24th Regional Congress of the ISBT

December 1 - 4, 2013
Kuala Lumpur, Malaysia

Final Programme

In conjunction with the 6th Malaysian National Transfusion Medicine Conference by Malaysian Blood Transfusion Society
Procleix® Solutions | IMPROVING SAFETY AND OPERATIONAL EFFICIENCY

Procleix® NAT Solutions
By Gen-Probe and Novartis Diagnostics

Helping you protect transfusion patients

As you work to ensure patients and healthcare providers have access to blood and blood-derived products they can trust, Novartis Diagnostics is proud to support you with the most advanced NAT blood screening automation available today.

In addition to our powerful and efficient Procleix® Tigris® System, we are launching our smart, simple and versatile Procleix® Panther® System. Come see how our systems and assays can help you achieve your desired levels of blood safety and operational efficiency in individual donation NAT screening.

Learn more at ISBT Booth #410 today or visit novartisdiagnostics.com.

Power meets efficiency

24th Regional Congress of the International Society of Blood Transfusion, in conjunction with the 6th Malaysian National Transfusion Medicine Conference by Malaysian Blood Transfusion Society

Kuala Lumpur, Malaysia
December 1 - 4, 2013
Corporate Partners
ISBT is pleased to acknowledge the following Corporate Partners

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The ISBT and the Local Organising Committee of the 24th Regional Congress of the ISBT, in conjunction with the 6th Malaysian National Transfusion Medicine Conference by Malaysian Blood Transfusion Society, are grateful that the following companies are willing to support the congress:

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Word of Welcome

24th Regional Congress of the ISBT – Kuala Lumpur, 2013

Dear Friends & Colleagues,

It is indeed a pleasure for me to welcome you to the 24th Regional Congress of the ISBT to be held in Kuala Lumpur, the capital of Malaysia on 1-4 December 2013. It is held in conjunction with the 6th National Transfusion Medicine Conference.

This is the first time that the ISBT Congress has come to Malaysia and the Malaysian Blood Transfusion Society as the host welcomes you to Kuala Lumpur. Martin Olsson and the local scientific committee have prepared a programme that will be of interest to everyone working in this area of medicine, be it in blood establishment, hospital, laboratory or at the patient’s bedside. It focusses on practical, technical, scientific, research and clinical aspect of Transfusion Medicine. We are happy that internationally renowned speakers will participate.

Transfusion Medicine has grown by leaps and bounds in the last decade. Asia has seen tremendous development in the provision of blood services. With it come improvements in organisation, service delivery, resources as well as technology, science and research. This congress provides the opportunity to share and learn.

It is held at the Kuala Lumpur Convention Centre, a state of the art venue, in the heart of the city within walking distance to numerous hotels.
It will also give you the opportunity for you to sample our Malaysian food, culture and hospitality.

Thank you for joining us in Kuala Lumpur.

Yasmin Ayob
Chairman, Local Organising Committee
President, Malaysian Blood Transfusion Society
Dear Colleagues,

I am delighted to welcome you to the 24th Regional Congress of the ISBT in Kuala Lumpur (KL), Malaysia. KL is a vibrant, busy and modern Asian city comprising a melting pot of cultures with Malay, Chinese and Indian influences combining to provide a great travel and culinary experience. This combined with the excellent shopping makes it a tremendous opportunity to be introduced to the real Asian experience. The weather in December will be warm and sultry – an ideal opportunity to escape the cold of Europe and North America.

This will be the first time that ISBT has held a congress in Malaysia. KL is well connected to Asia and the wider world and the congress will provide a unique environment to meet colleagues from around the world, to exchange experiences and most importantly to create memories that will help change the way we think about and practice modern transfusion.

Dato’ Dr Yasmin Ayob, chair of the local organising committee and Dato’ Dr Faraizah ‘ Abd. Karim chair of the scientific committee, and their teams have developed an exciting scientific programme with the support of Martin Olsson, Scientific Director of the Society. This aims to be both practical and clinically relevant for all involved in the practice of transfusion medicine and science.

Organising a congress is a complex logistical challenge. Success requires input and support from a range of individuals and organisations. Particular thanks go to the local organising committee and to the professional congress organiser, MCI-Eurocongress v.o.f. The support and participation of industry is also a key to success and I would like to take this opportunity to thank all of the sponsors and exhibitors and particularly the ISBT Corporate Partners whose on-going support is crucial to the success of the society. Lastly special thanks and welcome to all of the delegates.

I know that many will travel from distant parts of the world to be part of the event. You are assured of a warm welcome and great Malaysian hospitality.

I look forward to meeting you all in Kuala Lumpur – the heart of Asia.

Peter Flanagan
President, ISBT
Future ISBT Congresses

- 33rd International Congress of the ISBT, Seoul, South-Korea, May 31 - June 5, 2014
- 25th Regional Congress of the ISBT, London, United Kingdom, June 28 - July 2, 2015
- 34th International Congress of the ISBT, Dubai, United Arab Emirates, September, 2016

Website

Up-to-date information regarding the ISBT Congress programmes is available on the ISBT website: www.isbtweb.org
Committees

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Vice President: Diana Teo (2012 - 2016)
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Rosalind Choo Poh Yoke
Dato’ Roshida Hassan
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Zuliza Mohamed
Rozi Hanisa Musa
Sally Lam Tsuey Peng
Nurul Munira Yahya
Vimala Raffael
Karimah Hanem Embong
Ainisah Md. Ariffin

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Wooi Seong
Diana Teo
Peter Flanagan
Veera Sekaran Nadarajan
Mickey Koh
Abd Hamid Bon
Dato’ Yasmin Ayob

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Geoff Daniels (United Kingdom)
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Jo Wiersum-Osselton (Netherlands)
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Congress Organisers

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Housing E: isbtmalaysia-hotels@mci-group.com

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50088 Kuala Lumpur
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F +60 (3) 2333 2882
W: www.klccconventioncentre.com
About the ISBT

ISBT is an international society with members in 101 countries. Everyone involved in any aspect of transfusion medicine and related disciplines can become a member whether working in blood services, hospitals, research institutes, universities or industry. All professionals within the field of transfusion medicine are represented.

The Aims of ISBT are:
- To connect with blood transfusion professionals
- To provide opportunities for exchanging information related to blood transfusion medicine
- To promote and maintain a high level of ethical, medical and scientific standards in blood transfusion medicine
- To support safe and sufficient transfusion therapy globally

The main activities of ISBT include:
- Congresses: two regional congresses in odd numbered years and an international congress in even numbered years
- Education through the ISBT Academy which organises or supports workshops and educational events around the globe
- The 14 working parties which cover all aspects of transfusion medicine

Not a member yet?
Why not become an ISBT member and register for future ISBT congresses at the ISBT member rate and receive all benefits of ISBT membership.

Member Benefits:
- Subscription to Vox Sanguinis
- Receipt of Transfusion Today
- Online access to the ISBT e-learning portal, congress webcasts
- Online access to Working Party material

Stop by the ISBT booth (601) to find out more about the different membership types.
ISBT thanks the companies joining the Exhibition held in association with the 24th Regional Congress in Kuala Lumpur. The Exhibition enhances the congress experience and visiting the different companies to talk about the products on offer helps you with business decisions. In the Exhibition hall you will find over 60 of the major companies working internationally who are involved with transfusion technology. The booths give the companies the opportunity to showcase their products and services. It gives you the delegate the opportunity to meet face to face with company representatives who can share knowledge of their products and technologies with you ultimately leading you to make informed business buying decisions.

The Exhibition hall is also the perfect place for you to network with colleagues from around the world during the coffee, tea and lunch breaks as all refreshments will be served in the hall. Make sure you visit the hall each day and catch up with news from the company booths.

**Exhibition Opening Hours**

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<tr>
<td>Tuesday</td>
<td>December 3</td>
<td>09.00 - 18.00</td>
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</tbody>
</table>

**Welcome Reception 18.45 - 21.00**

The Welcome reception will take place in the Exhibition hall on Sunday evening from 18.45 hours. This is a real opportunity to catch up with old friends and colleagues and meet new colleagues and discuss relevant and challenging issues in transfusion medicine and beyond.

**Refreshment stations**

Tea, coffee and water will be served during all the refreshment and lunch breaks from stations around the Exhibition hall.

**Internet corners**

There are two internet corners set up around the Exhibition hall giving you the opportunity to catch up with work emails.

**ISBT Booth**

The ISBT booth is located in the Exhibition area. Here you can meet the staff, find out more about the Society, become a member, get information about the library of guidelines, standards and regulatory documents, discover the e-learning portal, and take advantage of a photo opportunity in front of a graphic of the Petronas Towers.
ISBT Working Parties & other meetings

All meetings will take place at the KLCC

**Sunday, December 1**

10.00 - 12.00  ISBT WP on Apheresis  
11.00 - 12.00  ISBT WP on Granulocyte Immunobiology  
11.30 - 13.00  ISBT WP on Donors and Donation  
13.00 - 17.00  ISBT WP on TTID  
13.30 - 15.30  ISBT WP on Platelet Immunobiology  
14.30 - 16.00  ISBT WP on Cellular Therapies

**Meeting Room 408**

**Meeting Room 410**

**Meeting Room 409**

**Meeting Room 410**

**Meeting Room 408**

**Meeting Room 409**

**Tuesday, December 3**

14.00 - 15.00  Exhibitors Meeting

**Meeting Room 307**

Programme
ISBT Working Party Programme

Sunday, December 1

10.00 - 12.00

**ISBT WP on Apheresis**
Room 408

Opening

Fixing Agenda
Minutes

Education Apheresis nurses
Research in apheresis

Next meeting

11.00 - 12.00

**ISBT WP on Granulocyte Immunobiology**
Room 410

Welcome and Introduction

Report on 2013 International granulocyte Immunobiology Workshop

Report on Inaugural Granulocyte Practicum

11.30 - 13.00

**ISBT WP on Donors and Donation**
Room 409

**Welcome and Introduction to Donors and Donation Working Party**
*Cecilia Tan*

**Report and Review of initiatives**
*Cecilia Tan*

1. White paper on altruism/volunteerism with regard to voluntary non-remunerated blood donation (VNRBD)
2. The Domain Manuel which was circulated to WP members for perusal and comment
3. Compilation of terminology glossary on “Donors and Donation” to be posted on the ISBT website
4. Models on Club 25 concept to be posted on the ISBT website
ISBT Working Party Programme
Sunday, December 1

Report on: Low haemoglobins in regular voluntary blood donors, particularly in the youth
Under the leadership of Jo Wiersum-Osselton and in collaboration with the ISBT WP on Haemovigilance

Hot topics for discussion
1. Challenges regarding recognition, incentives and rewards including free medical treatment for blood donors as an incentive
2. Donor vigilance, particularly haemoglobin deferrals

Any other business

13.00 - 17.00

ISBT WP on Transfusion Transmitted Infectious Diseases
Room 410

Introductions
Michael Busch

Topics from the Subgroups on Virology and Surveillance, Risk Assessment & Policy (SRAP) and Virology:
Clive Seed, Susan Stramer

- Risk and prevention strategies in endemic versus non-endemic regions
  - Dengue
  - Malaria
  - Other similar agents?

- Emerging/re-emerging infectious agents of concern in Asia-Pacific Region
  - Hepatitis E Virus (HEV)
  - Severe Fever and Thrombocytopenia Virus (SFTSV)
  - Middle East Respiratory Syndrome Corona Virus (MERS-CoV)

HBV variants and vaccine breakthrough infections
ISBT Working Party Programme
Sunday, December 1

Discussion of on-going/new initiatives
- WP Residual Risk and Cost Effectiveness Website
- New NAT survey, which could now include WNV, dengue, HEV and other globally relevant agents
- Possibility of creating a repository of samples from WP member countries for molecular surveillance (incident cases of HIV, HCV, HBV and whatever other agents can be agreed upon)
- Possibility of conducting TTID Research Training Sessions in Asia Pacific Regions

13.30 - 15.30
ISBT WP on Platelet Immunobiology
Room 408

Current and further activities of PIWP in Asia
Sentot Santoso (Germany)

Report of the 2nd Platelet Workshop Asian Regional
Nelso Tsuno (Japan)

Platelet Transfusion Refractoriness caused by anti-Naka Donor-Registry
- Network
Wenjie Xia (China)

Neonatal Alloimmune Thrombocytopenia.
Anti-HPA-1a in Malaysia and other Asian countries
Mohd. Ismail Bt. Armawai (Malaysia)
ISBT Working Party Programme
Sunday, December 1

14.30 - 16.00  **ISBT WP on Cellular Therapies**  
*Room 409*

- Welcome new members
- Feedback on WBMT meeting: Salvador
- Planning for ISBT Congress Seoul 2014
- Current ISBT project: platelet lysates
- Current ISBT project: plasma eye drops
- ISBT-AABB collaboration
- By-laws for the WP
- Any Other Business
Be part of an international and dynamic Society

Join our community of professionals and:

✓ build productive contacts with fellow members all over the world

✓ access the members only portion of the website including the ISBT Academy e-learning portal

✓ receive a complimentary subscription to Vox Sanguinis and Transfusion Today with electronic access

✓ get discounts on registration fees for ISBT congresses worldwide

✓ join our specialist working parties

Join us at www.isbtweb.org/membership
A Leading Diagnostics Company

The Clinical Diagnostics Group develops, manufactures, sells, and supports a large portfolio of products for laboratory diagnostics. Bio-Rad is a leading diagnostics company and its products are recognized as the gold standard for diabetes monitoring and quality control (QC) systems. The company is also well known for its blood virus testing and detection, blood typing, and autoimmune and genetic disorders testing.

