

ISBT BANGKOK 2019

Final
Programme

30th Regional
Congress
of the ISBT

November 16 - 19, 2019
Bangkok, Thailand

In conjunction with the
National Blood Center and
Thai Red Cross Society



ISBT
International Society
of Blood Transfusion

Acknowledgements

Corporate Partners

ISBT is pleased to acknowledge the following Corporate Partners 2019-2020

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The Diagnostic Specialist



30th Regional Congress
of the International Society
of Blood Transfusion,
Bangkok, Thailand
November 16 - 19, 2019

ISBT BANGKOK 2019





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2019

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Word of Welcome Congress President

Blood transfusion in 21st century is about the safe blood, high quality and standardization. It is an honour to host the 30th Regional Congress of the ISBT in Bangkok from 16th to 19th November 2019. The Thai Red Cross is very pleased to welcome all delegates to bring together and share researches and new thoughts in quality and innovation in transfusion medicine and blood services. During the Conference we hope all delegates will actively exchange their valuable experiences with others, enhance collaboration and networking.

The 30th Regional Congress of the ISBT in Bangkok in the year 2019 also coincides with the celebration of the 50th anniversary of the establishment of National Blood Centre, the Thai Red Cross Society. Throughout the five decades, the National Blood Centre has carried out its services for Thai people and neighbouring countries under three strategies: 1) blood transfusion service, 2) unrelated stem cell national registry centre with supporting functions of stem cell transplantation and 3) plasma derived medicinal production. By the year 2017, the Thai Red Cross was proud of its success in the establishment of the first South East Asia Plasma Fractionation Plant, which produces albumin, factor VIII and IVIG to serve national requirements.

Bangkok is very vibrant city with lively and never ending activities. The mixture of modern life style and traditional Thai way makes it unique. We all are awaiting to offer you very warm welcome with gracious Thai hospitality. Take your time to discover and experience transfusion medicine and charming Bangkok.



Ubonwon Charoonruangrit, M.D.
Congress President

Word of Welcome ISBT President

Dear friends and colleagues,

ISBT is proud to welcome you to Bangkok, the exciting location of this autumn's regional congress. We are gathering in Asia's sizzling city of angels for a meeting that promises to deliver great science and education, with a regional touch of Thai hospitality. On behalf of the ISBT Board of Directors and our Central Office, I welcome you to lovely Thailand to connect with your international colleagues. The National Blood Centre and the Thai Red Cross Society serve as our hosts and the Local Organising Committee has worked with our Scientific Secretary to ensure a high-quality program filled with new and known names delivering the most current hot topics.

Bangkok is the perfect place to learn during the days and enjoy the social program during the evenings. Our Vice Presidents are responsible for the educational sessions and have put together an appealing program with something for everyone. As you know, ISBT has a special eye for the next generation and I am particularly pleased to invite new members and young professionals to our community. We have stepped up our efforts to make ISBT even more inclusive and attractive to newcomers in the field. Your ISBT family welcomes you to a world of science, education and career-long friendship!

Our congress venue is located right in the centre of this spectacular metropolis so I hope you can stay a while. Why not take a Thai'm out after the meeting and take in the cultural sights and culinary delights while digesting everything you experienced?

Welcome to ISBT - A World of Safe Blood!



Martin L Olsson
ISBT President

J

I

**Free access to
Education
Materials**

O

S

**Congresses
Discounts**

I

B

**Expand your
network with
colleagues and
experts in your
field**

N

T



Hrafn Thorvaldsson Harold Gunson Fellowship 2018

“As an ISBT member I can present my research and expand my international network meeting with people in the industry”.



Become a member today and benefit from what our international community has to offer:

- Free access to ISBT Education and ISBT Education app where you'll have access to congress webcasts, presentations, past webinars, the guideline library and more educational material
- Free access to webinars and Live Journal Clubs: learn about various topics presented by experts in the field
- Registration discount for ISBT congresses
- Free access to the ISBT Forum: network with colleagues and experts in your field
- Free access to Vox Sanguinis our high impact journal and the ISBT Science Series as well as ISBT's quarterly magazine Transfusion Today

ISBT Membership Fees

	<35 years	35 - 70 years	>70 years	Allied Health Professional	Transfusion Practitioner
<i>World Bank Index</i> LOW	€30	€60	€45	€30	€30
LOWER MIDDLE	€30	€60	€45	€30	€30
UPPER MIDDLE	€60	€90	€60	€60	€60
HIGH	€60	€120	€90	€60	€60

The ISBT Membership year runs from 1 April 2019 to 31 March 2020.

ISBT

An international community of professionals sharing knowledge to enhance transfusion practice.

This goal is achieved by providing many opportunities to advance knowledge and education. The membership includes transfusion medicine professionals from over 110 countries who enjoy free access to educational material via the online platform ISBT Education.

In addition ISBT:

- Publishes two scientific journals, Vox Sanguinis and the ISBT Science Series
- Organises international and regional congresses.
- Supports workshops, seminars and congresses globally either financially or by use of the ISBT logo.
- Encourages and supports 14 ISBT Working Parties that focus on specific topics

ISBT Membership

As a member of ISBT you are part of a dynamic international society and enjoy the following (free) benefits:

- Access to ISBT Education (Including accredited congress webcasts and presentations)
- Access to monthly ISBT Webinars and Live Journal Clubs
- Subscription for Vox Sanguinis (paper + online)* and ISBT Science Series
- Receive quarterly society magazine Transfusion Today
- Registration discount at ISBT congresses

*Online access only for 35 years and under

Take the opportunity to connect and participate in our growing transfusion medicine community and register yourself at www.isbtweb.org. Come and meet the ISBT Central Office staff at their booth, allocated next to the registration area. The staff will be happy to assist you with your registration as a new member.

GET TRANSFUSION MEDICINE EDUCATION ANYTIME ANYWHERE

on your desktop or mobile device



Scan the QR code with
your phone camera



All the educational content about Transfusion
Medicine in just 1- Click!



YOUNG PROFESSIONALS PROGRAMME

Sunday, November 17 | 11:00 - 12:30
Room: Plenary Room

Young Investigators Scientific Session

Cheer on your fellow young investigators at this special session with the highest scoring young professionals abstracts.

Monday, November 18 | 07:00 - 08:15
Room: Lotus Suite 10

Young Professionals breakfast

The breakfast offers the opportunity for Young Professionals to discuss their work with senior and well know transfusion medicine professionals. You must have signed up to attend the breakfast.

