



ISBT Working Party on Platelet Immunobiology

Asian/Pacific Regional Meeting

November 17th, 2019, 12 – 16.30 pm

Bangkok Convention Centre, Lotus Suite 12

Bangkok, Thailand

Attendees:

Australia: David Mahon (Brisbane), Denise Herbert (Melbourne); China: Yuan Shao (Guangzhou), Jing Liu (Guangzhou); Germany: Sentot Santoso (Giessen), Behnaz Bayat (Giessen), Ulrich J. Sachs (Giessen); Japan: Mika Matsuhasi (Toyko), Daisuke Takahashi (Toyko), Junko Nakamura (Tokyo), Moe Ando (Tokyo), Rie Ondodera (Hiroshima), Emi Kurita (Hiroshima), Hitoshi Okazaki (Tokyo), Nelson H. Tsuno (Tokyo); Malaysia: Shannaz Irwani Dabri (Sabah); Singapore: Ai Leen Ang (Singapore); Thailand: Amornat Romphruk (Bangkok), Roongaroon Phuangtham (Bangkok), Yupaporn Sudrilas (Bangkok), Piyapong Simtong (Bangkok), Pyae Mon Kyan (Bangkok), Chalunda Hongmaroeng (Bangkok).

Minutes:

#	Summary	Actions
1.	The business meeting started at noon with a welcome from the chairmen.	-
2.	<p><u>Moe Ando</u> (Tokyo, Japan) gave an overview of the molecular basis of CD36 deficiencies in Asia. During the following discussion, the laboratory from Guangzhou (China) expressed its interest in an exchange of currently available monoclonal antibodies (moab) to be used for both, <i>phenotyping</i> of blood cells in order to detect CD36 deficiency and <i>serotyping</i> of human sera for the presence of anti-CD36 by MAIPA or MACE. Brisbane (Australia), Melbourne (Australia) and Singapore are interested in participating in such a workshop.</p> <p>Discussion about the inclusion of CD36 in the HPA nomenclature. All laboratory representatives agreed that CD36 should be included. It is the most relevant antigen in Asia causing FNAIT.</p>	<p><u>Ulrich</u> and <u>Nelson</u> to advertise the moab exchange within ISBT and to organize the exchange. Available moabs will be send to all participants who shall use them all with a reasonable number of their stored human anti-CD36 sera.</p> <p><u>Ulrich</u> to formally apply for CD36 to become HPA-36.</p>
3.	<p><u>Ai Leen Ang</u> (Singapore) described her typing approach for CD36 deficiency by using PRP for CD36 on platelets and a whole blood protocol for CD36 on monocytes, according to a suggestion made by this Working Party previously. She also reported that her laboratory felt that an external quality assessment (EQA) should be established.</p> <p>During the following discussion, none of the laboratory representatives expressed interest in an EQA scheme. However, Brisbane (Australia) agreed to participate in an inter-laboratory exchange with Singapore.</p> <p>The discussion revealed no clear opinion on whether a whole blood</p>	<p><u>Ulrich</u> and <u>Nelson</u> to establish a recommendation on CD36 phenotyping and “minimum requirements for HPA diagnostics”.</p>

	protocol for both cell types would be useful, and also no clear opinion on whether monocytes need to be typed at all in immunized individuals.	
4.	<u>Ulrich J. Sachs</u> (Giessen, Germany) gave an overview of drug-induced thrombocytopenia (DITP), excluding HIT, and the diagnostic strategies. Only very few laboratories perform DITP testing. No EQA is available, and the majority of the laboratories represented felt that DITP was too infrequent to establish an EQA scheme.	-
5.	<u>Daisuke Takahashi</u> (Toyko, Japan) presented his data on platelet phagocytosis in an adherent monocyte-based assay, demonstrating that the presence of IgG2 and IgG4 inhibits platelet phagocytosis induced by HLA antibodies. The studies were not deep enough to demonstrate whether the relative phagocytosis activity by different HLA antibodies could indicate if or of if not HLA antibodies affect FNAIT severity. He also showed that anti-HPA-5b antibodies are less efficient than anti-HPA-1a in inducing phagocytosis.	<u>Ulrich</u> to contact Heidi Tiller with regard to her HLA-FNAIT registry. Well-defined sera could be studied in the phagocytosis model in Tokyo.
6.	<u>Hitoshi Okazaki</u> (Toyko, Japan) presented the results from a survey that was conducted by the Working Party among the Asian platelet laboratories. The major fields of interest were: CD36 phenotyping, CD36 genotyping, platelet crossmatch strategies.	<u>Nelson</u> to prepare a manuscript for ISBT Science Series.
7.	<u>Nelson H. Tsuno</u> (Tokyo, Japan) summarized the main aspects and discussion points from the meeting. He explained that the Working Party has established an Organizing Committee to take care of an Asian workshop, i.e. the distribution of defined sera for antibody detection in the Asian-Pacific region. It was further discussed that many of the good data that were presented today are either unpublished or not published in English. A mentoring service for publications was suggested, the Working Party will try to install such a programme for laboratories from Asia. It was also discussed whether a (moderated) interactive website could be a helpful tool to solve everyday problems in platelet laboratories. Since webpages are not often attended and moderating them is time consuming, it was concluded that a mailing list should be initiated instead.	<u>Nelson</u> and <u>Ulrich</u> to contact the Organizing Committee. <u>Ulrich</u> to suggest a procedure for the mentoring programme. <u>Nelson</u> to initiate a mailing list.
8.	Please note that the next European Meeting on Platelet and Granulocyte Immunobiology (ESPGI) will be organized by Dr. Lilach Bonstein, Haifa, Israel, and will be held from September 8-11, 2020 in Herzliya (15 km north of Tel Aviv) in Israel.	-
9.	The chairmen closed the meeting at 16.30 pm.	-