Bio-Rad’s clinical diagnostics products incorporate a broad range of technologies used to detect, identify, and quantify substances in bodily fluids and tissues. The results are used as aids to support medical diagnosis, detection, evaluation, and the monitoring and treatment of diseases and other medical conditions.

For more information: www.bio-rad.com/diagnostics
Important Notice for Moderators and Speakers
All moderators and speakers are kindly requested to be in the session room at least 10 minutes before the beginning of the session.

Abstracts
Abstracts are printed as a supplement of Vox Sanguinis. All abstracts are listed in the Programme Book and can be downloaded through the ISBT Congress mobile application.

ISBT Science Series
In order to try to get the Science Series accepted for Medline indexing, ISBT has changed its policy with regards to the publication in association with its congresses. This means that the Science Series containing the State of the Art Papers accompanying the 24th Regional Congress, will be available online in February, 2014.

Accreditation Statement
The 24th Regional Congress of the ISBT is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medial specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.uems.net.

The 24th Regional Congress of the ISBT is designated for a maximum of (or ‘for up to’) 21 hours of European external CME credits.

Certificates of Attendance
Certificates of Attendance will be available at the Registration desk as of Tuesday, December 3 at 12.00 hours.

Speaker Ready Room
The Speaker Ready Room is located at Room 306 on the third floor. Speakers are requested to bring their presentations to the Speaker Ready Room on an USB stick or at least 3 hours prior to their presentation time schedule. You may also bring your laptop for copying your presentation to the main computer, which will be used for sending the presentations to the different meeting rooms. Only PowerPoint presentations made in Microsoft Office XP or earlier versions will be accepted.

The use of your own laptop during your presentation is NOT possible.
Opening hours of the Speaker Ready Room are as follows:

<table>
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<tr>
<td>Sunday, December 1</td>
<td>08.00 - 17.30 hours</td>
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<tr>
<td>Monday, December 2</td>
<td>07.30 - 17.30 hours</td>
</tr>
<tr>
<td>Tuesday, December 3</td>
<td>07.30 - 17.30 hours</td>
</tr>
<tr>
<td>Wednesday, December 4</td>
<td>07.30 - 12.00 hours</td>
</tr>
</tbody>
</table>

Programme changes

The organisers cannot assume liability for any changes in the programme due to external or unforeseen circumstances.

Harold Gunson Fellowships

The ISBT awards Harold Gunson Fellowships to people younger than 40 years from low and medium development index countries included in the UN Development Programme (UNDP). Fourteen people from three different countries received fellowships for this congress.

Talking Stick

At the Opening Ceremony, the President of ISBT offers the Talking stick to the President of the Congress. This tradition is inherited from the XXVIIth International Congress of ISBT in Vancouver, Canada in 2002 when the Local Organising committee offered to ISBT the Talking Stick. Talking sticks were used by West Coast natives in Canada during Potlatches and other ceremonial occasions as a symbol of speaking authority and respect for communication by chiefs and elders.
ISBT Mobile Application

A mobile application is available for delegates, which provides a convenient and comprehensive way to navigate through the ISBT 2013 Congress. This application is also a way to receive and utilise industry information before, during and after the Congress.

The ISBT application features include:

- Interactive Exhibitor List
- Exhibitor Information
- Overview of Congress Programme
- Real-time Congress alerts via text messaging
- Social media interaction with live feed of Tweets including #ISBTCO
- All abstracts

This mobile application provides delegates with Congress information and allows delegates to engage with each other before, during and after the Congress.

The mobile application is supported by Roche.
## Programme at a Glance

**Sunday December 1**

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<th>Time</th>
<th>Conference Hall 2</th>
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<td>09.30 – 11.00</td>
<td>Transfusion Transmitted Infectious Diseases</td>
<td>Donors</td>
</tr>
<tr>
<td>11.00 - 11.30</td>
<td>Coffee Break</td>
<td></td>
</tr>
<tr>
<td>11.30 - 13.00</td>
<td>Transfusion Transmitted Infectious Diseases</td>
<td>Steps in Getting a Paper Published / Abstract Accepted</td>
</tr>
<tr>
<td>13.00 - 14.00</td>
<td></td>
<td>Lunch</td>
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<tr>
<td>14.00 - 15.30</td>
<td>Quality</td>
<td>Immunohaematology Workshop</td>
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<tr>
<td>15.30 - 16.00</td>
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<td>Coffee Break</td>
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<tr>
<td>16.00 - 17.30</td>
<td>Haemovigilance</td>
<td>Platelet immunology</td>
</tr>
<tr>
<td>17.45 - 18.45</td>
<td></td>
<td><strong>Opening Ceremony (Plenary Hall Auditorium)</strong></td>
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<tr>
<td>18.45 - 21.00</td>
<td></td>
<td><strong>Opening of the Trade Exhibition and Welcome Reception</strong></td>
</tr>
</tbody>
</table>
## Programme at a Glance

### Monday December 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Conference Hall 2</th>
<th>Conference Hall 1</th>
<th>Conference Hall 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30 –10.00</td>
<td><strong>S01</strong>: Parallel Session</td>
<td><strong>S02</strong>: Parallel Session</td>
<td><strong>S03</strong>: Parallel Session</td>
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<tr>
<td></td>
<td>Improving Patient Outcomes</td>
<td>Genomics: How and When</td>
<td>Blood Safety and Pathogen Inactivation</td>
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<tr>
<td>10.00-10.30</td>
<td>Coffee Break</td>
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<tr>
<td>10.30 - 12.00</td>
<td><strong>2B-PL</strong>: Plenary Session</td>
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<tr>
<td></td>
<td>It's All About Red Cells</td>
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<tr>
<td>12.00 - 14.00</td>
<td>Lunch</td>
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<tr>
<td>14.00 - 15.30</td>
<td><strong>S04</strong>: Parallel Session</td>
<td><strong>S05</strong>: Parallel Session</td>
<td><strong>S06</strong>: Parallel Session</td>
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<tr>
<td></td>
<td>Emerging Infections</td>
<td>Blood Components</td>
<td>Stem Cells &amp; Biobanks</td>
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<tr>
<td>15.30 - 16.00</td>
<td>Coffee Break</td>
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<tr>
<td>16.00 - 17.30</td>
<td><strong>S07</strong>: Parallel Session</td>
<td><strong>S08</strong>: Parallel Session</td>
<td><strong>S09</strong>: Parallel Session</td>
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<tr>
<td></td>
<td>Plasma Products</td>
<td>Rare Donors</td>
<td>Donor Recruitment</td>
</tr>
<tr>
<td>17.30 - 18.30</td>
<td><strong>Poster session</strong> (Exhibition area)</td>
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<tr>
<td>Time</td>
<td>Conference Hall 2</td>
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<td>Conference Hall 3</td>
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<tr>
<td>08.30 – 10.00</td>
<td><strong>S10:</strong> Parallel Session Haemovigilance</td>
<td><strong>S11:</strong> Parallel Session Blood Supply Management</td>
<td><strong>S12:</strong> Parallel Session Blood Derived Products for Cellular Therapy</td>
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<tr>
<td>10.00 – 10.30</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>10.30 – 12.00</td>
<td><strong>3B-PL:</strong> Plenary Session It’s All About Platelets</td>
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<tr>
<td>12.00 – 14.00</td>
<td><strong>Lunch</strong></td>
<td><strong>Satellite Symposium:</strong> Novartis Diagnostics</td>
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<tr>
<td>14.00 – 15.30</td>
<td><strong>S13:</strong> Parallel Session Platelets</td>
<td><strong>S14:</strong> Parallel Session Blood Component Therapy</td>
<td><strong>S15:</strong> Parallel Session Donor Management</td>
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<tr>
<td>15.30 – 16.00</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>16.00 – 17.30</td>
<td><strong>S16:</strong> Parallel Session Dilemmas in Clinical Transfusion</td>
<td><strong>S17:</strong> Parallel Session Granulocytes</td>
<td><strong>S18:</strong> Parallel Session Cell Therapy</td>
</tr>
<tr>
<td>19.30 – 22.30</td>
<td><strong>Congress Banquet</strong> (Ballroom 1, level 3)</td>
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</tbody>
</table>
# Programme at a Glance

**Wednesday December 4**

<table>
<thead>
<tr>
<th>Time</th>
<th>Plenary Theatre Auditorium</th>
<th>Conference Hall 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30 –10.00</td>
<td><strong>S19</strong>: Parallel Session National Blood Programmes</td>
<td><strong>S20</strong>: Parallel Session Arboviruses &amp; Blood Supply</td>
</tr>
<tr>
<td>10.00 -10.30</td>
<td><strong>Coffee Break</strong> (Lobby Plenary Theatre Auditorium)</td>
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<tr>
<td>10.30 - 12.00</td>
<td><strong>4B-PL</strong>: Plenary Session It's All About Blood Safety</td>
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<tr>
<td>12.00 - 12.30</td>
<td><strong>Closing Ceremony</strong></td>
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<tr>
<td>12.30 - 13.30</td>
<td><strong>Farewell Lunch</strong> (Lobby Plenary Theatre Auditorium)</td>
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</tbody>
</table>
Sunday December 1

09.30 - 11.00
Conference Hall 2
ISBT Academy Day
Transfusion Transmitted Infectious Diseases

Moderators: M. Busch (USA), S. Stramer (USA)

09.30 - 10.00
INFECTION TRANSMISSION RISK AND DIFFERENT TEST STRATEGIES
1A-H1-01
R.Y. Dodd
American Red Cross, Rockville, MD, United States of America

10.00 - 10.30
SCREENING AND CONFIRMATORY TESTING STRATEGIES FOR TRANSFUSION-TRANSMISSIBLE VIRAL INFECTIONS
1A-H1-02
R.G. Seed
Australian Red Cross Blood Service, Perth, Australia

10.30 - 11.00
INFECTIVITY OF HBV AND THE SCREENING STRATEGY
1A-H1-03
K. Tadokoro, M. Satake
Japanese Red Cross Society, Tokyo, Japan

11.00 - 11.30 Coffee Break
Sunday December 1

09.30 - 11.00
Conference Hall 1

ISBT Academy Day
Donors

Moderators: C. Tan (Singapore), C.K. Lin (Hong Kong)

09.30 - 10.00
MEETING CLINICAL DEMAND FOR BLOOD AND BLOOD PRODUCTS
1A-H2-01

J. Caulfield, J. Wilson, S. Chesneau
Australian Red Cross Blood Service, Melbourne, Australia

10.00 - 10.30
UNDERSTANDING THE CURRENT AND FUTURE DONORS: FOCUSING ON THE KOREAN SITUATION
1A-H2-02

S.C. Kim, J. Jeon
Korean Red Cross Blood Service Headquarter, Seoul, South-Korea

10.30 - 11.00
DONOR SELECTION FOR BLOOD SAFETY: IS IT STILL NECESSARY?
1A-H2-03

C.K. Lin
Hong Kong Red Cross Blood Transfusion Service, Kowloon, Hong Kong

11.00 - 11.30
Coffee Break
Sunday December 1

11.30 - 13.00
Conference Hall 2

ISBT Academy Day
Transfusion Transmitted Infectious Diseases
Moderators: D. Teo (Singapore), R. Benjamin (USA)

11.30 - 12.00
1B-H3-01
CURRENT PERSPECTIVES IN TRANSFUSION-TRANSMITTED INFECTIOUS DISEASES: EMERGING AND RE-EMERGING INFECTIONS
S.L. Stramer
American Red Cross, Gaithersburg, MD, United States of America

12.00 - 12.30
1B-H3-02
BACTERIAL CONTAMINATION
R.J. Benjamin
American Red Cross, Rockville, United States of America

12.30 - 13.00
1B-H3-03
PATHOGEN REDUCTION TECHNOLOGY
D.C. Marks
The Australian Red Cross Blood Service, Sydney, Australia

13.00 - 14.00
Lunch Break
Sunday December 1

11.30 - 13.00
Conference Hall 1

ISBT Academy Day
Steps in getting a Paper Published/Abstract Accepted
Moderators: M.L. Olsson (Sweden), D. Devine (Canada)

11.30 - 12.00
HOW TO DESIGN EXPERIMENTS TO ANSWER QUESTIONS
1B-H4-01
M.B.C. Koh
Blood Services Group, Health Sciences Authority, Singapore

12.00 - 12.30
HOW TO GET YOUR ABSTRACT ACCEPTED AND HOW TO PRESENT IT
1B-H4-02
G. Daniels
NHSBT, Bristol, United Kingdom

12.30 - 13.00
HOW TO GET A PAPER PUBLISHED
1B-H4-03
D. Devine
Canadian Blood Services, Vancouver, Canada

13.00 - 14.00
Lunch Break
Sunday December 1

14.00 - 15.30
Conference Hall 2

ISBT Academy Day
Quality

Moderators: J.F. Chapman (Netherlands), Y. Ayob (Malaysia)

14.00 - 14.30
1C-H5-01
INTRODUCING THE ISBT GUIDELINES, STANDARDS AND REGULATIONS REPOSITORY
J.F. Chapman, F. Prinsze
ISBT Central Office, Amsterdam, The Netherlands

14.30 - 15.00
1C-H5-02
THE DEVELOPMENT OF STEP WISE ACCREDITATION FROM THE AFRICA SOCIETY PERSPECTIVE
B. M'Baya
Malawi Blood Transfusion Service, Blantyre, Malawi

15.00 - 15.30
1C-H5-03
MONITORING TRANSFUSION PRACTICE
Y. Ayob
National Blood Centre, Kuala Lumpur, Malaysia