Monday, November 18 | 10:00 - 10:30
Location: ISBT Booth

Harold Gunson certificates

The Harold Gunson winners receive their certificates from the ISBT President, Martin Olsson and have their photo taken. What better way to recognize, celebrate and share the progress, hard work and success of the Harold Gunson winners? Come and cheer our winners at the certificate handout ceremony.

WORKSHOPS

Friday, November 15 | 08:00 - 17:00

Location: Faculty of Allied Health Sciences, Thammasat University, Rangsit Campus

Molecular typing of human neutrophil antigens workshop

Molecular characterization of neutrophil antigens by genotyping techniques has expanded our diagnostic tools. Moreover, the typing of human neutrophil antigens is important to identify the allele frequencies and to facilitate the prevention and management strategies of allo and auto immune neutropenia. This workshop aims to educate the participant in the field of granulocyte immunology, serology and HNA genotyping.

Sunday, November 17 | 14:00 - 15:30

Room: World Ballroom A

Career development in transfusion medicine for young professionals

The workshop will be hosted by Veera Sekaran Nadarajan. Veera currently holds the positions of Associate Professor at the Department of Pathology, University of Malaya as well as the Head of the Department of Transfusion Medicine at the University Malaya Medical Centre. He has more than 20 years of experience, with diverse research interests that include blood group serology, blood donor care and molecular hematology.

To attend this workshop you must have registered online prior to the congress.

Monday, November 18 | 13:30 - 15:00

Room: World Ballroom A

Workshop on GMP/GP standards and their implication for the safety of blood and blood components

The workshop is organised by the ISBT Working Party on Quality Management. The seminar will comprise lectures and group work in a face-to-face fashion based on cases covering several aspects of GP and GMP such as: GP Guidelines, Inspection/Audit, Validation, Change Control, Corrective actions, Risk Assessment. The workshop will be hosted by Christian Seidl.

To attend this workshop you must have registered online prior to the congress.

Tuesday, November 19 | 10:30 - 12:00

Room: World Ballroom A

Writing successful transfusion research grant applications

The workshop will be hosted by Erica Wood. How do you write a good research grant proposal? A successful grant proposal is more than an excellent scientific research idea. The idea needs to be written in a clear and compelling manner with realistic objectives, state-of-the-art methodology and a well-structured work plan and budget. Moreover, the proposal needs to be tailored to each funding organization. A registration is not required for this workshop.

ISBT Working Party Meetings

All meetings will take place at Centara Grand & Bangkok Convention Centre at CentralWorld.

Sunday, November 17

08:30 - 12:30	ISBT WP on Granulocyte Immunobiology	Lotus Suite 12
12:30 - 17:00	ISBT WP on Platelet Immunobiology	Lotus Suite 12
14:00 - 15:30	ISBT WP on Quality Management	Lotus Suite 10

Tuesday, November 19

12:00 - 15:30	ISBT WP on Red cell Immunogenetics and Blood Group Terminology*	Lotus Suite 12
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*= *by invitation only*

Congress General Information

Registration hours

The registration desk is located on level 22 and will be open on the following days:

Saturday	November 16	07:30 - 17:00 hours
Sunday	November 17	07:30 - 17:00 hours
Monday	November 18	08:00 - 18:00 hours
Tuesday	November 19	08:00 - 15:30 hours

Exhibition hours

Sunday	November 17	10:30 - 16:30 hours
Monday	November 18	09:30 - 16:30 hours
Tuesday	November 19	09:30 - 13:30 hours

Badges

All participants 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: exhibitors and exhibition one-day only passes will not be admitted to the scientific sessions.

Code for Pharmaceutical Conduct

If you are a Health Care Professional being registered and authorized to prescribe or dispense medicine, a *P* is mentioned on your name badge.

Coffee / tea breaks and Lunch

During session-breaks, coffee / tea and lunch will be served free of charge in the Exhibition area to delegates wearing their name badge.

EBAH Accreditation

The programme of the 30th Regional Congress of the ISBT has been reviewed and approved for CME accreditation by the European Board for Accreditation in Hematology (EBAH).

The EBAH has approved this educational activity for 23 CME credits. Each physician should only collect credits for time she/he actually spent in the educational activity.

Abstract Author details

In this printed programme only the presenting author details are mentioned. For full author details of all abstracts, please download the app or the Abstract Book.

First Aid

The First aid is located on Level 22.

Insurance

The congress organiser 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

ISBT offers access to the WiFi network in the Congress related areas. To access the WiFi, select isbt2019. The password is isbt2019.

Language

The official Congress language will be English.

Lost and Found

Please bring any found items or collect them again at the Registration Service desk, located in the Registration Area on level 22.

Prayer Room

The prayer room is located on level 22, Lotus Suite 5.

Staff

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

Photography and Filming during the Congress

ISBT has an official photographer during the congress, capturing images. The photographs will be used by ISBT for various publications, promotional materials and on the ISBT Website. If you do not wish to appear in any images captured, please send an email to: photography@isbtweb.org.

General Information regarding the Scientific Programme

Important notice for Moderators and Speakers

All moderators and speakers are kindly requested to be in the session room at least 15 minutes before the beginning of the session.

Photographing and videoing during sessions is not allowed

Materials contained in ISBT Congress presentations, including slides and abstracts are protected by copyright. Any photography, filming, or audio-video recording of the presentations is strictly prohibited.

Abstracts

Abstracts are printed in a supplement of Vox Sanguinis. All abstracts are listed in the online Programme Book, available online at the Congress Website and the ISBT Congress Mobile Application.

ISBT Science Series

The Science Series containing the State of the Art Papers accompanying the 30th Regional Congress, will be available online in the beginning of next year.

Certificates of Attendance

Certificates of Attendance will be sent by email, shortly after the congress.

Speaker Ready Room

The Speaker Ready Room (SRR) is located in the Media Centre (Level 22). Speakers are requested to bring their presentation to the Speaker Ready Room on an USB stick at least 1 hour prior to their session starts. 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. The use of your own laptop during your presentation is NOT possible.

The opening hours of the SRR are:

Saturday	November 16	07:30 - 11:00 hours
Sunday	November 17	07:30 - 17:00 hours
Monday	November 18	08:00 - 17:00 hours
Tuesday	November 19	08:00 - 15.30 hours

Programme changes

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

Posters

Poster Area

All accepted posters (publication and display) will be presented in the foyer on Level 22. A list of the posters on display can be found on the next page, in the online congress Abstract book and via the Mobile Application. The posters are set out according to the topic and the number of the abstract is displayed in the Mobile application and on the poster board. Posters will be on display in the poster area for 3 days.

Poster Mounting

Posters can be mounted as of Sunday, November 17 at 08:00 hours.