Minute Taker: Ulrich J. Sachs



Mailing List:

David Mahon (Australia): DMahon@redcrossblood.org.au
Denise Herbert (Australia): DHerbert@redcrossblood.org.au
John NG (Hong Kong Red Cross Blood Transfusion Service): NCY236@ha.org.hk
Wai-Chiu TSOI (Head, Laboratory Department, Hong Kong Red Cross Blood Transfusion Service):
tsoiwc@ha.org.hk
Tony Yan (Queen Mary hospital, Hong Kong): yankf@ha.org.hk
Ai Leen Ang (Singapore, HSA): ANG_Ai_Leen@hsa.gov.sg
May Ling Lai (Singapore, HSA): LAI_May_Ling@hsa.gov.sg
Prof. Kyoung-Un Park (South Korea, Seoul University): m91w95pf@snu.ac.kr
Yun Ji HONG (South Korea, Seoul University): aeiea@snu.ac.kr
Pawinee Kupatawintu (Thai, Thai Red Cross): pawinee.k@redcross.or.th
Mr. Atthapol Srisuddee (Thai, Thai Red Cross, Head of HLA and Platelet Laboratory unit):
atthapol.s@redcross.or.th
Mr. Thanon Inornwongsakul (Thai, Thai Red Cross, Medical Technologist, HLA and Platelet Laboratory unit):
guynevercry@hotmail.com
Chalunda Kongmaroeng (Thai, Thai Faculty of Medical Technology Huachiewchalermprakiet University):
chalunda.hcu@gmail.com
Piyapong Simtong (Thai, Khon Kaen University): piyapongsimtong@gmail.com
Roongaroon Phuangtham (Thai, Khon Kaen University): phuangthamr@gmail.com
Duangtawan Thammanichanon (Thai, Mahidol University): duangtawan.tha@mahidol.ac.th;
duangtawanth@gmail.com
Jenwei Chen (Taiwan, Taiwan Blood Services Foundation): chen@blood.org.tw
Nurul Munira Yahya (Malaysia, National Blood Centre): nurul.munira@moh.gov.my
Nang Pah Nik Ibrahim (Malaysia, National Blood Centre): nangpah@moh.gov.my; nangpah@yahoo.com
Norliza Ibrahim (Malaysia, National Blood Centre): noibkl@gmail.com
Lee Chin Jian (Malaysia, National Blood Centre): chinjian_88@yahoo.com
Selvamani Anbumani (Malaysia, National Blood Centre): selva_sj@hotmail.com
Dr Zalina Mahmood (Malaysia, Hospital Raja Perempuan Zainab 2): dr.zalina@moh.gov.my;
hafizah80@yahoo.com
Dr N. Veera Sekaran V. Nadarajan (Malaysia, University of Malaya): veera@um.edu.my
Dr Shahnaz Irwani Sabri (Malaysia, Queen Elizabeth Hospital): shahnadz@yahoo.com
Dr Teguh Triyono (Indonesia, University Gajah Mada, Yogyakarta): pakteguhtri@yahoo.com
Kadek Mulyantari (Indonesia, University Udayana, Bali): melyan79@yahoo.co.id
Dr Anna Mira Lubis (Indonesia, Cipto Mangunkusumo Hospital-University, Jakarta): mirafanani@gmail.com
Elly Yanah Arwanih (Indonesia, Cipto Mangunkusumo Hospital-University, Jakarta): earwanih@gmail.com
Dr Andhika Rachman (Indonesia, Cipto Mangunkusumo Hospital-University, Jakarta):
andhika_rachman@yahoo.com
Ni Ken Ritchie (Indonesia, Indonesian Red Cross, Jakarta): ni.ken.ritchie@gmail.com
Dr Yongshui Fu (China, Guangzhou Blood Center): fuyongshui@sina.com
Dr Xin Ye (China, Guangzhou Blood Center): huang_yexin@qq.com
Wenjie Xia (China, Guangzhou Blood Center): wendy060428leon@126.com
Daisuke Takahashi (Japan, The Japanese Red Cross Central Research Institute): d-takahashi@jrc.or.jp
Moe Ando (Japan, The Japanese Red Cross Kanto-Koshinetsu Block Blood Center): m-ando@ktxs.bbc.jrc.or.jp
Mika Matsuhashi (Japan, The Japanese Red Cross Kanto-Koshinetsu Block Blood Center): m-matsuhashi@ktxs.bbc.jrc.or.jp
Junko Nakamura (Japan, The University of Tokyo): iino-lab@h.u-tokyo.ac.jp
Hitoshi Okazaki (Japan, The University of Tokyo): okazaki-h-tky@umin.ac.jp
Nelson H Tsuno (Japan, The Japanese Red Cross Kanto-Koshinetsu Block Blood Center): h-tsunoo@ktxs.bbc.jrc.or.jp
Ulrich J Sachs (Germany, Giessen University): ulrich.sachs@immunologie.med.uni-giessen.de