15.30 - 16.00
Coffee Break
Sunday December 1

14.00 - 15.30  
Conference Hall 1

**ISBT Academy Day**
Immunohaematology Workshop

*Moderators: J.R. Storry (Sweden), V.S. Nadarajan (Malaysia)*

14.00 - 14.30
**DETERMINING LOCAL POPULATION FREQUENCIES USING GENETIC TECHNIQUES**
1C-H6-01
Z. Zhu
Shanghai Blood Center, Shanghai, China

14.30 - 15.00
**DIAGNOSIS AND TREATMENT OF AUTOIMMUNE HAEMOLYTIC ANAEMIA**
1C-H6-02
V.S. Nadarajan
University Malaya, Kuala Lumpur, Malaysia

15.00 - 15.30
**CASE STUDIES - RESOLVING COMPLEX SEROLOGICAL PROBLEMS**
1C-H6-03
J.R. Storry
University & Regional Laboratories, Clinical Immunology and Transfusion Medicine, Lund, Sweden

15.30 - 16.00  
Coffee Break
Sunday December 1

16.00 - 17.30
Conference Hall 2
ISBT Academy Day
Haemovigilance

Moderators: J.C. Wiersum-Osselton (Netherlands), E. Wood (Australia)

16.00 - 16.30
HAEMOVIGILANCE: CONCEPTS AND FRAMEWORKS
1D-H7-01
E. Wood, L. Stevenson, L. Bielby, J.C. Wiersum-Osselton
Transfusion Research Unit, Monash University, Melbourne, Australia

16.30 - 17.00
DEFINITIONS IN HAEMOVIGILANCE
1D-H7-02
J.C. Wiersum-Osselton
TRIP National hemo- and biovigilance office, The Hague, Netherlands

17.00 - 17.30
TRACEABILITY AND THE USE OF UNIQUE IDENTIFIERS
1D-H7-03
P.B. Distler, P. Ashford
ICCBBA, San Bernardino, United States of America

17.45 - 18.45
Opening Ceremony (Plenary Hall Auditorium)

18.45 - 21.00
Opening of the Trade Exhibition and Welcome Reception (Exhibition area)
Sunday December 1

16.00 - 17.30  Conference Hall 1
ISBT Academy Day
Platelet Immunology
Moderators: S. Santoso (Germany), N.H. Tsuno (Japan)

16.00 - 16.30  1D-H8-01
THE IMPORTANCE OF PLATELET ANTIGENS AND ANTIBODIES IN IMMUNE MEDIATED THROMBOCYTOPENIA
N.H. Tsuno
The University of Tokyo, Tokyo, Japan

16.30 - 17.00  1D-H8-02
DETECTION OF CLINICAL RELEVANT PLATELET ANTIBODIES IN THE ASIAN POPULATION
G.G. Wu
Nanning Institute of Transfusion Medicine, Nanning, China

17.00 - 17.30  1D-H8-03
GENETIC POLYMORPHISMS OF HUMAN PLATELET ANTIGENS (HPA) IN THE ASIAN POPULATION: IMPLICATIONS IN ESTABLISHMENT OF PLATELET DONOR REGISTRIES
V.S. Nadarajan
University Malaya, Kuala Lumpur, Malaysia

17.45 - 18.45  Opening Ceremony (Plenary Hall Auditorium)

18.45 - 21.00  Opening of the Trade Exhibition and Welcome Reception (Exhibition Area)
Monday December 2

08.30 - 10.00
Conference Hall 2

Clinical
Improving Patient Outcomes
Moderators: M.H. Ariff (Malaysia), N. Marwaha (India)

08.30 - 09.00
SETTING UP A PATIENT BLOOD MANAGEMENT PROGRAMME
2A-S01-01
E. Wood, S. Engelbrecht, K. Robinson
Transfusion Research Unit, Monash University, Melbourne, Australia

09.00 - 09.30
APPLYING MASSIVE TRANSFUSION PROTOCOLS IN TRAUMA
2A-S01-02
J.C.F. Ng
Singapore General Hospital, Singapore, Singapore

09.30 - 09.45
RH D ALLOIMMUNIZATION AFTER TRANSFUSION OF D+ PLATELETS IN D- PATIENTS. IS RH IMMUNOGLOBULIN PROPHYLAXIS INDICATED?
2A-S01-03
King Khaled University Hospital, Riyadh, Saudi Arabia

09.45 - 10.00
AN AUDIT OF TRANSFUSION PROCESS: AN IMPORTANT TOOL FOR TRANSFUSION SAFETY
2A-S01-04
R. Malvankar, A. Indulkar, R. Sawant, A. Deshpande
P D Hinduja National Hospital and Medical Research Centre, Mumbai, India

10.00 - 10.30
Coffee Break
Monday December 2

08.30 - 10.00
Conference Hall  1

Immunohematology
Genomics: how and when
Moderators: V.S. Nadarajan (Malaysia), J. Storry (Sweden)

08.30 - 09.00
2A-S02-01
MALDI-TOF MS BASED BLOOD GROUP GENOTYPING - PROGRESS OF AN ALTERNATIVE APPROACH
C. Gassner
Blood Transfusion Service Zurich, SRC, Schlieren, Switzerland

09.00 - 09.15
2A-S02-02
GP.KIPP AND GP.YAK BAB HYBRID GLYCOPHORINS: NO DIFFERENCE IN SEQUENCE OR SEROLOGY
Australian Red Cross Blood Service, Brisbane, Australia

09.15 - 09.30
2A-S02-03
MOLECULAR GENOTYPING OR SEROLOGICAL PHENOTYPING, WHICH IS MORE COST-EFFECTIVE
S.B. Mohamed Sidik
Health Sciences Authority, Singapore, Singapore

09.30 - 09.45
2A-S02-04
IDENTIFICATION OF BLOOD GROUP SINGLE NUCLEOTIDE POLYMORPHISMS BY 5’-NUCLEASE ASSAY FOR ESTABLISHMENT OF AN ANTIGEN NEGATIVE RED BLOOD CELL INVENTORY AND BLOOD DONOR POOL
V.S. Nadarajan, A. Rosnizah, P. Supramani, M.R. Shahirul Faizul, S.S. Mohamed Kamil
University Malaya, Kuala Lumpur, Malaysia

09.45 - 10.00
2A-S02-05
EXTENDED ERYTHROCYTE TYPING: MOLECULAR TECHNIQUE VS SEROLOGICAL TECHNIQUE
E. Munno, M.R. Dell’Aversana, G. De Caprio, R. D’ambrosio, F. Annarumma, M. D’onofrio, S. Misso
Servizio Trasfusionale ASL Caserta, Aversa, Italy
Monday December 2

08.30 - 10.00
Conference Hall 3

Transfusion Transmitted Infectious Diseases
Blood Safety and Pathogen Inactivation

Moderators: D. Teo (Singapore), R. Dodd (USA)

08.30 - 09.00

PATHOGEN INACTIVATION - ARE WE THERE YET?
2A-S03-01
R.J. Benjamin
American Red Cross, Rockville, United States of America

09.00 - 09.15

EFFICIENT INHIBITION OF MITOCHONDRIAL DNA AMPLIFICATION USING A REAL-TIME PCR ASSAY AFTER TREATMENT WITH THE INTERCEPT SYSTEM FOR PATHOGEN INACTIVATION
2A-S03-02
S. Bakkour, K. Dupuis, D. Chafets, M.P. Busch, A. Stassinopoulos, T.H. Lee
Blood Systems Research Institute, California, United States of America

09.15 - 09.30

PATHOGEN REDUCTION TREATMENT AND SUBSEQUENT STORAGE OF BUFFY-COAT DERIVED PLATELETS ALTERS PRODUCTION OF MONOCYTE INFLAMMATORY MEDIATORS IN A WHOLE BLOOD TRANSFUSION MODEL
2A-S03-03
Y.S. Loh, M.M. Dean, L. Johnson, D.C. Marks
The Australian Red Cross Blood Service, Sydney, Australia

09.30 - 09.45

THE COMPARISON OF HCV SUBTYPES BETWEEN CLINICAL PATIENTS AND BLOOD DONORS IN GUANGDONG CHINA
2A-S03-04
X. Rong, Y. Fu
Guangzhou Blood Center, Guangzhou, China

09.45 - 10.00

DETECTION OF HEPATITIS B VIRUS FROM SERA OF TRANSFUSED PATIENTS IS NOT ALWAYS DUE TO BLOOD TRANSFUSION
2A-S03-05
S. Kino
Asahikawa Medical University Hospital, Asahikawa, Japan

10.00 - 10.30
Coffee Break
Monday December 2

10.30 - 12.00
Conference Hall  2

Plenary Session
It’s All About Red Cells

Moderators: Y. Ayob (Malaysia), M.L. Olsson (Sweden)

10.30 - 11.10  
2B-PL1
THE MYTHS OF BLOOD GROUPS
G. Daniels
NHSBT, Bristol, United Kingdom

11.10 - 11.50  
2B-PL2
FIVE NEW BLOOD GROUPS - WHAT NEXT?
J.R. Storry
University & Regional Laboratories, Clinical Immunology and Transfusion Medicine, Lund, Sweden

12.00 - 14.00  Lunch Break and Satellite Symposium
Monday December 2

12.00 - 14.00
Conference Hall 1

Roche

Comprehensive Workflow Solutions for Your Lab

12.15 - 12.20  WELCOME, OPENING, INTRODUCTION

12.20 - 12.45  WHAT IS THE RIGHT WORKFLOW FOR COUNTRIES ENDEMIC FOR BLOOD BORN PATHOGENS?
   Tasanee Sakuldamrongpanich (Thai Red Cross, Thailand)

12.45 - 13.10  ROCHE SEROLOGY ASSAYS: A SOLUTION FOR BLOOD SCREENING
   Walter Nussbaumer (Innsbruck Blood Bank, Austria)

13.10 - 13.35  FUTURE NAT SCREENING SYSTEMS FROM ROCHE
   John Saldanha (Roche, USA)

13.35 – 13.45  Q&A, CONCLUSION
Scientific Programme

Monday December 2

14.00 - 15.30
Conference Hall 2

Transfusion Transmitted Infectious Diseases
Emerging Infections

Moderators: Y.S.M. Soedarmono (Indonesia), S. Wendel (Brazil)

14.00 - 14.30
EMERGING AND IMPORTED INFECTIONS IN THE REGION - WHAT’S BOTHERING US TODAY?
2C-S04-01
D. Teo
Blood Services Group, Health Sciences Authority, Singapore, Singapore

14.30 - 14.45
VIRAL TRANSMISSION RISK ASSESSMENT ON INDIVIDUAL-DONATION NUCLEIC ACID TESTING IN KUALA LUMPUR, MALAYSIA
2C-S04-02
S.T.P. Lam, A.H. Bon, M. Mat Radzi, E. Mah, M.H. Abdul Halim, R.Hassan, N. Lelie
National Blood Centre, Kuala Lumpur, Malaysia

14.45 - 15.00
TRANSFUSION TRANSMITTED HEPATITS A INFECTION CASES IN KOREA
2C-S04-03
KCDC, Chungcheongbuk-do, South-Korea

15.00 - 15.15
PREVALENCE OF PREVIOUS INFECTION WITH HEPATITIS A, B AND E IN BLOOD DONORS IN THE WESTERN CAPE, SOUTH AFRICA
2C-S04-04
R.T. Cable, C. Pistorius, M. Andersson, T. Maponga, T. Lopez, W. Preiser, R. Tedder
Western Province Blood Transfusion Service, Pinelands, South Africa

15.15 - 15.30
DISTRIBUTION OF HEPATOCELLULAR CARCINOMA-RELATED(HCC) MUTATIONS AND DRUG RESISTANCE RELATED MUTATIONS OF HBV IN CHINESE BLOOD DONORS
2C-S04-05
Y. Liu, J. Wang, Y. Huang, F. Yao, X. Wen, Y. Lv, X. Bi, J. Xu, J. Liu, P.Ness, H. Shan
Institute of Blood Transfusion, Chinese Academy of Medical Sciences, Chengdu, China
Monday December 2

14.00 - 15.30
Conference Hall 1

Products and Components
Blood Components

Moderators: C. Velati (Italy), S.I. Hindawi (Saudi Arabia)

14.00 - 14.30
A FRESH LOOK AT MEASURING QUALITY IN BLOOD COMPONENTS
2C-S05-01
D. Devine
Canadian Blood Services, Vancouver, Canada

14.30 - 14.45
RESIDUAL PLATELETS POTENTIATE RELEASE OF PROCOAGULANT AND PROINFLAMMATORY RED CELL MICROPARTICLES (RMP) DURING BLOOD STORAGE
2C-S05-02
University of Miami School of Medicine, Miami, United States of America

14.45 - 15.00
PLATELET DERIVED MICROPARTICLES INDUCE POLYMORPHONU-CLEAR LEUKOCYTES MEDIATED DAMAGE OF HUMAN PULMONARY MICROVASCULAR ENDOTHELIAL CELLS
2C-S05-03
R.F. Xie, P. Hu, Y.N. Ren, J. Yang, Y.M. Yang, H.H. Fan
Shanghai Blood Center, Shanghai, China

15.00 - 15.15
FREQUENT PLATELETPHERESIS DONATION INCREASED PLASMA LEVELS OF P-SELECTIN IN HEALTHY DONORS
2C-S05-04
Y. Chen, Y.S. Lin, X.F. Zhuo, W. Huang, M. Dettke
Fujian Provincial Cancer Hospital, Fuzhou, China