- The number of your poster can be found in the (online) Abstract book and the Mobile Application.
- 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.

Opening hours Poster desk:

Sunday	November 17	08:00 - 16:30 hours
Monday	November 18	08:00 - 18:00 hours
Tuesday	November 19	08:00 - 17:00 hours

Poster Session

The Poster Session will be organised on Monday, November 18, from 17:00 - 18:00 hours.

All Poster authors are kindly requested to be present at their poster during the entire session.

The Poster session will be 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 discussions with the poster presenters. Snacks and drinks will be served.

Poster Material Removing

Material should be taken before Tuesday, November 19 at 17:00 hours.

Material that has not been taken down by the author(s) by this 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

1.0 Management and Organisation

1.1	Organisational issues	P-001 - P-002
1.2	Information technology	P-003 - P-009
1.3	Cost/effectiveness	P-010 - P-011
1.4	Training and education	P-012 - P-018
1.6	Blood supply management and utilization	P-019 - P-026
1.7	Quality management	P-027 - P-034

2.0 Blood donation

2.1	Blood donor recruitment	P-035 - P-063
2.2	Blood collection including apheresis	P-064 - P-072
2.3	Donor adverse events	P-073 - P-076

3.0 Blood products

3.1	Blood processing, storage and release	P-077 - P-092
3.2	Blood components	P-093 - P-105
3.3	Plasma products	P-106 - P-111
3.4	Pathogen inactivation	P-112 - P-113
3.5	Novel blood products	P-114

4.0 Transfusion transmitted infections

4.1	Screening strategies for TTI	P-115 - P-133
4.2	Hepatitis B (HBV)	P-134 - P-139
4.3	Hepatitis C (HCV)	P-140 - P-148
4.4	HIV	P-149 - P-152
4.5	Bacteria	P-153 - P-156
4.6	Parasites	P-157
4.7	Newly emerging pathogens and other transfusion related pathogens	P-158 - P-159

5.0 Immunohaematology

5.1	Red cell immunology: Serology	P-160 - P-234
5.2	Red cell immunology: Molecular	P-235 - P-252
5.3	Platelet immunology	P-253 - P-258
5.4	Granulocyte immunology	P-259 - P-260
5.5	Fetal-maternal immunology	P-261 - P-272

Posters

6.0 Clinical transfusion

- 6.1 Neonatal and pediatric transfusion P-273 - P-276
- 6.2 Therapeutic apheresis P-277 - P-282
- 6.3 Evidence based transfusion medicine practice P-283 - P-302
- 6.4 Haemorrhage and massive transfusion P-303 - P-305
- 6.5 Adverse events, including TRALI P-306 - P-312
- 6.6 Haemovigilance and transfusion safety P-313 - P-317

7.0 Cellular therapies

- 7.1 Stem cell and tissue banking, including cord blood P-318 - P-319
- 7.2 Collection, processing, storage and release P-320 - P-328
- 7.3 Clinical applications P-329 - P-336

8.0 Clinical immunogenetics

- 8.1 HLA in transfusion medicine P-337 - P-338
- 8.2 Histocompatibility in stem cell transplantation P-339 - P-342
- 8.3 Histocompatibility in organ transplantation P-343 - P-346



Programme at a Glance Saturday, November 16

	World Ballroom B	Plenary Room
08:30 - 10:00	Session I Update in Donor Management	
10:00 - 10:30	Coffee Break	
10:30 - 11:00	Session II Thailand Update	
11:00 - 11:40	Session III Immunohematology	
11:40 - 12:30	Lunch	
13:30 - 17:00		Royal Opening Ceremony

Saturday, November 16

08:30 - 11:40

World Ballroom B

Session I: Update in Donor Management

08:30 - 09:15 RECRUITMENT CRITERIA AND RETENTION
M. Goldman
Canadian Blood Services, Ottawa, Canada

09:15 - 10:00 DONOR MANAGEMENT: MANAGING BLOOD DONATIONS FROM THE ELDERLY, JAPANESE EXPERIENCE
Y. Tani
Japanese Red Cross, Osaka, Japan

10:00 - 10:30 **Coffee Break**

Session II: Thailand Update

10:30 - 11:00 NATIONAL BLOOD CENTRE, THE THAI RED CROSS SOCIETY: STRATEGY ON SELF-SUFFICIENCY
U. Charoonrungrit
National Blood Center, Thai Red Cross Society, Bangkok, Thailand

Session III: Immunohematology

11:00 - 11:40 SOLVING CHALLENGING CASES IN IMMUNOHAEMATOLOGY: FROM SEROLOGICAL TO MOLECULAR TOOLS
Y.-W. Liew
Red Cell Reference, Australian Red Cross Blood Service, Brisbane, Australia

11:40 - 12:30 **Lunch Break**

Saturday, November 16

13:30 - 17:00

Plenary Room

Royal Opening Ceremony

- 13:00 - 13:30 Registration for Royal Opening Ceremony
- 13:30 - 14:00 **Introduction National Blood Centre and their plasma fractionation plant**
- 14:00 - 14:30 **ISBT History Webcast**
- 14:30 - 14:45 **Ceremony Rehearsal**
- 14:45 - 15:00 **Remain seated**
- 15:00 - 15:45 **Royal Opening Ceremony**
Her Royal Highness Princess Maha Chakri Sirindhorn
- 15:45 - 16:20 **A World of Safe Blood - Matching Donor and Patient for Transfusion in the 21st Century**
[M.L. Olsson](#)
Lund University, Lund, Sweden
- 16:20 - 17:00 **ISBT Big Data Webcast**

According to the rules and regulations of the Royal Household, you are requested to be seated in the room from 13:30-17:00. You will not be allowed to leave the room before the Princess departs from the Congress Venue.

