



## Scientific Meeting

**30th October 2015**

NHSBT Filton, Bristol, BS34 7QH | £45.00 +VAT

***Erythropoiesis*** - regulation and cell lines | ***Malaria*** - adhesion and invasion  
***Red Cells*** - properties in stress and disease



**British Blood  
Transfusion Society**



**Register at**  
**[www.bbts.org.uk/events](http://www.bbts.org.uk/events)**

Registrants wishing to present a poster should submit an abstract (*of no more than 250 words*) to **[lesley.bruce@nhsbt.nhs.uk](mailto:lesley.bruce@nhsbt.nhs.uk)**.

Deadline for abstract submissions: 28/08/15

# Red Cell

## SPECIAL INTEREST GROUP



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TIME	SESSION	SPEAKER
9:00	<b>Registration Opens</b>	
	<b>Erythropoiesis - regulation and cell lines</b>	
10:30	Transcriptomic analysis of differentiating erythroblasts	<b>Adam Sidaway</b> <i>School of Biochemistry, University of Bristol; Bristol Institute for Transfusion Sciences, NHSBT Filton</i>
11:00	Suppression of erythropoiesis by dietary nitrate	<b>Tom Ashmore</b> <i>Department of Physiology, Development, &amp; Neuroscience and Department of Biochemistry, University of Cambridge</i>
11:30	Human immortalised cell lines generated from adult erythroid cells	<b>Jan Frayne</b> <i>School of Biochemistry, University of Bristol</i>
12:00	<b>AGM</b> Election of committee members. Proposals for the future development of the Red Cell SIG.	
12:15	Lunch & Poster Viewing	
	<b>Malaria - adhesion and invasion</b>	
13:15	RIFINs are adhesins implicated in severe Plasmodium falciparum malaria	<b>Mats Wahlgren</b> <i>Center for Infectious Disease Research, Department of Microbiology, Tumor &amp; Cell Biology, Karolinska Institutet, Stockholm</i>
13:45	Phosphoproteomics of erythrocyte proteins in response to malaria parasite invasion.	<b>Jake Baum</b> <i>Department of Life Sciences, Imperial College London</i>
14:15	Proteomic profiling of the red blood cell surface in health and disease	<b>Michael Weekes</b> <i>Cambridge Institute for Medical Research, University of Cambridge</i>
14:45	Tea	
	<b>Red Cells - properties in stress and disease</b>	
15:00	Oxidative Stress and Red Cell Physical Properties: Single Cell Studies	<b>Peter G Petrov</b> <i>Biomedical Physics Group, School of Physics, University of Exeter</i>
15:30	Morphological and other changes in red blood cells accompanying chronic, inflammatory diseases	<b>Douglas Kell, Ethersia Pretorius</b> <i>School of Chemistry, and Manchester Institute of Biotechnology, University of Manchester; Department of Physiology, Faculty of Health Sciences, University of Pretoria, South Africa</i>
16:00	Uniparental disomy in sickle cell disease	<b>Mel Proven</b> <i>National Haemoglobinopathy Reference Laboratory, John Radcliffe Hospital, Oxford</i>

Register online at [www.bbts.org.uk/events](http://www.bbts.org.uk/events)