15.15 - 15.30
WASHING OF RED CELLS, AGE AT THE TIME OF PROCESSING AND SUBSEQUENT STORAGE INFLUENCE THE IN VITRO QUALITY AND BIOACTIVE SUBSTANCES IN THE RED CELL SUPERNATANT
2C-S05-05
Y.S. Loh, M.J. Stark, M. Kwok, S. Tan, D.C. Marks
The Australian Red Cross Blood Service, Sydney, Australia

15.30 - 16.00
Coffee Break
Monday December 2

14.00 - 15.30
Conference Hall  3
Cellular Therapies
Stem Cells and Biobanks
Moderators: C.F. Leong (Malaysia), E. Seifried (Germany)

14.00 - 14.30
2C-S06-01
BIOBANKING
M.B.C. Koh
Blood Services Group, Health Sciences Authority, Singapore, Singapore

14.30 - 15.00
2C-S06-02
HOW TO ESTABLISH AND RUN A CELL THERAPY UNIT IN A BLOOD BANK
C. Gabriel
Red Cross Transfusion Service of Upper Austria, Linz, Austria

15.00 - 15.30
2C-S06-03
HOW TO PREPARE YOUR CELL THERAPY UNIT FOR ACCREDITATION
C. Gabriel
Red Cross Transfusion Service of Upper Austria, Linz, Austria

15.30 - 16.00
Coffee Break
Monday December 2

16.00 - 17.30
Conference Hall 2

Products and Components
Plasma Products
Moderators: F. Abd Karim (Malaysia), K. Tadokoro (Japan)

16.00 - 16.30
2D-S07-01
NEW APPROACHES TOWARDS MANUFACTURE OF PLASMA DERIVATIVES
T. Burnouf
Taipei Medical University, Taipei, Taiwan

16.30 - 17.00
2D-S07-02
IS THERE ANY ROLE FOR HYPERIMMUNE PLASMA IN PANDEMIC SITUATIONS?
K.Y. Yuen
The University of Hong Kong, Hong Kong, Hong Kong

17.00 - 17.15
2D-S07-03
EVALUATION OF NEUTRALIZING ACTIVITY OF PLASMA OBTAINED FROM JAPANESE INDIVIDUALS AGAINST MOSQUITO-MEDIATED VIRAL INFECTIONS: USING INTRAVENOUS IMMUNOGLOBULIN
N. Shinohara, T. Owada, C. Matsumoto, S. Uchida, M. Satake, K. Tadokoro
Japanese Red Cross Society, Tokyo, Japan

17.15 - 17.30
2D-S07-04
ASSESSMENT OF THE IN VITRO ANTI-INFLAMMATORY ACTIVITY OF PLASMA/PLATELET FRACTIONS USED IN REGENERATIVE MEDICINE
T.Y. Renn, Y.H. Kao, K.L. Ou, C.C. Wang, T. Burnouf
Taipei Medical University, Taipei City, Taiwan

17.30 - 18.30
Poster Session (Exhibition Area)
Monday December 2

16.00 - 17.30
Conference Hall 1

Immunohematology
Rare Donors

Moderators: Z. Zhu (China), D. Roxby (Australia)

16.00 - 16.35
DEFINING AND FINDING THE RARE DONOR
2D-S08-01
Y. Tani
Japanese Red Cross Kinki Block Blood Center, Ibaraki, Japan

16.35 - 17.10
ESSENTIALS OF A NATIONAL RARE DONOR REGISTRY
2D-S08-02
Z. Zhu
Shanghai Blood Center, Shanghai, China

17.10 - 17.30
THE FIRST EXAMPLE OF AN ACUTE HEMOLYTIC TRANSFUSION
REACTION DUE TO ANTI-EMM AND THE FIRST JAPANESE PROBAND
2D-S08-03
J. Takahashi, E. Date, T. Kusumi, A. Fuchisawa, N. Kawashiri, M. Tanaka,
M. Hirashima, K. Suzuki, S. Miyama, Y. Fuke, K. Kimura, H. Matsukura,
C. Lomas-Francis, Y. Tani
Japanese Red Cross Kinki Block Blood Center, Ibaraki, Japan

17.20 - 17.30
Overall Discussion
Monday December 2

16.00 - 17.30
Conference Hall  3
Donors and Donation
Donor Recruitment

Moderators: C. Tan (Singapore), B. M'Baya (Malawi)

16.00 - 16.30
NEW APPROACHES TO WIDEN THE DONOR BASE THROUGH CHANGING THE BLOOD DONATION CULTURE: FOCUSING ON THE CASES IN KOREA
S.Y. Park
Korean Red Cross Blood Service Headquarter, Seoul, South-Korea

16.30 - 17.00
UNDERSTANDING THE PSYCHOLOGY OF BLOOD DONATION
B. Masser
University of Queensland, Brisbane, Australia

17.00 - 17.15
SUCCESSFUL MODELING OF DONATION PREFERENCE INTO NEW COLLECTION SITE TO MEET DONORS’ EXPECTATION AND BLOOD DEMAND
C.K. Lee, M. Chau, C.K. Lin
Hong Kong Red Cross Blood Transfusion Service, Hong Kong, Hong Kong

17.15 - 17.30
THE BENEFIT OF RESEARCH IN ENSURING SUCCESS OF A NEW BLOOD COLLECTION CENTRE
E. Lin, C. Tan
Singapore Red Cross, Singapore, Singapore

17.30 - 18.30
Poster Session (Exhibition Area)
Tuesday December 3

08.30 - 10.00
Conference Hall 2

Clinical Haemovigilance

Moderators: R. Hassan (Malaysia), E. Wood (Australia)

08.30 - 09.00
3A-S10-01
SETTING UP A HAEMOVIGILANCE PROGRAMME FROM THE VERY FIRST STEP
N. Marwaha, S. Singh
Postgraduate Institute of Medical Education and Research, Chandigarh, India

09.00 - 09.15
3A-S10-02
HAPTOGLOBIN DEFICIENCY AMONG PATIENTS WITH NONHEMOLYTIC TRANSFUSION REACTIONS, A FIFTEEN-YEAR SURVEY IN JAPAN
E. Shimada
Japanese Red Cross Society / Central Blood Institute, Tokyo, Japan

09.15 - 09.30
3A-S10-03
'REDUCING ERRORS IN BLOOD SPECIMENS' A TERTIARY CARE HOSPITAL INITIATIVE
A.A. Hlaing
University Malaya Medical Center, Kuala Lumpur, Malaysia

09.30 - 09.45
3A-S10-04
HAEMOVIGILANCE: 10 YEARS EXPERIENCE IN MALAYSIA (2003 - 2012)
F. Abd Karim, Y. Ayob, T. Sivasambu, W.N.A. Wan Salleh, N. Mamat, R.Hassan
National Blood Centre, Kuala Lumpur, Malaysia

09.45 - 10.00
3A-S10-05
AN INSIGHT INTO ERRORS IN THE TRANSFUSION CHAIN: 5 YEAR EXPERIENCE AT A HOSPITAL BASED TRANSFUSION CENTRE
A. Bhatia, R.N. Makroo, M. Chowdhry, U.K. Thakur, M. Joshi
Indraprastha Apollo Hospitals, New Delhi, India
Tuesday December 3

08.30 - 10.00  
Conference Hall  1

Organisation and Management
Blood Supply Management

Moderators: N. Naim (Malaysia), J.F. Chapman (Netherlands)

08.30 - 09.00
3A-S11-01
CAN WE MANAGE BLOOD INVENTORY EFFECTIVELY
J. Caulfield, S. Chesneau, D. Portbury
Australian Red Cross Blood Service, Melbourne, Australia

09.00 - 09.30
3A-S11-02
ADOPTING A PROACTIVE APPROACH TO BLOOD SHORTAGES
K. Wooi-Seong
National Blood Centre, Kuala Lumpur, Malaysia

09.30 - 09.45
3A-S11-03
MONITORING AND EVALUATING THE EFFECTIVENESS OF INTERVENTIONS AGAINST CROSS-MATCH TO TRANSFUSION RATIO (C/T RATIO) FOR MAJOR DEPARTMENTS IN KUALA LUMPUR HOSPITAL FROM YEAR 2005 TO YEAR 2012
National Blood Centre, Kuala Lumpur, Malaysia

09.45 - 10.00
3A-S11-04
THE IMPACT OF OPTIMIZED RED CELL SHELF-LIFE ON BLOOD UTILIZATION OF CHRONICALLY TRANSFUSED PATIENTS-BUMP STUDY
M.T.R Shabani-Rad, J. Hendry, A. Mansoor, C. MacAdams
University of Calgary/CLS, Calgary, Canada

10.00 - 10.30  
Coffee Break
Tuesday December 3

**08.30 - 10.00**

**Conference Hall 3**

**Cellular Therapies**

Blood Derived Products for Cellular Therapy

*Moderators: M. Koh (Singapore), D. Devine (Canada)*

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<td><strong>PLATELET LYSATES AND THEIR ROLE IN CELL THERAPY</strong></td>
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<td>3A-S12-01</td>
<td>P. Horn, University Hospital Essen, Essen, Germany</td>
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<tr>
<td>09.00 - 09.30</td>
<td><strong>COMBINATION OF AUTOLOGOUS PLATELET GEL AND SKIN GRAFT TO TREAT NON-HEALING DIABETIC LOWER EXTREMITY ULCERS</strong></td>
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<td>Taipei Medical University, Taipei, Taiwan</td>
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<td>09.30 - 09.45</td>
<td><strong>ISOLATION AND EX VIVO PROPAGATION OF CORNEAL ENDOTHELIAL CELLS IN A XENOGENEIC-FREE AND RECOMBINANT GROWTH FACTOR-FREE MEDIUM SUPPLEMENTED SOLELY WITH HUMAN PLATELET LYSATE</strong></td>
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<td>M.L. Chou, T. Burnouf, T.J. Wang</td>
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<td>Taipei Medical University, Taipei, Taiwan</td>
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<td>09.45 - 10.00</td>
<td><strong>Overall Discussion</strong></td>
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<td><strong>Coffee Break</strong></td>
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Tuesday December 3

10.30 - 12.00
Conference Hall  2

Plenary Session
It's All About Platelets

Moderators: S. Santoso (Germany), C. Bianco (USA)

10.30 - 11.10
THE IMMUNE SYSTEM AS SEEN THROUGH THE EYES OF A PLATELET
3B-PL3
W. Semple
Keenan Research Center, Li Ki Shing Knowledge Institute, St. Michael’s Hospital, Toronto, Canada

11.10 - 11.50
NEW IMMUNE ROLE OF PLATELETS IN MALARIA
3B-PL4
B.J. McMorrann
Macquarie University, Sydney, Australia

12.00 - 14.00
Lunch Break and Satellite Symposium
Tuesday December 3

12.00 - 14.00
Conference Hall 1

Novartis Diagnostics

Global Blood Safety Through Innovation and Haemovigilance: Focus on Asia Pacific

12.00 - 12.15  REGISTRATION AND LUNCH BOX

12.15 - 12.25  INTRODUCTORY REMARKS
Yuyun SM Soedarmono (Indonesian Red Cross, Indonesia)

12.25 - 12.45  INNOVATION TO NAT: PROCLEIX® PANTHER SYSTEM AND ULTRIO ELITE® ASSAY EXPERIENCE
Karen O’Riordan (Irish Blood Transfusion Service, Ireland)

12.45 - 13.05  MALAYSIA NAT EXPERIENCE
Abdul Hamid Bin Bon (National Blood Bank Centre, Malaysia)

13.05 - 13.25  HAEMOVIGILANCE: MONITORING TRANSFUSION SAFETY
Yee Sin Leo (Tan Tock Seng Hospital, Singapore)

13.25 - 13.45  PANEL DISCUSSION AND QUESTIONS FROM THE AUDIENCE
Hua Shan (Johns Hopkins University, USA)
Tuesday December 3

14.00 - 15.30
Conference Hall 2
Clinical Platelets

Moderators: A. Hassan (Malaysia), M. Murphy (United Kingdom)

14.00 - 14.30
HEPARIN-INDUCED THROMBOCYTOPENIA
3C-S13-01
M. Kaneko
The University of Tokyo, Tokyo, Japan

14.30 - 15.00
AUTOIMMUNE THROMBOCYTOPENIA - NEW MECHANISMS AND THEIR RELEVANCE IN DIAGNOSIS AND TREATMENT
3C-S13-02
M. Kuwana
Keio University, Tokyo, Japan

15.00 - 15.10
CLINICAL IMPACT OF PLATELET TRANSFUSION ON THROMBOEMBOLISM IN PATIENTS WITH ACUTE HEPARIN-INDUCED THROMBOCYTOPENIA
3C-S13-03
S. Seguchi, T. Maeda, Y. Kanaumi, S. Kawamura, M. Kodama, T. Kawai, H. Okazaki, S. Miyata
National Cerebral and Cardiovascular Center, Osaka, Japan

15.10 - 15.20
AN EVALUATION OF TRANSFUSION RESPONSE IN PLATELET TRANSFUSION REFRACTORINESS USING PLATELET DONOR REGISTRY IN SHANGHAI
3C-S13-04
P. Lu, B. Ling, R.S. Li
Shanghai Blood Center, Shanghai, China

15.20 - 15.30
THE CLINICAL IMPACT OF ANTIBODIES AGAINST CD36 IN SOUTH CHINA
3C-S13-05
W. Xia, X. Xu, X. Ye, Y. Fu, J. Deng, J. Liu, H. Ding, Y. Chen, Y. Shao, J. Wang, H. Li, S. Santoso
Guangzhou blood center, Guangzhou, China

15.30 - 16.00
Coffee Break
Tuesday December 3

14.00 - 15.30
Conference Hall 1

Products and Components
Blood Component Therapy
Moderators: N.A. Samad (Malaysia), T. Burnouf (Taiwan)