 Programme at a Glance
 Sunday, November 17

- Plenary Sessions
- Scientific Sessions
- Academy Sessions
- Workshops

	Plenary Room	World Ballroom B	World Ballroom A
08:30 - 09:00	Opening Ceremony		
09:00 - 10:30	Plenary Session PL-01 New Insights in Red Blood Cells		
10:30 - 11:00		Coffee Break & Official Opening of the Exhibition Hall	
11:00 - 12:30	Scientific Session 2A-S01 The best of the best Young Investigators	Academy Session 2A-S02 Totally Thalassemia INTERACTIVE	
12:30 - 14:00		Visit the Exhibition and Lunch	
14:00 - 15:30	Scientific Session 2B-S03 What's up in TTI	Scientific Session 2B-S04 Challenges in Clinical Transfusion Practice	Workshop Career Development in Transfusion Medicine for Young Professionals
15:30 - 16:00		Visit the Exhibition and Coffee Break	
16:00 - 17:30	Scientific Session 2C-S05 Finding Solutions for Donor Problems	Academy Session 2C-S06 Quality Management: From Systems to People INTERACTIVE	

Sunday, November 17

08:30 - 10:30

Plenary Room

Plenary Session - New Insights in Red Blood Cells

Moderators: M. de Haas (The Netherlands) and Y. Tani (Japan)

08:30 - 09:00 OPENING CEREMONY

See page 58

09:00 - 09:30 ADVANCES IN GENOMICS IN THE STUDY OF RARE BLOOD
PL-01-01 GROUPS

J. Storry

Region Skåne, Office for Medical Services, Lund, Sweden

09:30 - 10:00 RED CELL GENOTYPING IN THAILAND: TRENDS FOR BLOOD
PL-01-02 TRANSFUSION IN ASIAN POPULATIONS

O. Nathalang

Faculty of Allied Health Sciences, Thammasat University,
Pathumtani, Thailand

10:00 - 10:30 KODECYTES: MODIFYING THE SUR-FACE OF RED CELLS

PL-01-03

S. Henry

Auckland University of Technology,
Kode Biotech Limited, Auckland, New Zealand

10:30 - 11:00 **Opening of the Trade Exhibition and Coffee Break**

Sunday, November 17

11:00 - 12:30

Plenary Room

Scientific Session - The best of the best Young Investigators

Moderators: M.L. Olsson (Sweden) and J.W. Semple (Sweden)

11:00 - 11:15 ENDOTHELIAL CELLS OF PULMONARY ORIGIN DISPLAY
2A-S01-01 INCREASED SENSITIVITY TO LPS-PRIMING IN TRALI INDUCTION
S. K. H. Morsing
Sanquin, Amsterdam, The Netherlands

11:15 - 11:30 DEVELOPMENT OF MONOCLONAL ANTI-DIA FROM AN
2A-S01-02 ANTIBODY PHAGE DISPLAY LIBRARY
P. Thattanon
Faculty of Allied Health Sciences, Thammasat University,
Pathumtani, Thailand

11:30 - 11:45 SERIAL MONITORING OF IONIZED CALCIUM LEVELS DURING
2A-S01-03 PLATELETPHERESIS PROCEDURE IN VOLUNTARY PLATELET
DONORS IN A TERTIARY CARE ONCOLOGY CENTRE
A. A. Navkudkar
Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai,
India

11:45 - 12:00 SEROCONVERSION RATE AMONG REPEAT DONORS AT
2A-S01-04 NATIONAL BLOOD CENTER, KUALA LUMPUR BETWEEN 2016-
2018
N. A. Yaakob
Pusat Darah Negara, Kuala Lumpur, Malaysia

12:00 - 12:15 TYPING OF CD36 DEFICIENT INDIVIDUALS BY QUANTIFICATION
2A-S01-05 OF SOLUBLE CD36 IN PLASMA USING ELISA
R. Phuangtham
Graduate School, Khon Kaen University, Khon Kaen, Thailand

12:15 - 12:30 BURDEN OF NEONATAL JAUNDICE IN NICU WITH SPECIAL
2A-S01-06 REFERENCE TO UNCONJUGATED HYPERBILIRUBINEMIA IN
EASTERN INDIA
S. Routray
AIIMS, Bhubaneswar, India

12:30 - 14:00 **Visit the Exhibition and Lunch**

Sunday, November 17

11:00 - 12:30

World Ballroom B

Academy Session - Totally Thalassaemia

Moderators: S. Allard (United Kingdom) and V. Viprakasit (Thailand)

INTERACTIVE

11:00 - 11:30 MOLECULAR BASIS OF THALASSEMIA AND
2A-S02-01 HEMOGLOBINOPATHIES
S. Fucharoen
Institute of Molecular Biosciences, Mahidol University, Nakhon
Pathom, Thailand

11:30 - 12:00 CARRIER SCREENING AND PRENATAL DIAGNOSIS OF
2A-S02-02 HAEMOGLOBINOPATHIES
H. Ibrahim
National University of Malaysia, Kuala Lumpur, Malaysia

12:00 - 12:30 CURRENT STANDARDS AND LATEST DEVELOPMENTS IN THE
2A-S02-03 TREATMENT OF THALASSEMIA
N. Teawtrakul
Srinagarind Hospital, Khon Kaen University, Khon Kaen, Thailand

12:30 - 14:00 **Visit the Exhibition and Lunch**

Sunday, November 17

14:00 - 15:30

World Ballroom A

Workshop on Career Development in Transfusion Medicine for Young Professionals

The workshop will be hosted by Veera Sekaran Nadarajan. Veera currently holds the positions of Associate Professor at the Department of Pathology, University of Malaya as well as the Head of the Department of Transfusion Medicine at the University Malaya Medical Centre. He has more than 20 years of experience, with diverse research interests that include blood group serology, blood donor care and molecular hematology.

15:30 - 16:00 **Visit the Exhibition: Coffee Break**

Sunday, November 17

14:00 - 15:30

Plenary Room

Scientific Session - What's up in TTI

Moderators: *B. Custer (United States) and P. Permpikul (Thailand)*

14:00 - 14:30

2B-S03-01

HEPATITIS B AND C EPIDEMIOLOGY AND BLOOD TRANSFUSION IN INDONESIA

[D. H. Muljono](#)

Eijkman Institute for Molecular Biology, Jakarta, Indonesia, Faculty of Medicine, Universitas Hasanuddin, Makassar, Indonesia, Faculty of Medicine and Health, University of Sydney, NSW, Australia

14:30 - 15:00

2B-S03-02

A NEW PROTECTION BY RED BLOOD CELL TRAIT AGAINST MALARIAL PRESSURE

[V. Viprakasit](#)

Siriraj Hospital, Mahidol U., Bangkok, Thailand

15:00 - 15:15

2B-S03-03

VIRAL SAFETY ASSESSMENT IN THE DEVELOPMENT OF HTLV-1 HYPERIMMUNE GLOBULIN

[K. Nojima](#)

National Institute of Infectious Diseases, Tokyo, Japan

15:15 - 15:30

2B-S03-04

DECLINING HBV INFECTION AMONG NEW BLOOD DONORS IN THE ERA OF UNIVERSAL VACCINATION IN TAIWAN.

