Virol* 2014; 88: 2291-2300.
- Crnogorac-Jurcevic T, Chelala C, Barry S, Harada T, Bhakta V, Lattimore S, Jurcevic S, Bronner M, **Lemoine NR**, Brentnall TA. Molecular analysis of precursor lesions in familial pancreatic cancer. *PLoS One* 2013; 8: e54830.
- Hiley CT, Chard LS, Gangeswaran R, Tysome JR, Briat **Lemoine NR**, Wang Y. Vascular endothelial growth factor-A promotes Vaccinia virus entry into host cells via activation of the Akt pathway. *J Virol* 2013; 87: 2781-2790.
- Tysome JR, Li X, Wang S, Wang P, Gao D, Du P, Chen D, Gangeswaran R, Chard L, Yuan M, Alusi G, **Lemoine NR**, Wang Y. A novel therapeutic regime to eradicate established solid tumors with an effective induction of tumor-specific immunity. *Clin Cancer Res* 2012; 18: 6679-6689.
- AGR2 is a Novel Surface Antigen that Promotes the Dissemination of Pancreatic Cancer Cells through Regulation of Cathepsins B and D. Dumartin L, Whiteman HJ, Weeks ME, Hariharan D, Dmitrovic B, Iacobuzio-Donahue CA, Brentnall TA, Bronner MP, Feakins RM, Timms JF, Brennan C, **Lemoine NR**, Crnogorac-Jurcevic T. *Cancer Res* 2011; 71: 7091-7102.