14.00 - 14.30
3C-S14-01
DO WE REALLY NEED FFP? THE EVOLVING ROLE OF PF24 AND PRE-THAWED PLASMA
D. Devine
Canadian Blood Services, Vancouver, Canada

14.30 - 14.45
3C-S14-02
SOURCING CLINICAL PLASMA FROM MALE ONLY DONORS IN AUSTRALIA
S. Chesneau
Australian Red Cross Blood Service, Melbourne, Australia

14.45 - 15.00
3C-S14-03
LOWER RATE OF ADVERSE EVENTS WITH METHYLENE-BLUE TREATED PLASMA COMPARED WITH QUARANTINE STORED PLASMA
W. Nussbaumer, P. Mayersbach, H. Schennach
Univ.Hospital Innsbruck, Innsbruck, Austria

15.00 - 15.15
3C-S14-04
QUALITY OF PATHOGEN AND LEUKOCYTE INACTIVATED RBC COMPARED TO CONVENTIONAL AND GAMMA IRRADIATED RBC
A. Erickson, B. Donnelly, M.A. Schott, M. Palascak, R. Franco, F. Knutson, H. Lof, N. Mufti, A. Stassinopoulos
Cerus Corporation, Concord, United States of America

15.15 - 15.30
3C-S14-05
PREPARATION OF POOLED BUFFY-COAT PATHOGEN REDUCTION-TREATED PLATELET CONCENTRATES IN PLATELET ADDITIVE SOLUTION USING TOP AND BOTTOM METHOD
Hong Kong Red Cross Blood Transfusion Service, Hong Kong, China
Tuesday December 3

14.00 - 15.30

Conference Hall 3

Donors and Donation

Donor Management

Moderators: S. Phikulsod (Thailand), O. Torres (Argentina)

14.00 - 14.30

CURRENT ISSUES IN DONOR HEALTH AND SAFETY

3C-S15-01

C.K. Lin, C.K. Lee

Hong Kong Red Cross Blood Transfusion Service, Hong Kong

14.30 - 15.00

DONOR VIGILANCE - A GLOBAL UPDATE

3C-S15-02

J.C. Wiersum-Osselton

TRIP National hemo- and biovigilance office, The Hague, Netherlands

15.00 - 15.15

DEMOGRAPHIC PROFILE OF HIV DONORS WHO DONATED DURING THE SEROLOGICAL WINDOW PERIOD

3C-S15-03

K. Wooi-Seong, P.Y. Choo, N.L. Johari, E. Mah, A. Hassan, R. Hassan, Y.Ayob

National Blood Centre, Kuala Lumpur, Malaysia

15.15 - 15.30

A NATIONWIDE SURVEY ON KNOWLEDGE, ATTITUDE AND PRACTICES TOWARDS BLOOD DONATION IN PAKISTAN

3C-S15-04

H.A Zaheer, U. Waheed

Safe Blood Transfusion ProgrammeP, Islamabad, Pakistan

15.30 - 16.00

Coffee Break
Tuesday December 3

**16.00 - 17.30**

**Conference Hall 2**

**Clinical**

Dilemmas in Clinical Transfusion

*Moderators: A.L. Ang (Singapore), E. Zhiburt (Russia)*

**16.00 - 16.30**

**MANAGING THE PLATELET REFRACTORY PATIENT**

3D-S16-01

M.F. Murphy

NHS Blood & Transplant, Oxford, United Kingdom

**16.30 - 17.00**

**MANAGING BLEEDING IN CARDIAC SURGERY**

3D-S16-02

M.H. Ariff

National Heart Institute, Kuala Lumpur, Malaysia

**17.00 - 17.15**

**UNDERLYING PRECIPITANTS DO NOT INFLUENCE CLINICAL PRESENTATION OR THERAPY FOR TTP: DATA FROM THE AUSTRALIAN REGISTRY**

3D-S16-03


Monash University, Melbourne, Australia

**17.15 - 17.30**

**INTRAOPERATIVE BLOOD REQUIREMENTS DURING LIVING DONOR LIVER TRANSPLANTATION IN PEDIATRIC RECIPIENTS**

3D-S16-04

D. Sachan, N. Shanmugam, K. Kaliamaorthy, V. Srinivasan, J. Venkataraman, M. Rela

Global Health City, Chennai, India
Tuesday December 3

16.00 - 17.30
Conference Hall 1

Immunohematology
Granulocytes

Moderators: N. Tsuno (Japan), L. Fung (Australia)

16.00 - 16.30
ADVANCES IN GRANULOCYTE TEST METHODOLOGIES
3D-S17-01
M. Matsuhashi
The University of Tokyo, Tokyo, Japan

16.30 - 17.00
ITS NOT JUST ABOUT TRALI - THE CLINICAL SIGNIFICANCE OF NEUTROPHILS
3D-S17-02
Y.L. Fung, R.M. Minchinton
University of Queensland & The Prince Charles Hospital, Stafford Heights, Australia

17.00 - 17.15
TRALI: CHARACTERIZATION OF LEUCOCYTE ALLOANTIBODIES IN FEMALE VOLUNTEER BLOOD DONORS IN CHINA
3D-S17-03
W. Xia, D. Chen, J. Deng, X. Ye, Y. Fu, X. Xu, H. Li, Y. Chen, H. Ding, S. Santoso
Guangzhou Blood Center, Guangzhou, China

17.15 - 17.30
POLYMORPHIC HUMAN NEUTROPHIL ANTIGENS IN ETHNIC NORTHEAST THAIS
3D-S17-04
P. Simtong, A. Romphruk, C. Leelayuwat, A. Romphruk
Khon Kaen University, Khon Kaen, Thailand

19.30 - 22.30
Congress Banquet (Ballroom 1, Level 3)
Tuesday December 3

16.00 - 17.30  
Conference Hall  3  
Cellular Therapies  
Cell Therapy  
Moderators: S. Takamoto (Japan), P. Horn (Germany)

16.00 - 16.30  
3D-S18-01 
CHANGES TO ISBT 128 CELLULAR THERAPY TERMINOLOGY  
P.B. Distler, I. Slaper-Cortenbach, P. Ashford  
ICCBBA, San Bernardino, United States of America

16.30 - 16.45  
3D-S18-02 
SUCCESSFUL TREATMENT OF THERAPY-REFRACTORY ACUTE GRAFT-VERSUS-HOST DISEASE WITH MESENCHYMAL STEM CELL-DERIVED EXOSOMES  
University Hospital Essen, Essen, Germany

16.45 - 17.00  
3D-S18-03 
EVALUATION OF IMMUNOMODULATORY EFFECT OF MESENCHYMAL STEM CELLS ON MICE DENDRITIC CELLS MATURATION AND T-CELLS FUNCTION  
M.H. Karimi, L. Sadeghi, N. Azarpira, E. Kamali-Sarvestani, M. Shariati, S. Ebrahimnezhad  
Shiraz University of Medical Sciences, Transplant Research Center, Shiraz, Iran

17.00 - 17.15  
3D-S18-04 
MYELOID ZINC FINGER-1 (MZF-1) TRANSCRIPTIONALLY REGULATES CCN2 AND CCN3 IN THE HEMATOPOIETIC COMPARTMENT, WITH IMPORTANT IMPLICATIONS FOR BLOOD AND BONE MARROW DONATION  
N.H. Lents, R. Piszczatowski, B.J. Rafferty, A. Rozado, R. Connolly  
John Jay College, The City University of New York, New York, United States of America

17.15 - 17.30  
3D-S18-05 
EFFECTIVE THERAPY BY TRANSFUSING TGF-BETA-INDUCED FOXP3+ REGULATORY T CELLS EXPANDED BY TOLERGENIC DENDRITIC CELLS IN THE MODEL OF AUTOIMMUNE ARTHRITIS  
J. Yang  
Huashan Hospital, Shanghai Blood Center, Shanghai, China

19.30 - 22.30  
Congress Banquet (Ballroom 1, level 3)
Wednesday December 4

08.30 - 10.00
Plenary Theatre Auditorium

Organisation and Management
National Blood Programmes

Moderators: C.G. Lopez (Malaysia), R. Benjamin (USA)

08.30 - 09.00
SELF-SUFFICIENCY IN PDMP BASED ON VNRBD - AN ACHIEVABLE GOAL?
4A-S19-01
P. Flanagan
New Zealand Blood Service, Auckland, New Zealand

09.00 - 09.30
MANAGING A BLOOD PROGRAM WITH LIMITED RESOURCES IN NEPAL
4A-S19-02
M. Rajkarnikar
Nepal Red Cross Society, Kathmandu, Nepal

09.30 - 09.45
STEPWISE IMPLEMENTATION OF THE NATIONAL BLOOD PROGRAM IN CAMBODIA: A PARTNERSHIP APPROACH
4A-S19-03
H.K.C. Kimcheng
Cambodia National Blood Transfusion Service, Phnom Penh, Cambodia

09.45 - 10.00
HEALTH ECONOMIC ANALYSIS OF NUCLEIC ACID TECHNOLOGY TESTING IN INDONESIA
4A-S19-04
Y.S.M. Soedarmono
Indonesian Red Cross, Jakarta, Indonesia

10.00 - 10.30
Coffee Break (Lobby Plenary Theatre Auditorium)
Wednesday December 4

08.30 - 10.00
Conference Hall 3

Transfusion Transmitted Infectious Diseases
Arboviruses and the Blood Supply
Moderators: A. Hamid (Malaysia), S. Stramer (USA)

08.30 - 09.00
CURRENT EPIDEMIOLOGY AND CLINICAL PRACTICE IN ARBOVIRAL INFECTIONS - IMPLICATIONS ON BLOOD SUPPLY IN THE REGION
L. Yee-Sin
Tan Tock Seng Hospital, Singapore, Singapore

09.00 - 09.30
RISK REDUCTION STRATEGIES FOR TRANSFUSION-TRANSMISSIBLE ARBOVIRAL INFECTIONS
R.G. Seed
Australian Red Cross Blood Service, Perth, Australia

09.30 - 09.45
PREVALENCE OF SYMPTOMATIC DENGUE VIRUS INFECTION IN TRANSFUSED PATIENTS
Blood Systems Research Institute, San Francisco, United States of America

09.45 - 10.00
ANTI-TRYPANOSOMA CRUZI TEST AND QUESTIONNAIRE SURVEY IN JAPAN FOR BLOOD DONORS NATIVE OF LATIN AMERICA
S. Momose
Japanese Red Cross Kanto-Koshin’etsu Block Blood Center, Tokyo, Japan

10.00 - 10.30
Coffee Break (Lobby Auditorium)
Wednesday December 4

10.30 - 12.00
Plenary Theatre Auditorium

Plenary Session
It’s All About Blood Safety
Moderators: Y. Ayob (Malaysia), P. Flanagan (New Zealand)

10.30 - 11.00
INFECTIOUS RISKS: THE APPROACH TO RISK ESTIMATION AND SURVEILLANCE
M.P. Busch
Blood Systems Research Institute & University of California, San Francisco, United States of America

11.00 - 11.30
TRANSFUSION SAFETY IN THE HOSPITAL
M.F. Murphy
NHS Blood & Transplant, Oxford, United Kingdom

11.30 - 12.00
WHATS NEW WITH TRALI?
Y.L. Fung, J.P. Tung
University of Queensland & The Prince Charles Hospital, Stafford Heights, Australia

12.00 - 12.30
Closing Ceremony

12.30 - 13.30
Farewell Lunch (Lobby Auditorium)
Introducing the ISBT Library of Guidelines, Standards and Regulatory documents

Available now at the ISBT Academy e-learning portal

The newly available library of guidelines, standards and regulatory documents contains 292 documents from 25 countries or organisations.

The library can be found at the ISBT Academy e-learning portal and is available free to ISBT members. Documents can be accessed by country and by subject and a search facility is available. Documents are organised by six main subjects; donor, clinical, laboratory, quality/haemovigilance, processing and regulatory.

Access to individual documents is through a web link and the majority are free to download.
Posters

**Poster Area**
All accepted posters (publication and display) will be presented in the Exhibition Hall on the ground floor. A list of the posters on display can be found on page 67-68 and in the Congress Abstract book. The posters are set out according to the topic and the number of the abstract is displayed in the Abstract book, Mobile application and on the poster board. Posters will be on display in the poster area for 3 days and will also be open for viewing during Exhibition hours.

**Poster Mounting**
Posters can be mounted as of Sunday, December 1 at 08.30 hours.
- The number of your poster can be found in the Abstract book.
- Posters should be mounted with double sided tape only. Assistance and material for mounting the posters will be available from set-up time, at the poster desk in the poster area. Setting-up a poster generally takes at least 10 minutes.

**Opening hours Poster desk:**
- Sunday, December 1 08.30 - 21.00 hours
- Monday, December 2 07.30 - 18.30 hours
- Tuesday, December 3 08.00 - 18.00 hours

**Poster Session**
The Poster Session will be organised on Monday December 2, from 17.30 - 18.30 hours. All Poster authors are kindly requested to be present at their poster during the entire session. Snacks and drinks will be served. The Poster session is held to enable poster presenters to showcase their work. All delegates are invited to walk around the poster area to view the posters and to enter into lively and challenging discussion with the poster presenters

**Poster Material Removing**
Material should be taken on Tuesday, December 3 before 18.00 hours. Material that has not been taken down by the author(s) in time will be removed and destroyed.