[Y.-Y. Chen](#)

Taiwan Blood Services Foundation, Taipei City, Taiwan

15:30 - 16:00

Visit the Exhibition: Coffee Break

Sunday, November 17

14:00 - 15:30

World Ballroom B

Scientific Session - Challenges in Clinical Transfusion Practice

Moderators: A.L. Ang (Singapore) and P. Chiewsilp (Thailand)

- 14:00 - 14:30**
2B-S04-01 MANAGING THALASSEMIA IN INDONESIA: A WORK IN PROGRESS
P. A. Wahidiyat
Cipto Mangunkusumo General Hospital, Jakarta, Indonesia
- 14:30 - 15:00**
2B-S04-02 CURRENT CHALLENGES IN THERAPEUTIC APHERESIS
T. Triyono
Sardjito Hospital, Faculty of Medicine, Universitas Gadjah Mada, Yogyakarta, Indonesia
- 15:00 - 15:15**
2B-S04-03 ESTABLISHING REFERENCE INTERVALS OF CITRATED WHOLE BLOOD THROMBOELASTOGRAPHY PARAMETERS IN NORTH INDIAN BLOOD DONORS
A. Verma
Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India
- 15:15 - 15:30**
2B-S04-04 APPROPRIATENESS OF PROPHYLACTIC PLATELET TRANSFUSION AT SIRIRAJ HOSPITAL
N. Sukontasing
Siriraj Hospital, Bangkok, Thailand
- 15:30 - 16:00** **Visit the Exhibition: Coffee Break**

Sunday, November 17

16:00 - 17:30

Plenary Room

Scientific Session - Finding Solutions for Donor Problems

Moderators: S.-Y. Kwon (Korea) and C. Promwong (Thailand)

- 16:00 - 16:30**
2C-S05-01 IRON DEFICIENCY AND BLOOD DONATION: WHAT TO DO?
M. Goldman
Canadian Blood Services, Ottawa, Canada
- 16:30 - 16:45**
2C-S05-02 LEVEL OF HEMOGLOBIN AND FERRITIN AMONG BLOOD DONORS OLDER THAN 60 YEARS OLD IN REGIONAL BLOOD CENTRE NAKHONSANAN
V. Yonwises
Regional Blood Centre VIII, Meaung, Thailand
- 16:45 - 17:00**
2C-S05-03 THE IMPACT OF BETA-THALASSEMIA TRAITS ON RED BLOOD CELL STORAGE LESION
V. Tzounakas
National & Kapodistrian University of Athens (NKUA), Athens, Greece
- 17:00 - 17:15**
2C-S05-04 PREVALENCE OF NUTRITIONAL DEFICIENCIES IN INDIAN VOLUNTARY BLOOD DONORS
P. Chavan
ACTREC-TMC, Navi Mumbai, India
- 17:15 - 17:30**
2C-S05-05 OBJECTIVE EVALUATION OF POOR VEINS USING IMAGE PROCESSING TECHNIQUE: AN OUTCOME ANALYSIS
R. Mukherjee
All India Institute of Medical Sciences, Rishikesh, India

Sunday, November 17

16:00 - 17:30

World Ballroom B

Academy Session - Quality Management: From Systems to People

Moderators: C. Seidl (Germany) and N. Charuruks (Thailand)

INTERACTIVE

16:00 - 16:30 EDUCATION AND TRAINING TECHNIQUES TO IMPLEMENT REGULATORY REQUIREMENTS

2C-S06-01

N. Ritchie

Jakarta Blood Center, Jakarta Pusat, Indonesia

16:30 - 17:00 THE DEMONSTRATION OF SKILL SETS AND CURRENCY - FROM JOB DESCRIPTION TO QUALIFICATION AND COMPETENCE ASSESSMENT

2C-S06-02

M. K. Pyke

Australian Red Cross Blood Service, Sydney, Australia

17:00 - 17:30 GOOD PRACTICE OF CHANGE CONTROL FOR VALIDATION OF ASSAYS AND TEST SYSTEM

2C-S06-03

S. Lam

Health Sciences Authority, Singapore, Singapore

Programme at a Glance

Monday, November 18

- Plenary Sessions
- Scientific Sessions
- Academy Sessions
- Workshops

	Plenary Room	World Ballroom B	World Ballroom A	World Ballroom C	Lotus Suite 10
07:00 - 08:15					Young Professionals Networking Breakfast Session
08:30 - 10:00	Plenary Session PL-Q2 Emerging and Vanishing Viruses				
10:00 - 10:30	Visit the Exhibition and Coffee Break				
10:30 - 12:00	Scientific Session 3A-S07 Pediatric and Perinatal Transfusion	Academy Session 3A-S08 New Knowledge of Blood Groups		Scientific Session 3A-S09 Improving Practice using Quality Tools	
12:00 - 13:30	Visit the Exhibition, Lunch and Satellite Symposia				
13:30 - 15:00	Scientific Session 3B-S10 Immunohematology and Molecular Testing: An Asian Perspective	Academy Session 3B-S11 Haemovigilance: On your mark, get set, go	Workshop on GMP/ GP standards and their implication for the safety of blood and blood components		
15:00 - 15:30	Visit the Exhibition and Coffee Break				
15:30 - 17:00	Scientific Session 3C-S12 New Aspects in Transfusion Immunology in Asia	Academy Session 3C-S13 Getting started in Patient Blood Management			
17:00 - 18:00	Poster Session				
19:30 - 23:00	Congress Party (Hotel InterContinental, Bangkok) - Tickets available at the Registration Services desk (EUR 25)				

Programme
Monday November 18

Monday, November 18

07:00 - 08:15

Lotus Suite 10

Young Professionals Networking Breakfast

Pre-registration is required to attend this session.

The breakfast is a great opportunity for young professionals, who are 40 years old or less to meet and talk to transfusion medicine experts, who will be available to discuss the challenges and joys of their field and to give tips and suggestions.

The breakfast will take place in an informal setting. Please note that to attend this session, you need to have a good understanding of and be able to express yourself in English.

