University of Birmingham

Dr Gillian Lowe

Honorary Clinical Research Fellow

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About

Dr Lowe is a hospital doctor who specialises in haematology (blood disorders) and is interested in problems with bleeding and thrombosis.

Qualifications

- MA MB BChir
- MRCP
- FRCPath

Biography

Dr Lowe trained in Cambridge, Manchester and Birmingham and recently undertook a PhD looking at patients with mild bleeding disorders within the GAPP project.

Teaching

Teaches 3rd year medical students during general medicine modules and is involved in research orientated SSCs. Examines MBChB third year OSCE, and successfully completed the "Foundation of Learning and Teaching in Higher Education" course in 2013.

Doctoral research

PhD title Phenotyping and genotyping of platelet defects in patient populations enriched in bleeding.

Publications

Dovlatova N, Lordkipanidzé M, Lowe GC, Dawood B, May J, Heptinstall S, Watson SP and Fox SC on behalf of the UK GAPP Study Group (2014) Evaluation of a whole blood remote platelet function test for the diagnosis of mild bleeding disorders. *Journal of Thrombosis and Haemostasis* [Accepted for publication 23rd February 2014]

Patel YM, Lordkipanidzé M, Lowe GC, Nisar SP, Garner K, Stockley J, Daly ME, Mitchell M, Watson SP, Austin SK and Mundell SJ (2014) A novel mutation in the P2Y12 receptor and a function-reducing polymorphism in PAR-1 in a patient with chronic bleeding. *Journal of Thrombosis and Haemostasis* [Accepted for publication 27th January 2014]

Daly ME, Leo VC, Lowe GC, Watson SP and Morgan NV (2014) **What is the role of genetic testing in the investigation of patients with suspected platelet function disorders (http://www.ncbi.nlm.nih.gov/pubmed/?term=What+is+the+role+of+genetic+testing+in+the+investigation+of+patients+with+suspected+platelet+function+disorders)** ? *British Journal of Haematology* [Epub ahead of print]

Lordkipanidzé M, Lowe GC, Kirkby NS, Chan MV, Lundberg MH, Morgan NV, Bem D, Nisar SP, Leo VC, Jones ML, Mundell SJ, Daly ME, Mumford AD, Warner TD and Watson SP (2014) **Characterization of multiple platelet activation pathways in patients with bleeding as a high-throughput screening option: use of 96-well Optimul assay (http://www.ncbi.nlm.nih.gov/pubmed/?term=Characterization+of+multiple+platelet+activation+pathways+in+patients+with+bleeding+as+a+high-throughput+screening+option%3A+use+of+96-well+Optimul+assay)** . *Blood* 123(8):e11-22

Nisar SP, Lordkipanidze M, Jones ML, Dawood BB, Murden S, Cunningham MR, Mumford AD, Wilde JT, Watson SP, Mundell SJ and Lowe GC on behalf of the UK GAPP study group (2013) **A novel thromboxane A2 receptor N42S variant results in reduced surface expression and platelet dysfunction (http://www.ncbi.nlm.nih.gov/pubmed/?term=A+novel+thromboxane+A2+receptor+N42S+variant+results+in+reduced+surface+expression+and+platelet+dysfunction)** . *Thrombosis and Haemostasis* 111(5) [Epub ahead of print]

Stockley J*, Morgan NV*, Bem D, Lowe GC, Lordkipanidzé M, Dawood B, Simpson MA, Macfarlane K, Horner K, Leo VC, Talks K, Motwani J, Wilde JT, Collins PW, Makris M, Watson SP and Daly ME (2013) **Enrichment of FLI1 and RUNX1 mutations in families with excessive bleeding and platelet dense granule secretion defects (http://www.ncbi.nlm.nih.gov/pubmed/?term=Enrichment+of+FLI1+and+RUNX1+mutations+in+families+with+excessive+bleeding+and+platelet+dense+granule+secretion+defects)** . *Blood* 122(25):4090-3 * joint authors

Moss RC, Lowe GC, Frampton CA and Revell P (2013) A nurse led randomised controlled trial of a structured educational programme for patients starting warfarin therapy. *Journal of Research in Nursing* [Accepted for publication 12th August 2013]

Lowe GC, Lordkipanidzé M and Watson SP on behalf of the UK GAPP study group (2013) **Utility of the ISTH Bleeding Assessment Tool in predicting platelet**

defects in participants with suspected inherited platelet function disorders (http://www.ncbi.nlm.nih.gov/pubmed/?term=Utility+of+the+ISTH+Bleeding+Assessment+Tool+in+predicting+platelet+defects+in+participants+with+suspected+inherited+platelet+function+disorders) . *Journal of Thrombosis and Haemostasis* 11(9):1663-8

Lordkipanidzé M*, Lowe GC* and Watson SP on behalf of the UK GAPP study group (2103) **Simultaneous measurement of ATP release and LTA does not potentiate platelet aggregation to epinephrine. (http://www.ncbi.nlm.nih.gov/pubmed/?term=Simultaneous+measurement+of+ATP+release+and+LTA+does+not+potentiate+platelet+aggregation+to+epinephrine.)** *Thrombosis and Haemostasis* 110(1):199-201 (* These authors contributed equally to this work and share first authorship)

Watson SP, Lowe GC, Lordkipanidzé M and Morgan NV (2013) **Genotyping and phenotyping of platelet function disorders (http://www.ncbi.nlm.nih.gov/pubmed/23516995)** . *Journal of Thrombosis and Haemostasis* 11(Suppl 1):351-63