**Responsibility for Poster Presentations**
The ISBT and the Local Organising Committee do not assume any responsibility for material displayed on the poster boards.
Posters

1. Management and Organisation
   1.1 Organisational Issues P-001 - P-002
   1.2 Information Technology P-003 - P-006
   1.3 Cost/Effectiveness P-007 - P-010
   1.4 Training and Education P-011 - P-016
   1.5 Risk Models Standards and Regulation P-017 - P-019
   1.6 Blood Supply Management and Utilization P-020 - P-027
   1.7 Quality Management P-028 - P-034

2. Blood Donation
   2.1 Blood Donor Recruitment P-035 - P-051
   2.2 Blood Collection including Apheresis P-052 - P-067
   2.3 Donor Adverse Events P-068 - P-076
   2.4 Rare Donor Programme P-077 - P-079

3. Blood Products
   3.1 Blood processing, storage and release P-080 - P-083
   3.2 Blood components P-084 - P-094
   3.3 Plasma products P-095 - P-098
   3.4 Pathogen inactivation P-099 - P-109
   3.5 Novel blood products P-110 - P-112

4. Transfusion Transmitted Infections
   4.1 Screening strategies for TTI P-113 - P-138
   4.2 Hepatitis B (HBV) P-139 - P-151
   4.3 Hepatitis C (HCV) P-152 - P-153
   4.4 HIV P-154 - P-158
   4.5 Bacteria P-159 - P-161
   4.6 Parasites P-162 - P-163
   4.7 Newly emerging pathogens and other transfusion related pathogens P-164 - P-166a

5. Immune Haematology
   5.1 Red Cell Immunology: Serology P-167 - P-197
   5.2 Red Cell Immunology: Molecular P-198 - P-202
   5.3 Platelet Immunology P-203 - P-212
   5.4 Granulocyte immunology P-213 - P-216
   5.5 Fetal-Maternal Immunology P-217
6. **Clinical Transfusion**
   6.1 Neonatal and Pediatric Transfusion P-218 - P-220
   6.2 Therapeutic Apheresis P-221 - P-222
   6.3 Evidence Based Transfusion Medicine Practice P-223 - P-232
   6.4 Haemorrhage and massive transfusion P-233
   6.5 Adverse events, including TRALI P-234 - P-235
   6.6 Haemovigilance and transfusion safety P-236 - P-241

7. **Cellular Therapies**
   7.1 Stem Cell and Tissue Banking, incl. Cord Blood P-242 - P-251
   7.2 Collection, Processing, Storage and Release P-252 - P-253
   7.3 Clinical Applications P-254

8. **Clinical Immunogenetics**
   8.1 HLA in transfusion medicine P-255 - P-258
   8.2 Histocompatibility in stem cell transplantation P-259 - P-260
   8.3 Histocompatibility in organ transplantation P-261 - P-266
Key Information

Congress Venue
Kuala Lumpur Convention Centre
Kuala Lumpur City Centre
50088 Kuala Lumpur
T +60 (3) 2333 2888
F +60 (3) 2333 2882
Website: www.klccconventioncentre.com

Registration Hours
The registration desk will be open as of Sunday, December 1 at the KLCC, Level 3:

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<td>Wednesday</td>
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Exhibition hours:

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<td>18.45 - 21.00</td>
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<tr>
<td>Monday</td>
<td>December 2</td>
<td>09.00 - 19.00</td>
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<tr>
<td>Tuesday</td>
<td>December 3</td>
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Services provided at desks in the Registration Area include:

- Exhibition Information: Exhibition Desk on the ground floor (next to the entrance of the Exhibition)
- Hotel Accommodation: Last-minute availability at the Hotel Desk in the Registration Area
- Lost and Found: Registration desk
- Messages: Registration desk
- Social Ticket desk: Tickets for sale at the Social Desk in the Registration Area
- Restaurant reservations: Information Desk in the Registration Area

Badges
All participants and accompanying persons will receive a personal badge upon registration. You are kindly requested to wear your name badge at all times, during scientific meetings and social gatherings. Only participants who are wearing their name badge will be admitted to the lecture halls.

Please note: accompanying persons and exhibitors will not be admitted to the scientific sessions. Accompanying persons do not have free access to the Exhibition.
**Name badges have been color-coded as follows:**

- ISBT Member: Red
- ISBT Non-Member: Transparent
- Accompanying Persons: Yellow
- Exhibitors: Blue
- Press: Orange

**Coffee and tea breaks**

During session-breaks coffee and tea will be served free of charge to delegates wearing name badges on the Exhibition floor.

**Insurance**

The congress organizer cannot accept responsibility for accidents that might occur. Delegates are encouraged to obtain travel insurance (medical, personal accident and luggage) in their home country prior to departure.

**Internet**

There will be 2 internet corners in the Exhibition Area where participants will be able to get access to their mail. Wireless internet connection is available on Level 3 and in most hotels.

**Language**

The official Congress language will be English.

**Lunch**

Lunch is included in the registration fee and will be provided in the Exhibition Area and at the entrance of the meeting rooms where the Satellite Symposia will take place.

**Staff**

If you have any questions, the members of the congress staff, who can be recognised by their blue ISBT shirts, will be very pleased to assist you. Please do not hesitate to contact them if you have any questions.
General Information

**Time**
Kuala Lumpur is in the Malaysia Time Zone (MYT).

**Weather**
Malaysia’s year-round tropical weather has sunny days with occasional rainfall and the average temperature ranges from 22°C to 32°C.

**Dress Code**
Business attire is most appropriate for attending conference and business functions. For sightseeing or shopping, light cotton clothing is advised. Most malls and restaurants are air-conditioned.

**Currency and Exchange**
The Malaysian currency is Ringgit Malaysia (RM) which comes in notes and coins. Major currencies can be exchanged at most hotels, banks and licensed money changers. One Ringgit Malaysia is approximately USD 0.32 and 0.25 Euro cent.

**Banking**
Generally banking hours in Malaysia are from 9.00 - 16.30 hours (Mondays - Fridays), although some banks may extend their banking hours occasionally. Automated Teller Machines (ATM) are available in convenient locations throughout the country. All the main credit cards are accepted in major institutions and in an ever growing number of shops and restaurants.

**Electricity supply**
220–240V AC at 50 cycles per second. Standard UK-type three pin plugs are used. You are advised to bring your adapter.

**Hotel Check in/out Policy**
Standard check in time at hotels is 14.00 hours. Check-out time is 12.00 hours. Should you need a guaranteed early arrival (before 14.00 hours) or a late departure (after 12.00 hours), an additional night is required to be booked and paid for.

**Medical care**
Medical services are available in all towns at government run hospitals and private clinics. Non-prescription drugs are available at pharmacies as well as supermarkets, hotels and shopping centres.
Smoking
Federal regulations establish that smoking is prohibited in all indoor public spaces.

Shopping
Malaysia is a genuine shopper’s paradise. Many popular international brands have their stores in one of the malls in Kuala Lumpur. Products range from luxurious designer clothing and accessories to exclusive bags, watches, trendy footwear and every type of electronic equipment imaginable.

Security
Many national governments provide a regularly updated advice service on safety issues involved with international travel. We recommend that you check your government’s advice for their latest travel information before departure. Always be wary of your personal belongings when you travel through Malaysia or anywhere in the world.

Tipping
It is unnecessary in hotels and restaurants where there is already a 10% service charge, unless the services rendered are exceptionally good. If you are on a tour or a transfer, tipping is an expression of satisfaction and is a welcome gratuity for the person(s) who have assisted you throughout.

Tap water
Water is generally safe to be consumed from the tap, although it is advised to drink bottled water.
Transportation in Kuala Lumpur

Transportation within Kuala Lumpur Light Rail Train (LRT)
The Light Rail Transit (LRT) covers a distance of 12km and consists of 13 stations. Daily operating hours are between 06.00 - 24.00 hours. Season tickets can be purchased at any LRT station.

Monorail
The Kuala Lumpur Monorail system in Malaysia serves 11 stations running 8.6 km and its route starts from Titiwangsa Station to the KL Sentral Station. Daily operation hours are 06.00 to 24.00 hours and it is operating at 3-minute intervals.

Commuter Trains
KTM Komuter operates speedy electric train services from the KL railway station to designated points within the city as well as to Port Klang, Seremban, Kajang and Rawang.

City Buses
Major bus line services the city and sub-urban areas is “Rapid KL”.

Go-KL City Bus
A FREE bus service for both visitors and residents of Kuala Lumpur. Air-conditioned purple and green buses cruise two circular routes covering many of the main sight-seeing attractions in the heart of the city. The buses run at 5 minute intervals at peak periods and every 15 minutes at other times and operate from 6am until 11pm. Please log-in to http://www.malaysia-traveller.com/KL-City-Bus.html for more details.

Taxis
All taxis in Kuala Lumpur are fitted with meters and can be hailed at designated taxi stands or booked through phone.

Car Rental
Cars can be hired from car rental agencies. Drivers must be in possession of a valid international driving license. Drivers must always drive on the left side of the road.
Social Programme

Sunday, December 1

17.45 - 18.45 hours
Plenary Hall Auditorium

Opening Ceremony

All delegates and exhibitors are welcome to attend

17.45 - 18.00  Welcome address by Peter Flanagan, ISBT President
18.00 - 18.15  Welcome address by Dato’ Yasmin Ayob, Congress president
18.15 - 18.25  Welcome address by the Minister of Health
18.25 - 18.30  Presentation of the Talking Stick by the ISBT President to the Congress President
18.30 - 18.40  Cultural Dance
The dance will present a radiant display of the many facets of the Malaysian multi-racial-multi-cultural uniqueness. Delegates will be enthralled by the harmonious combination and presentation of a variety of colours, costumes, music, dances of the different races and cultures.

18.40  All delegates are invited to proceed to the Welcome Reception in the Exhibition Hall
Sunday, December 1

18.45 - 21.00 hours
Exhibition hall

Opening of the Trade Exhibition
and Welcome Reception

A welcome reception will be held at the Exhibition Area. The reception will permit the delegates to meet old friends and colleagues and make new acquaintances during the evening while enjoying conversations.

Delegates are welcomed by the President of the ISBT and the Chairman of the Local Organising Committee.
Tuesday, December 3

19.30 - 22.30 hours
Ballroom 1 on Level 3

Congress Banquet

Price: € 50 per person

A buffet-dinner for delegates to enjoy the local delights and the famous Malaysian hawker food in a five-star setting. Guests can also enjoy the unique Malaysian Cultural Showcase and try their hands at Batik painting, Songket weaving, wood carving, pewter smithing and many other activities planned for the night.

All attendees of the Congress Banquet will be given a free Malaysian batik sarong. A beautiful present awaits the one who can put it on in the most innovative way.

Please join us for the Congress Banquet!
Monday, December 2

09.00 - 13.00 hours
Departure: Main entrance of the KLCC (Aquaria entrance facing Jalan Pinang)

The best of Kuala Lumpur

*Included in the registration fee for accompanying persons*
*Price for delegates: € 50*

Kuala Lumpur’s interesting and colourful historical beginnings give visitors the opportunity to experience the ambience of present and by-gone eras. You will be fascinated with the city’s unique blend of cultures, colourful rural and urban lifestyles, architectural influences; a touch of nature, fine traditional arts and crafts will fascinate you.

Overall conditions, reservations, payments and cancellation policies:
- The tour has been specially designed for the 24th Regional Congress of the ISBT and will be made in private buses with air conditioning. There will be an English speaking official guide.
- Full payment is required at time of reservation
- Pre-booked tickets will be included in the delegates personal envelope, which will be handed over upon registration. Additional tickets may be purchased onsite at the tour desk in the Registration area, however, subject to availability and time.
Immucor pushes science forward so that a patient anywhere in need of blood, organs or stem cells receives the right match that is safe, accessible and affordable.

The result is life changing for a patient facing transfusion or transplantation.

Our new look illustrates the right match of donors with patients in need of blood or organs, and Immucor’s partnership with healthcare organizations in need of innovation and productivity.

With the right match, we can transform a life together.

Visit ISBT Kuala Lumpur Booth 810 to meet the new Immucor

www.immucor.com
Floor Plan
Level 3
## List of Exhibitors

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832    United Italian Trading (M) Sdn Bhd
Abbott is a global leader in in vitro diagnostics and offers a broad range of innovative instrument systems and tests for hospitals, reference labs, molecular labs, blood banks, physician offices and clinics. With more than 22,000 customers in more than 100 countries, Abbott's diagnostic products offer customers automation, convenience, bedside testing, cost effectiveness, and flexibility. Abbott has helped transform the practice of medical diagnosis from an art to a science through the company's commitment to improving patient care and lowering costs.

Aikang MedTech is developing, designing, manufacturing and marketing automated systems for blood grouping with gelcards and microplates, automated Elisa processing systems for low, medium and high throughput and automated sample processing systems / robotic pipetting systems
The development of modern laboratory centrifuges is closely linked to the history of the Hettich-Zentrifugen company. Hettich’s roots go back more than one hundred years. Today’s product range comprises a complete program of centrifuges for virtually every centrifuging task required in practice: e.g. microlitre, hematocrit, benchtop, underbench, floorstanding, blood bank, robotic centrifuges, refrigerated and non-refrigerated as well as cell washers.

Asahi Kasei Medical is a world leader in research, development, and production of medical devices for blood treatment and purification. Asahi Kasei Medical, a pioneer in leukoreduction, is also one of the world leading suppliers of virus removal filters for biopharmaceuticals. Our core competence is based on unique and advanced membrane separation and adsorption technologies that enable to present innovative solutions of a wide range of Sepacell™ filters for whole blood, red cells and platelets for your various needs.
511 Ashland Inc.
1361 Alps Road
07470 Wayne, NJ
United States of America

Contact: Rosemarie Fairman
T: +1 973 628 3383 F: +1 973 628 4185
E: rfairman@ashland.com
W: www.radsure.com

Radiation indicator and dosimetry products, manufactured and marketed by Ashland, provide a
two-part quality system to assure compliance with regulations on blood irradiation: (1) RAD-
SURETM Blood Irradiation Indicators, with ISBT 128 bar coded lot numbers, attach to individual
units of blood to provide positive, visual verification of treatment before and after each irradiation
cycle; (2) DOSE-MAPTM measures and maps the absorbed dose to validate the performance of
blood irradiators. RAD-SURETM UVA indicators are also available.