Monday, November 18

08:30 - 10:00

Plenary Room

Plenary Session - Emerging and Vanishing Viruses

Moderators: *M. Satake (Japan) and U. Charoonruangrit (Thailand)*

08:30 - 09:00 EPIDEMIOLOGY AND ELIMINATION OF HEPATITIS BY THE YEAR
PL-02-01 2030

[Y. Puworawwan](#)

Chulalongkorn University, Bangkok, Thailand

09:00 - 09:30 NEW INSIGHTS IN ZIKA VIRUS INFECTIONS

PL-02-02 [D. Musso](#)

Eurofins Labazur Guyane, Cayenne, French Guiana

09:30 - 10:00 ASIA PACIFIC BLOOD NETWORK (APBN) DENGUE WHITE
PL-02-03 PAPER; DENGUE AND THE BLOOD SUPPLY, 2019 UPDATE

[V. Hoad](#)

Australian Red Cross Blood Service, Perth, Australia

10:00 - 10:30 Visit the Exhibition: Coffee Break

Monday, November 18

10:30 - 12:00

Plenary Room

Scientific Session - Pediatric and Perinatal Transfusion

Moderators: *S. Arora (India) and P. Wongsiridej (Thailand)*

10:30 - 11:00 PRENATAL SUPPORT THROUGH INTRAUTERINE TRANSFUSION
3A-S07-01 [G. Clarke](#)

Canadian Blood Services, Edmonton, Canada

11:00 - 11:30 HAEMOLYTIC DISEASE OF THE FETUS AND NEWBORN; NEW
3A-S07-02 PERSPECTIVES

[M. de Haas](#)

Sanquin, Amsterdam, The Netherlands, Sanquin Research, Leiden, The Netherlands

11:30 - 11:45 STUDY OF ABO HAEMOLYTIC DISEASE OF THE NEW BORN
3A-S07-03 CASES AT DISTRICT GENERAL HOSPITAL, CHILAW

[P. Arewatte](#)

Regional Blood Center, District General Hospital, Chilaw, National Blood Transfusion Service, Colombo, Sri Lanka

11:45 - 12:00 TRANSFUSION CHALLENGES IN PEDIATRIC HEMATOPOIETIC
3A-S07-04 STEM CELL TRANSPLANT RECIPIENTS: AN ANALYSIS FROM TERTIARY CARE ONCOLOGY CENTRE IN INDIA

[S. Ojha](#)

Tata Memorial Centre-ACTREC, Navi Mumbai, India

12:00 - 13:30 Visit the Exhibition, Lunch and Satellite Symposia

Monday, November 18

10:30 - 12:00

World Ballroom B

Academy Session - New Knowledge of Blood Groups

Moderators: *L. Castilho (Brasil) and P. Kupatawintu (Thailand)*

INTERACTIVE

- 10:30 - 11:00**
3A-S08-01 MOLECULAR TYPING FOR BLOOD GROUP ANTIGENS: AN OVERVIEW
J. Yanli
Guangzhou Blood Center, Guangzhou, China
- 11:00 - 11:30**
3A-S08-02 MNS HYBRID GLYOPHORINS: WHAT IS NEW?
G. Lopez
Australian Red Cross Blood Service, Queensland, Griffith University, Gold Coast, Australia
- 11:30 - 12:00**
3A-S08-03 RARE DONOR PROGRAM: HOW TO FIND AND PROVIDE RARE BLOOD
Y. Tani
Japanese Red Cross, Osaka, Japan
- 12:00 - 13:30** **Visit the Exhibition, Lunch and Satellite Symposia**

Monday, November 18

10:30 - 12:00

World Ballroom C

Scientific Session - Improving Practice using Quality Tools

Moderators: *J. Chapman (The Netherlands) and P. Kitpoka (Thailand)*

- 10:30 - 10:48**
3A-S09-01 IBLOOD INVESTIGATION: MOBILE APPLICATIONS-BASED INVESTIGATION IN TRANSFUSION REACTIONS
P. Vongchan
Faculty of Associated Medical Sciences, Chiang Mai University, Chiang Mai, Thailand
- 10:48 - 11:06**
3A-S09-02 OVERVIEW OF LEAN SIX SIGMA PROJECTS IN HONG KONG RED CROSS BLOOD TRANSFUSION SERVICES
Y. K. M. Yuen
Hong Kong Red Cross Blood Transfusion Services, Kowloon, Hong Kong
- 11:06 - 11:24**
3A-S09-03 INTRODUCTION OF AN ENHANCED ELECTRONIC BLOOD BANK AND ON BOARD TO REPLACE PAPER-BASED DATA RECORDS IN A HOSPITAL BLOOD BANK
W. W. Chey
Khoo Teck Puat Hospital, Singapore, Singapore
- 11:24 - 11:42**
3A-S09-04 MAKING BLOOD SAFE THROUGH ACCREDITATION – EXPERIENCES OF STAND ALONE BLOOD CENTRE
N. A. Vachhani
Life Blood Centre, Rajkot, India
- 11:42 - 12:00**
3A-S09-05 ACTIVITYWISE UNIT COST OF BLOOD COMPONENTS IN A TERTIARY CARE HOSPITAL BLOOD BANK FOR THE YEAR 2018
A. Pokhrel
Ram Manohar Lohia Hospital, Delhi, India
- 12:00 - 13:30** **Visit the Exhibition, Lunch and Satellite Symposia**

Monday, November 18

13:30 - 15:00

Plenary Room

Scientific Session - Immunohematology and Molecular Testing: An Asian Perspective

Moderators: J. Storry (Sweden) and S. Bejrachandra (Thailand)

- 13:30 - 14:00** MOLECULAR IMMUNOHAEMATOLOGY FOR TRANSFUSION-DEPENDENT THALASSEMIA
3B-S10-01 [P. Watanaboonyongcharoen](#)
Chulalongkorn University, King Chulalongkorn Memorial Hospital, Bangkok, Thailand
- 14:00 - 14:15** MOLECULAR CHARACTERIZATION OF SEROLOGICALLY D-NEGATIVE AND WEAK/PARTIAL D BLOOD DONORS IN THAILAND: A NATIONWIDE STUDY
3B-S10-02 [J. Thongbut](#)
National Blood Center, Thai Red Cross Society, Faculty of Medical Technology, Mahidol University, Bangkok, Thailand
- 14:15 - 14:30** CHARACTERISATION OF GYP*MUR AND NOVEL GYP*BUN-LIKE HYBRIDS IN THAI BLOOD DONORS REVEALS QUALITATIVELY ALTERED LITTLE S ANTIGEN
3B-S10-03 [P. Jongruamklang](#)
Lund University, Lund, Sweden
- 14:30 - 14:45** A NOVEL COMPOUND HETEROZYGOUS MUTATION OF A4GALT GENE CAUSING A RARE P PHENOTYPE
3B-S10-04 [Q. Chen](#)
Jiangsu Province Blood Center, Nanjing, China
- 14:45 - 15:00** THE IMPORTANCE OF EXTERNAL QUALITY ASSURANCE PROGRAMS FOR ABO ANTIBODY TITRATION
3B-S10-05 [D. Roxby](#)
RCPAQAP, Sydney, Australia, SA Pathology, Bedford Park, Australia
- 15:00 - 15:30** **Visit the Exhibition: Coffee Break**

Monday, November 18

13:30 - 15:00

World Ballroom B

Academy Session - Haemovigilance: On your mark, get set, go

Moderators: P. Flanagan (New Zealand) and D. Thammanichanond (Thailand)

