EHA Scientific Working Groups – Red Cells and Iron
Annual Report

Chair: June 2011 to present – Professor Swee Lay Thein (King’s College London, UK)

Objectives:
To highlight areas of research and scientific breakthroughs in red blood haematology and iron that have not been a focus of attention in any other part of the EHA meeting. Topics are selected after consultation with members of the group and any other persons with a special interest in red blood cell haematology.

Frequency of meetings:
The SWG meets once a year, at the annual EHA Congress on the Thursday evening prior to the start of the main Congress. It is usually followed by an informal evening meal at one of the local restaurants by those who can attend.

Programme for 2012: Thursday 14 June 2012, 18.00-20.00 – Room D202
Chair: S L Thein

18:00  GDF15 and regulation of iron / hepcidin
Martina Muckenthaler (University Hospital of Heidelberg, Germany)

18:40  Adhesion of red blood cells and vaso-occlusive crises in sickle cell disease
Caroline Le Van Kim (Inserm U665, Université Paris, France)

19:20  Modern management of paroxysmal nocturnal haemoglobinuria
Dupe Elebute (King’s College Hospital NHS Foundation Trust, London, UK)

19:55  Conclusions

Attendance – The estimated number of attendees was 69 (see attached with emails). There was much discussion and also suggestions for topics for 2012 SWG meetings.

Programme for 2013:
1. Dr Stephan Menzel (Molecular haematology, King’s College London School of Medicine, London, UK)
   Cellular phenomena of fetal haemoglobin persistence in adults

2. Professor Achille Iolascon (Professor of Medical Genetics, Department of Biochemistry and Medical Biotechnologies, University Federico II of Naples)
   Dehydrated hereditary stomatocytosis

3. Professor Lucia de Franceschi (Associated Professor of Internal Medicine, Department of Medicine, University of Verona, Italy)
   Resveratrol and pathological erythropoiesis

4. Dr Momin Ahmed (Department of Haematological Medicine, King’s College London, London, UK)
   Update on Genetics of Congenital Dyserythropoietic Anaemias

Associated meetings:
The SWG is already affiliated with the ESH and also ENERCA (European Network for Rare and Congenital Anaemias) with a large number of members involved in
the scientific workshops on ‘Innovative therapies for red cell and iron-related disorders’ held in Cascais, Portugal (16-18 April 2010), as well as ESH-ENERCA Haemoglobin Disorders Conference (Brussels, Belgium, 1-2 April 2011)

We plan to have another SWG workshop in 2014; the program is being discussed. Several members are also involved in EU-FP7 THALAMOSS grant – Co-ordinator Professor Roberto Gambari, in Ferrara Italy

Publications from 2011

Boursier G, Trouillier S, Giansily Blaizot P, Igual H, Schved JF and Aguilar Martinez P. A new high oxygen affinity variant (Hb Aurillac) [β141Leu>Val (HBB: c.424C>G)], one of the two mutations contained in Hb Kochi, reveals clinical significance. *Hemoglobin*, in press


**Beaumont, C (Downloaded from PubMed)**


**Camaschella, C**

(selected publications within the SWG 2011-2012)


**Cappellini, (Downloaded from internet)**


Cardiac iron removal and functional cardiac improvement by different iron chelation regimens in thalassemia major patients. Cassinerio E, Roghi A, Pedrotti


de Montalembert, M


Determination of the best method to estimate glomerular filtration rate from serum creatinine in adult patients with sickle cell disease: a prospective observational cohort study. **BMC Nephrol** 2012;13:83

**De Montalembert.** To SWiTCH or not to SWiTCH? **Blood** 2012;119:3870-1.


**Le Van Kim C**


**Team of Le Van Kim C**


Rees, D (2012 only)


Benton CM, Couchman L, Marsden JT, Rees DC, Moniz C, Lim CK. Direct and simultaneous quantitation of 5-aminolaevulinic acid and porphobilinogen in human serum or plasma by hydrophilic interaction liquid chromatography-


Ma YL, Rees DC, Gibson JS, Ellory JC. The conductance of red blood cells from sickle cell patients: ion selectivity and inhibitors. J Physiol. 2012 May 1;590(Pt 9):2095-105


Ribeiro, M. L.


Thein, S L (2011-2012)

Original peer-reviewed publications


Other publications


Hemoglobin Nov 2011; 35 (5-6) 450-62. PMID: 21932936

Thein, S.L. Genetic modifiers of sickle cell disease. Hemoglobin Nov 2011; 35 (5-6) 589-606. PMID: 21967611

Thein, S.L. Milestones in the history of hemoglobin research (in memory of Titus Huisman).


Haematologists – email list – 20 June 2012

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