820 AusBio Laboratories Co. Ltd
No. 2 Huashan Road Yantai ETDZ
264006 Yantai
China

Contact: Dr. Johnson Wang
T: +86 5356 389 000 F: +86 5356 371 733
E: ausbio@ausbio.com
W: www.ausbio.com

AusBio has been present in the diagnostic market in China for more than 20 years. We are the
leading company for automated diagnostic workflows and liquid handling in blood banks.
AusBio’s recently introduced washing technology replaces aspiration by centrifugation for ELISA
and CLIA assays. This allows to upgrade from 96 to 384 (even 1536) well format. Together with
our Singleplex ELISA assays we open the way for new and powerful new diagnostic tools. In
addition, the new technology is the basis for a new gel based high throughput blood typing
technology (AusCATor BB) on the basis of 384 well plates.
701 Barkey GmbH & Co. KG
Gewerbestrasse 8
D-33818 Leopoldshoehe
Germany

Contact: Chris Barkey
T: +49 520 298 010          F: +49 520 298 0177
E: info@barkey.de
W: www.barkey.de

Barkey is a leading German company for thawing plasma, warming blood and stem cells technologies.
For more than 30 years we develop warming products for blood banks and hospitals.
Please come and see the latest version of Barkey plasmatherm. The only plasma thawing device worldwide which meet the latest FDA/AABB standards(2011). Quality made in GERMANY

623 Best Theratronics Ltd
413 March Road
K2K 0E4 Ottawa
Canada

Contact: Dan Aitkenhead
T: +1 613 591 2100          F: +1 613 591 6627
E: info@theratronics.com
W: www.theratronics.com

Best Theratronics is the world’s leading manufacturer of blood and research irradiators. Offering both gamma and x-ray, we have a long history of reliability, support and high-quality products. The Gammacell 1000 & 3000 prevents graft-versus-host disease and are considered the “Gold Standard” in countless clinics worldwide. Our Raycell Mk2 dual x-ray tubes deliver unparalleled dose uniformity across its 2.0L and 3.5L canisters. The Gammacell 40 is the industry’s preferential research irradiator, making it a welcome addition to any research lab.
210 Bio-Rad
3 bd Raymond Poincaré
92430 Marnes-la-Coquette
France

Contact: Guillaume Camard
T: +33 (1) 479 562 61         F: +33 (1) 479 581 40
E: guillaume.camard@bio-rad.com
W: www.bio-rad.com/diagnostics

Bio-Rad Laboratories, Inc. (NYSE : BIO) and (NYSE : BIO.B) has remained at the center of scientific discovery for more than 60 years, manufacturing and distributing a broad range of products for the life science research and clinical diagnostic markets. The company is renowned worldwide among hospitals, universities, major research institutions, as well as biotechnology and pharmaceutical companies for its commitment to quality and customer service. Founded in 1952, Bio-Rad is headquartered in Hercules, California, and serves more than 100,000 research and industry customers worldwide through its global network of operations.

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Via F. Matteucci 25/27
20862 Arcore (MB)
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Contact: Roberto Ferron
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W: www.delcon.it

Delcon is leading manufacturers of blood bank equipment such as automatic blood components extractors, blood collection monitors, tube sealers, refrigerators and lab freezers. Our products are sold all over the world since the year 2001. Delcon is certified UNI EN ISO 13485:2008 AND 9001:2004 since the year 2000 as manufacturer of Medical Devices.
222  Demophorius Healthcare
196 Archbishop Makarios Ave. III
3030 Lemesos
Cyprus

Contact: Sakis Papaspyrou
T: +357 257 498 96   F: +357 257 499 07
E: info@demophorius.com
W: www.demophorius.com

Demophorius Healthcare is a British owned company established in 1996 which offers a wide range of Medical Related Products. Demotek blood bags have achieved to be branded among the top brands due to the company’s commitment to the manufacture of high quality products.

The steady gradual growth is secured by continues product development, affordable pricing, customer service and support.

We continuously strive to satisfy customer’s needs and to improve the safety and quality of healthcare, by offering the best.

220  Diagast
251, avenue Eugène Avinée
59120 Loos
France

Contact: Cedric Debonte, Director, International Business
Rajkumar Singh, Marketing Director
T: +33 320 965 353   F: +33 320 965 354
E: contact@diagast.com
W: www.diagast.com

DIAGAST is an Immunohaematology (IH) automation leader in Asia.

We develop, manufacture and market innovative IH reagents and systems for blood banks & transfusion centers and public & private laboratories.

We welcome you to our booth 220 to discover:
- QWALYS® 3, a high performance blood grouping automated system based on E.M.® Technology. With QWALYS®, you can perform easily your IH tests (Grouping, Phenotyping, Weak-D and Antigens Screening, Antibody Screening, Crossmatch, Direct Coombs).
- The manual CE-mark ready-to-use reagents
- The PK CE-mark ready-to-use reagents (for PK automated systems)
- The F.F.MU. range (from concentrated bulk to fully customized products)
510 Diasorin S.p.A
Via Crescentino
13040 Saluggia (Vercelli)
Italy

Contact: Luigi Nava
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E: luigi.nava@diasorin.it / valentina.spadaro@contractor.diasorin.it
W: www.diasorin.com

Headquartered in Italy, DiaSorin is a global leader in the field of immunodiagnostics. For over 40 years the company has been developing, producing and marketing reagent kits for in vitro diagnostics worldwide. It comprises of 29 companies, 6 industrial sites and 6 research facilities. DiaSorin line of products used by diagnostic laboratories can meet the needs of the following clinical areas: infectious diseases, hepatitis and retrovirus, bone metabolism, oncology and endocrinology, cardiac markers, stool diagnostics. DiaSorin recently has introduce its new molecular offering.

330 Dometic Medical Systems
17, Op der Hei
9809 Hosingen
Luxembourg

Contact: Silvia Pereira
T: +352 920 731 - 1
E: medical.systems@dometic.lu
W: www.dometic.lu

Dometic Medical Systems is specialized in research, development and manufacturing of special refrigerators, deep freezers, storage & transport concepts. Dometic’s product family “Blood Safety” comprises different activities from collection to transfusion. With the “Blood Cold Chain”, a comprehensive mix of products which strictly observes international standards, blood is kept safe through precisely temperature controlled transport and storage solutions. The newly developed Blood Traceability system “Dometic powered by Biolog” with RFID technology, provides a complete traceability and identification of RBCC’s and avoids retranscription errors.
**320 Fresenius Kabi Asia Pacific Ltd.**

50th Floor, Sun Hung Kai Centre
30 Harbour Road, Wanchai
Hong Kong
Hong Kong

Contact: Mr. Sangho Kim
T: +852 2152 1300         F: +852 2116 3420
W: www.fresenius-kabi.com

Fresenius Kabi is a leading international health care company focusing on products for the therapy and care of critically and chronically ill patients inside and outside the hospital. We develop, produce and market pharmaceuticals and medical devices. Our product portfolio comprises a comprehensive range of I.V. generic drugs, infusion therapies and clinical nutrition products as well as the medical devices for administering these products. Within transfusion technologies, Fresenius Kabi offers products for whole blood collection and processing as well as for transfusion medicine and cell therapies.

With our corporate philosophy of “caring for life”, we are committed to supporting medical professionals in the best therapy of patients. For more information, visit www.fresenius-kabi.com

**620 Gamma-Service Medical GmbH**

Bautzner Strasse 67
D-04347 Leipzig
Germany

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E: contact@gamma-medical.de
W: www.gamma-medical.de

Gamma-Service Medical GmbH is a global active isotope technology company. We are manufacturer of equipment like the self-contained Gamma Irradiation device BIOBEAM for Blood Irradiation.

Our quality management system is certified according to EN ISO 13485: 2003 and AC: 2009.
420 Grifols
Parc Empresarial Can Sant Joan, Av. De la Generalitat, 152-158
08174 Sant Cugat del Vallès - Barcelona
Spain

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E: marketing.diagnostic@grifols.com
W: www.grifols.com

Grifols has been present in the healthcare field since 1940, creating innovative products and services based on our ethical values and responsibility. Grifols' activities focus on fulfilling the needs of healthcare professionals working in therapeutics, pharmacy, diagnostics and blood banking. Grifols, a company committed to Transfusion Medicine, focuses on safety and quality from donation to transfusion. In the field of blood banking Grifols offers standard blood bags, leukoreduction systems (Leucored®), inactivated plasma for transfusion, blood typing reagents and instruments such as WADiana® and Erytra®, 8-column DG Gel® cards, lateral flow MDmulticard®, BLOODchip® for blood genotyping, and hemovigilance software tools. For more than 60 years, Grifols has developed, manufactured and marketed products of demonstrated efficacy, quality and safety contributing to improve human health, life expectancy and quality of life.

710 Haemonetics
p/a Haemonetics (Hong Kong) Limited
Room 2202 Harbour Center
25 Harbour Road
Wanchai, Hong Kong
Hong Kong SAR - China

T: +852 2868 9218 F: +852 2801 4380
E: i.ananto@haemonetics.com
W: www.haemonetics.com

Haemonetics (NYSE: HAE) is a global healthcare company dedicated to providing innovative blood management solutions for our customers. Together, our devices and consumables, IT products, and consulting services deliver a suite of business solutions to help our customers improve clinical outcomes and reduce the cost of healthcare for blood collectors, hospitals, and patients around the world. Our technologies address important medical markets: blood and plasma component collection, the surgical suite, and hospital transfusion services.
To learn more: www.haemonetics.com
624 Helmer Scientific  
14400 Bergen Boulevard  
46060 Noblesville, IN  
United States of America  

Contact: Richard Forero  
T: +1 317 773 9073  
F: +1 317 776 9527  
E: rforero@helmerinc.com  
W: www.helmerinc.com  

Established in 1977, Helmer is a manufacturer and worldwide distributor of high quality laboratory equipment and refrigerated products for the Blood Bank and Clinical Laboratory. We have combined our experience and innovation to bring you the most advanced line of temperature controlled equipment today. Our products include: Platelet Storage Systems, Plasma Thawing Systems, Cell Washing Systems, Blood Bank and Laboratory Refrigerators, and Plasma Storage and Laboratory Freezers. For more information, visit our website at www.helmerinc.com.

805 Hemasoft  
Route de Crassier, 7  
CH-1262 Eysins  
Switzerland  

Contact: Bruno Rousselin  
T: +41 225 951 268  
F: +41 225 956 700  
E: Bruno.rousselin@hemasoft.com  
W: www.hemasoft.com  

Hemasoft is an International IT Company specialized in designing, developing and implementing software solutions for Blood Donor Centers, Blood Banks, Transfusion Services, Cell Therapy Labs and Tissue Banks. e-Delphyn © provides transfusion facilities with a full Arm-to-Arm traceability from Donor Recruitment and Collection to Patient Transfusion Confirmation at the bed side. Our Web-enabled software suite e-Delphyn © has been developed with Blood Bankers according to international requirements and regulations. Recognized for its features and functionality, e-Delphyn © is now deployed and used in more than 600 locations in 50 different countries supporting multiple languages such as English, Arabic, Chinese, French and many others. With National deployments of the application in several countries, e-Delphyn positions itself as one of the best management solutions for transfusion medicine, cell therapy and tissue banking.
HemoCue AB
Kuvettgatan 1
SE-262 71 Ängelholm
Sweden

Contact: Pia Åberg
T: +46 431 481 200  F: +46 431 481 225
E: info@hemocue.se
W: www.hemocue.com

HemoCue is a global leader in a field of diagnostics known as near patient, or point-of-care, testing. In 1982, HemoCue AB, based in Ängelholm, Sweden, introduced the first system making accurate hemoglobin testing possible in near-patient settings. Since then, more than 350,000 HemoCue systems have been sold worldwide. The company also sells point-of-care tests for glucose, urine albumin, HbA1c, total and differential white blood cell count. HemoCue subsidiaries, affiliates, franchises, and third-party distributors generate revenue in more than 130 countries worldwide. HemoCue was acquired by Radiometer, a Danaher company, in April 2013.

ICCBBA
P.O. Box 11309
92423-1309 San Bernardino, CA
United States of America

Contact: Mrs. Pat Distler or Mr. Erwin Cabana
T: +1 909 793 6516  F: +1 909 793 6214
E: iccbba@iccbba.org
W: www.iccbba.org

ISBT 128 is the international Information Standard for Blood and Transplant. It provides standard terminology, identification, labeling, and information transfer of blood, cellular therapy, tissue and organ products across international borders and disparate health care systems. The standard has been designed to ensure the highest levels of accuracy, safety, and efficiency for the benefit of donors, patients, and ISBT 128 licensed facilities worldwide.
810 Immucor, Inc.
3130 Gateway Drive
30091 Norcross, GA
United States of America

Contact: Christie Otis – Director, Worldwide Marketing
T: +1 770 441 2051
F: +1 770 441 3807
E: info@immucor.com
W: www.immucor.com

Immucor is a global leader in immunohematology, providing a complete line of traditional serology reagents, unique specialty products and fully automated instruments. Our fully automated Scalable Solutions include the Echo®: for small- to medium-sized laboratories, and NEO®: for larger laboratories. Our new ImmuLINK™ data management software networks Immucor solutions to improve turnaround time, workflow and efficiency. Our innovative molecular immunohematology assays provide state-of-the-art technology for donor and patient testing. The BioArray product line includes four assays for red cell and platelet extended antigen typing by DNA analysis. Now a part of Immucor, LIFECODES brings a market-leading position in HLA testing for transplantation labs as well as specialty solutions for platelet-focused testing in transfusion and coagulation.