INTERACTIVE

- 13:30 - 13:50** OVERVIEW AND UPDATE ON INTERNATIONAL ACTIVITIES
3B-S11-01 [N. Goto](#)
Japanese Red Cross Society Blood Service Headquarters, Tokyo, Japan
- 13:50 - 14:10** HEMOVIGILANCE COUNTRY REPORT: THAILAND
3B-S11-02 [P. Rojnuckarin](#)
Chulalongkorn University, Bangkok, Thailand
- 14:10 - 14:30** SETTING UP HEMOVIGILANCE PROGRAM IN MONGOLIA
3B-S11-03 [N. Erdenebayar](#)
National Center for Transfusion Medicine, Ulaanbaatar, Mongolia
- 14:30 - 14:50** HAEMOVIGILANCE IN KOREA: WHAT HAS BEEN ACHIEVED?
3B-S11-04 [J. Hyun](#)
Hallym University College of Medicine, Hwaseong-si, Korea
- 14:50 - 15:00** Discussion
- 15:00 - 15:30** **Visit the Exhibition: Coffee Break**

Monday, November 18

13:30 - 15:00

World Ballroom A

Workshop on GMP/GP standards and their implication for the safety of blood and blood components

Pre-registration is required to attend this workshop.

The workshop is organised by the ISBT Working Party on Quality Management. The seminar will comprise lectures and group work in a face to face fashion based on cases covering several aspects of GP and GMP such as: GP Guidelines, Inspection/Audit, Validation, Change Control, Corrective actions, Risk Assessment.

15:00 - 15:30 Visit the Exhibition: Coffee Break

Monday, November 18

15:30 - 17:00

Plenary Room

Scientific Session - New Aspects in Transfusion Immunology in Asia

Moderators: Y. Ji (China) and O. Nathalang (Thailand)

15:30 - 16:00 HUMAN PLATELET ANTIGEN FREQUENCIES AND ANTIBODIES

3C-S12-01

IN SE ASIA

N. H. Tsuno

Japanese Red Cross, Koto-Ku, Japan

16:00 - 16:30 HUMAN BLOOD GROUP ALLOANTIBODIES AND THEIR
3C-S12-02 CONSEQUENCES

V. S. Nadarajan

University Malaya, Kuala Lumpur, Malaysia

16:30 - 16:45 CEFOPARAZONE/SULBACTAM INDUCED DIIHA IN AN RHMOD
3C-S12-03 PATIENT WITH ALLOANTIBODIES

Q. Yang

Shanghai Blood Center, Shanghai, China

16:45 - 17:00 IN-HOUSE DEVELOPMENT OF A RED CELL ANTIBODY
3C-S12-04 SCREENING PANEL SUITABLE FOR USE IN A SOUTH AND EAST
ASIAN POPULATION - A PILOT STUDY

V. S. Nadarajan

University Malaya, Kuala Lumpur, Malaysia

17:00 - 18:00 Poster Session

Monday, November 18

15:30 - 17:00

World Ballroom B

Academy Session - Getting started in Patient Blood Management

Moderators: B. Gathof (Germany) and S. Poonyathawon (Thailand)

INTERACTIVE

15:30 - 16:00 CONCEPT OF PATIENT BLOOD MANAGEMENT – HOW TO GET STARTED
3C-S13-01

S. Allard

Barts Health NHS Trust and NHS Blood & Transplant, London, United Kingdom

16:00 - 16:30 EXPERIENCE IN SETTING UP A PBM PROGRAM: KOREA
3C-S13-02

T. H. Um

Inje University Ilsan Paik Hospital, Goyang, Korea

16:30 - 17:00 SINGAPORE'S PERSPECTIVE ON PATIENT BLOOD MANAGEMENT
3C-S13-03

A. L. Ang

Health Sciences Authority, Singapore General Hospital, Singapore, Singapore

17:00 - 18:00 **Poster Session**

Programme at a Glance Tuesday, November 19

- Plenary Sessions
- Scientific Sessions
- Academy Sessions
- Workshops

	Plenary Room	World Ballroom B	World Ballroom A
08:30 - 10:00	Plenary Session PL-03 Perspectives on Cellular and Gene Therapy		
10:00 - 10:30		Visit the Exhibition and Coffee Break	
10:30 - 12:00	Scientific Session 4A-S14 Getting better at Patient Blood Management	Academy Session 4A-S15 T11, T11 and RHD	Workshop Writing successful transfusion research grant applications
12:00 - 13:30		Visit the Exhibition, Lunch and Satellite Symposia	
13:30 - 15:00	Scientific Session 4B-S16 Adverse Events: Is there a Problem?	Academy Session 4B-S17 Getting our Priorities Right	
15:00 - 15:30		Coffee Break	
15:30 - 17:00	Plenary Session PL-04 The Hidden World of Platelets and Megakaryocytes		
17:00 - 17:15	Closing Ceremony		

Tuesday, November 19

08:30 - 10:00

Plenary Room

Plenary Session - Perspectives on Cellular and Gene Therapy

Moderators: T. Nagamura (Japan) and U. Bunworasate (Thailand)

- 08:30 - 09:00** THE CHALLENGE OF STEM CELL TOURISM
PL-03-01 [D. Sipp](#)
RIKEN Center for Developmental Biology, Kobe, Japan
- 09:00 - 09:30** CELL AND GENE THERAPY: EXPERIENCES IN THAILAND
PL-03-02 [S. Hongeng](#)
Ramathibodi Hospital, Mahidol University, Bangkok, Thailand
- 09:30 - 10:00** CAR-T TREATMENT FOR B-CELL ALL: EXPERIENCE FROM LU
PL-03-03 [DAOPEI HOSPITAL IN CHINA](#)
[P. Lu](#)
Lu Daopei Hospital, Beijing, China
- 10:00 - 10:30** **Visit the Exhibition: Coffee Break**

Tuesday, November 19

10:30 - 12:00

Plenary Room

Scientific Session - Getting better at Patient Blood Management

Moderators: E. Wood (Australia) and P. Watanaboonyongcharoen (Thailand)