601 International Society of Blood Transfusion
Marnixstraat 317
1016 TB Amsterdam
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F: +31 207 601 761
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W: www.isbtweb.org

ISBT is a society which is facilitating knowledge about transfusion medicine to serve the interests of donors and patients. With more than 1300 members in 101 different countries, ISBT is a truly global society.

As the organiser of the 24th Regional Congress we are more than happy to inform you about ISBT, and its activities including membership of the 15 working parties, and our future congresses. You can see the library of guidelines and standards and sign up for membership. Visit us at stand 601.
531 JMS Singapore PTE Ltd
440 Ang Mo Kio Industrial Park 1
569620 Singapore
Singapore

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W: www.jmss.com.sg

As a world leading manufacturer and supplier of medical disposables, we offer a wide range of high quality products for Infusion and Transfusion Therapy, Dialysis, Blood Banking and Medical Equipment.
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Shinagawa Intercity Tower B, 9th Floor, 2-15-2, Konan, Minato-ku
108-6109 Tokyo
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113-0033 Tokyo
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Contact: Koichi Tsunoda
T: +81 338 151 331 F: +81 338 142 574
E: f-trade@kubotacorp.co.jp
W: www.centrifuge.jp

KUBOTA is a leading laboratory centrifuge manufacturing company in Japan. Based on its long history and close relationship with its customers, KUBOTA has the deepest level of understanding of the centrifuge market not only in Japan but world-wide. Using its advanced technologies and expertise, Kubota has provided customers with new products and innovative functions.

511 LMB Soft d.o.o
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18000 Nis
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Contact: Dragan Jankovic
T: +381 (0) 1857 7640 F: + 381 (0)1857 7640, ext 13
E: dragan.jankovic@lmbsoft.rs
W: www.lmbsoft.rs

Lmb Soft is the specialist for hardware and software development of high-tech solutions in the field of blood banking. The core product line of blood separators was designed with an outstanding degree of excellence, depending on the long experience and profound know-how if its employees: LUXOmatic, NOVOmatic, Dualpress, Sepamatic SL and Mikromatic.
511 LMB Technologie GmbH
Möslstraße 17
D-85445 Schwaig
Germany

Contact: Klaus Jentsch
T: +49 (0) 8122 880 960       F: +49 (0) 8122 880 9660
E: info@lmb.de
W: www.lmb.de

For more than 30 years, Lmb is a reliable partner for products used in blood banks and transfusion centres. The portfolio covers solutions for blood separation, blood donation, transport and storage of blood and beyond that individual, customized developments. Latest innovations such as ErySep (blood separation without machinery) and NBM200 (non-invasive hemoglobin measurement) set a milestone to Lmb’s portfolio.

110 Macopharma
200 Chaussée Fernand Forest
59200 Tourcoing
France

Contact: Véronique Lutun
T: +33 320 118 400
E: transfusion@macopharma.com
W: www.macopharma.com

Macopharma is a leading worldwide manufacturer of medical devices for transfusion, infusion and biotheraphy.
Within the field of blood processing Macopharma with its extensive experience offers innovative solutions from blood collection through component processing to patient transfusion.
Investments in research and development as well as partnerships with blood centers, universities and biotechnology companies enable Macopharma to provide inventive solutions for pathogen reduction as well as for the expanding field of cell therapy.
520 Mak-System
26 rue Jean l’aveugle
L-1148 Luxembourg
Luxembourg

Contact: Mr Clément Glinkowski
T: +33 148 632 727
E: c.glinkowski@mak-system.net
W: www.mak-system.com

Since 1984, MAK-SYSTEM International Group has specialized in designing innovative software that deliver superior functionality to Blood Banks, Transfusion Services, Cell Therapy Labs, Cord Blood Banks, Plasma Centers, and Tissue Banks. With more than 1200 software installation in 60 countries, MAK-SYSTEM is uniquely positioned to provide services with the most comprehensive combination of software functionality, services and technology solutions to safeguard and optimize your process.

201 Masimo Corporation
40 Parker
92618 Irvine, CA
United States of America

Contact: Gary Marston
T: +1 949 297 7000
W: www.masimo.com

Masimo is a global medical technology company that develops and manufactures innovative noninvasive patient monitoring technologies, including medical devices and a wide array of sensors. A key medical technology innovator, Masimo is responsible for the invention of award-winning noninvasive technologies that are revolutionizing patient monitoring, including Masimo SET® pulse oximetry, Masimo rainbow® noninvasive and continuous total hemoglobin (SpHb®), acoustic respiration rate (RRa™), Masimo Patient SafetyNet™, SedLine® (EEG-based) Brain Function Monitors, and Phasein™ respiratory monitors.
MBR Optical Systems GmbH & Co. KG
Hölker Feld 5
D-42279 Wuppertal
Germany

Contact: Doris Andernach-Schröder
T: +49 202 647 4550  F: +49 202 647 4560
E: dandernach@mbr-os.com
W: www.mbr-os.com

MBR Optical Systems GmbH & Co. KG is a medical device manufacturer, who was founded 2007 in Germany. MBR is the world’s first manufacturer of non-invasive blood meters, which use reflection spectroscopy to quantitatively measure of blood parameters. Our product “haemospect” is a high class device for non-invasive measurement of blood haemoglobin levels, particularly suitable for Donor screening in Blood Donor Centres.

Merck Millpore
p/a Merck Chemicals (Shanghai) Co., Ltd.
2nd Floor, Building 2, No. 88 Chenhui Road, JinDie Software Park, Zhangjiang Hi-Tech Park, Pudong
201203 Shanghai
China

Contact: Wei Zhu
T: +86 1378 895 4409  F: +86 0215 080 1828
E: wei.zhu@merckgroup.com
W: www.merckmillipore.com/diagnostics

For more than 25 years Merck Millipore has been leading the development of monoclonal antibodies for the blood typing market. We offer the largest stable of human IgM monoclonal antibodies available today. Our ISO-certified and FDA-licensed state-of-the-art cGMP manufacturing facilities and experienced personnel enable us to stay in the forefront of this industry.
834 MTC Invitro Diagnostics AG
Ampèrestr. 2a
D-64625 Bensheim
Germany

Contact: María del Pilar Barrientos
T: +49 6251 848 290 F: +49 6251 848 298 80
E: cidd@mtcinvitro.com
W: www.mtcinvitro.com

MTC – Micro Typing Concepts – is specialized in blood grouping applications and provides innovative products for blood bank professionals in all global markets. MTC INVITRO will present its newest line of INVITROLYZER instruments for automated immunohematology dedicated to its INVITROGEL TEST SYSTEM with 6 column and 8 column gel cards, microplates and the next generation of INVITROFLOW lateral flow blood grouping cards. With new features for hybrid solutions MTC INVITRO introduces a quantum leap in immunohematology.

830 Nanjing Shuangwei Biotechnology Co., Ltd.
New and high Technology Industry Development Zone
210061 Nanjing
China

Contact: Mr. Yaochun, Wu
T: +86 2558 847 598 F: +86 2558 745 107
E: sale@shuangweibio.com
W: www.shuanwgeibio.com

Since 1993, Nanjing Shuangwei Biotechnology has been specialized in the field of high-tech hematology products and dedicated to reducing risks of blood transfusion with advanced filtration technologies. Our complete range of CE-marked leukocyte reduction filters have been widely used in more than 18 countries and enjoy a good reputation through good quality and after-sales service. As a reliable supplier of high performance in-line filters (soft and hard housing), Shuangwei has established strategic cooperation relationship with many famous blood bag manufacturers around the world. Our pathogen inactivation (methylene blue) system for plasma will be used by more and more blood centers soon.
**410 Novartis Diagnostics**

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94608-2916 Emeryville, CA  
United States of America  

T: +1 800 524 4766  
W: www.novartisdiagnostics.com

At Novartis Diagnostics, those who depend on a safe blood supply for their medical care and survival are at the center of all that we do. Building on a legacy of scientific discovery and dedication, Novartis Diagnostics is committed to protecting patients with an increasingly broad range of solutions designed to help reduce – and one day eradicate - transfusion risk. Blood banks and plasma fractionators in more than 40 countries trust our Procleix NAT systems to efficiently screen millions of units of blood and plasma for infectious diseases prior to medical use. Learn more at www.novartisdiagnostics.com.

**610 Roche**

4300 Hacienda Drive  
94588 Pleasanton, CA  
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Contact: Donna Ruby  
T: +1 925 730 8491  
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W: www.roche.com

Headquartered in Basel, Switzerland, Roche is a leader in research-focused healthcare with combined strengths in pharmaceuticals and diagnostics. Roche is the world’s leader of in-vitro diagnostics (IVD), with proven nucleic acid amplification technology (NAT) expertise in blood screening.

Roche is recognized for highly flexible and efficient pre-analytical and analytical testing solutions on cobas® platforms for commercial, hospital, blood bank and source plasma laboratories of all sizes. Roche offers a comprehensive blood safety solution including NAT, Serology*, Pre-Analytics and Chemistry modules.

To learn more about Roche’s expanded solutions portfolio for blood screening, please stop by our booth (610) and explore how we innovate healthcare!

To check availability of products within your country or for more information, please contact your local Roche representative.

* in selected countries
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11259 Taipei City
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T: +886 228 765 958 F: +886 287 659 55
E: office@safetran.com.tw
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We are committed to be a first-class provider of safe and high quality transfusion products. We
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T: +61 (0)730 881 602 F: +61 (0)730 881 614
E: sales-asia-pacific@sequenom.com
W: www.sequenom.com

Sequenom designs, develops, manufactures, and markets innovative technology, instrumentation,
and tests that target and serve discovery and clinical research markets. Applications include
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recent publication by Christoph Gassner et al. [Transfusion Medicine Reviews 27 (2013) 2 - 9]
the authors claimed that Sequenom’s MassARRAY® System is well suited for high throughput
blood group genotyping with highly impressive accuracy, reliability and cost effectiveness.
332 Sichuan Nigale Biomedical Co., Ltd.
No. 2-3-6, No. 405 Min Feng Ave. West, Hi-Tech. District
610041 Chengdu
China

Contact: Christy Kang
T: +86 1398 008 4635 F: +86 2861 550 163
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W: www.nigale.en.alibaba.com

Nigale is an enterprise specialized in manufacturing automated blood processing devices and disposable kits. Our entire products have Chinese SFDA certificates, GMP, ISO13485 and CE marks. Nigale products are mainly used in blood cells separating & filtering plasma exchanging therapy as well as operation room and clinical therapies in hospitals.

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10591-5005 Tarrytown, NY
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Contact: Tarek El Nayal
T: +49 642 139 3908 F: +49 642 139 4579
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W: www.siemens.com/diagnostics

Siemens Healthcare Diagnostics, a global leader in clinical diagnostics, provides healthcare professionals in hospital, reference, and physician office laboratories and point-of-care settings with the vital information required to accurately diagnose, treat, and monitor patients. Our innovative portfolio of performance-driven solutions and personalized customer care combine to streamline workflow, enhance operational efficiency, and support improved patient outcome.
626 STRADIS MED GmbH
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Germany
Contact: Katja Warbende
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E: info@stradis-med.de
W: www.stradis-med.de

We distribute and service innovative medical products whose use is based on an elevated level of intensive consulting like non invasive hemoglobin measurement: Haemospect, non invasive pH measurement in thrombocyte concentrates: pH 1000, tubesealer, plasmacollector and plasma sets and bottles etc.

310 Terumo BCT (Asia Pacific) Ltd.
Room 3903-3903A, 39/F., ACE Tower, Windsor House, 311 Gloucester Road, Causeway Bay
Hong Kong
Hong Kong SAR - China
Contact: Ms. Pauline Chan – APAC Marketing Communications
T: +852 2283 0700     F: +852 2576 1311
E: pauline.chan@terumobct.com
W: www.terumobct.com

Terumo BCT, a global leader in blood component, therapeutic apheresis and cellular technologies, is the only company with the unique combination of apheresis collections, manual and automated whole blood processing, and pathogen reduction coupled with leading technologies in therapeutic apheresis and cell processing. We believe in the potential of blood to do even more for patients than it does today. This belief inspires our innovation and strengthens our collaboration with customers. Terumo BCT—Unlocking the Potential of Blood.
United Italian Trading (M) Sdn Bhd
25th Floor, PJX, No 16A, Persiaran Barat, Petaling Jaya
46050 Selangor
Malaysia

Contact: Khaw Wei Ping
T: +603 796 530 00 F: +603 796 530 01
E: weiping@uitm.net
W: www.uitm.net

United Italian Trading (M) Sdn Bhd (UITM) is an established player in the local healthcare industry, representing more than 20 partners from North America, Europe, Oceania and East Asia. Incorporated since 1969, our headquarters is located in the heart of Petaling Jaya, Selangor. Our product portfolio includes medical equipments and diagnostics, pharmaceuticals; be it prescription or non-prescription and over-the-counter health and beauty products. Medical professionals in hospitals, clinics and pharmacies have used our products in a diverse range of therapeutic areas. In the field of haematology, UITM represents bioCSL, Cerus and MTC Invitro in Malaysia.
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May 31 - June 5, 2014

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