- 10:30 - 11:00**
4A-S14-01 THE ROLE OF THE TRANSFUSION PRACTITIONER IN IMPROVING PATIENT SAFETY
L. Bielby
Australian Red Cross Blood Service, Melbourne, Australia
- 11:00 - 11:15**
4A-S14-02 PATIENT BLOOD MANAGEMENT IMPLEMENTATION AND ITS SUCCESS STORY: HOSPITAL SERDANG EXPERIENCE
L. I. Iliassa
Hospital Serdang, Kajang, Selangor, Malaysia
- 11:15 - 11:30**
4A-S14-03 HOW DOES ADOPTING SINGLE UNIT AND RESTRICTIVE TRANSFUSION STRATEGIES IN AUTOLOGOUS TRANSPLANTATION AND INTENSIVE CHEMOTHERAPY FOR HEMATOLOGICAL MALIGNANCIES AFFECT BLOOD USE? – THE SUSTAINABLE STUDY
K. L. Chan
Princess Margaret Hospital, Hong Kong, Hong Kong
- 11:30 - 11:45**
4A-S14-04 HOW THE BLOOD CHAMPION ROLE IS BEING USED IN VICTORIA (AUSTRALIA) TO CONTRIBUTE TO PATIENT SAFETY
L. Bielby
Australian Red Cross Blood Service, Melbourne, Australia
- 11:45 - 12:00**
4A-S14-05 CLINICAL AUDIT OF PRESCRIPTIONS FOR PLATELET THERAPY USING COMPUTERIZED PHYSICIAN ORDER ENTRY (CPOE)
B. Moiz
The Aga Khan University, Karachi, Pakistan
- 12:00 - 13:30** **Visit the Exhibition, Lunch and Satellite Symposia**

Tuesday, November 19

10:30 - 12:00

World Ballroom B

Academy Session - TTI, ITI and RHD

Moderators: R. Reddy (South Africa) and D. Teo (Singapore)

INTERACTIVE

- 10:30 - 11:00**
4A-S15-01 RISKS OF TRANSMISSION OF BLOOD BORNE DISEASES IN THE DONOR POPULATION
M. Janssen
Sanquin Blood Supply Foundation, Amsterdam, The Netherlands
- 11:00 - 11:20**
4A-S15-02 WHAT IS THE I TRY IT PROGRAMME, AND WHAT DO YOU NEED TO KNOW ABOUT IT?
B. Custer
Vitalant Research Institute, UCSF, San Francisco, United States
- 11:20 - 11:35**
4A-S15-03 RHD VARIANTS AMONG BLOOD DONORS IN MOROCCO
H. El Housse
Faculty of Medicine and Pharmacy Casablanca – Hassan II University of Casablanca, Casablanca, Morocco
- 11:35 - 11:50**
4A-S15-04 THE PREVALENCE OF MALARIA PARASITAEMIA AMONG ADULT BLOOD DONORS TARGETING PAEDIATRIC RECIPIENTS IN THE FEDERAL CAPITAL TERRITORY, NIGERIA
N. Eriobu
Institute of Human Virology NIGERIA- IHVN, Abuja, Nigeria
- 11:50 - 12:00** Discussion
- 12:00 - 13:30** **Visit the Exhibition, Lunch and Satellite Symposia**

Tuesday, November 19

10:30 - 12:00

World Ballroom A

Workshop on Writing Successful Transfusion Research Grant Applications

The workshop will be hosted by Erica Wood.

How do you write a good research grant proposal? A successful grant proposal is more than an excellent scientific research idea. The idea needs to be written in a clear and compelling manner with realistic objectives, state-of-the-art methodology and a well-structured work plan and budget. Moreover, the proposal needs to be tailored to each funding organization.

12:00 - 13:30 Visit the Exhibition, Lunch and Satellite Symposia

Tuesday, November 19

13:30 - 15:00

Plenary Room

Scientific Session - Adverse Events: Is there a Problem?

Moderators: L. Fung (Australia) and P. Rojnuckarin (Thailand)

- 13:30 - 14:00** ANIMAL MODELS OF TACO AND TRALI PATHOPHYSIOLOGY:
4B-S16-01 WHAT HAVE THEY TAUGHT US?
R. Kapur
 Sanquin Research, Landsteiner Laboratory Amsterdam UMC,
 University of Amsterdam, Amsterdam, The Netherlands
- 14:00 - 14:15** INVESTIGATION INTO THE MOLECULAR MECHANISM
4B-S16-02 AND REGULATORY PATHWAYS UNDERLYING MURINE
 TRANSFUSION-RELATED ACUTE LUNG INJURY: FROM BEDSIDE
 TO BENCH STUDY
C.-C. Chang
 Far Eastern Memorial Hospital, New Taipei City, Taiwan,
 Graduate Institute of Clinical Medical Sciences, Chang Gung
 University, Taoyuan City, Taiwan
- 14:15 - 14:30** THE ESTABLISHMENT AND INVESTIGATION OF
4B-S16-03 HEMOVIGILANCE NETWORK IN TAIWAN
F.-Y. Chu
 Far Eastern Memorial Hospital, Taiwan Society of Blood
 Transfusion, New Taipei City, Taiwan
- 14:30 - 14:45** EARLY RECOGNITION OF POSSIBLE TRANSFUSION REACTIONS
4B-S16-04 USING COMPUTER ASSISTED ANALYSIS OF CHANGES IN VITAL
 SIGNS IN PATIENTS UNDERGOING BLOOD TRANSFUSIONS
Y. A. Lim
 Ajou University School of Medicine, Suwon, Korea
- 14:45 - 15:00** A CLINICAL AUDIT OF ADVERSE REACTIONS TO BLOOD
4B-S16-05 COMPONENT TRANSFUSIONS REPORTED TO A STAND-ALONE
 BLOOD CENTER IN WESTERN INDIA
S. B. Patil
 Arpan Blood Bank, Nashik, India
- 15:00 - 15:30 Coffee Break**

Tuesday, November 19

13:30 - 15:00

World Ballroom B

Academy Session - Getting our Priorities Right

Moderators: G. Clarke (Canada) and F.A. Karim (Malaysia)

13:30 - 14:00 BALANCING SAFETY AND SUFFICIENCY
4B-S17-01 [P. Flanagan](#)
New Zealand Blood Service, Wellington, New Zealand

14:00 - 14:30 MAKING DONOR SAFETY A PRIORITY
4B-S17-02 [M. Goldman](#)
Canadian Blood Services, Ottawa, Canada

14:30 - 15:00 Discussion

15:00 - 15:30 **Coffee Break**

Tuesday, November 19

15:30 - 17:00

Plenary Room

Plenary Session - The Hidden World of Platelets and Megakaryocytes

Moderators: U. Sachs (Germany) and N. Tsuno (Japan)

15:30 - 16:00 PLATELET IMMUNOLOGY FROM THE INSIDE OUT
PL-04-01 [J.W. Semple](#)
Lund University, Lund, Sweden

16:00 - 16:30 PLATELETS IN THROMBO-INFLAMMATION: HOW THEY GET
THERE & HOW TO STOP THEM
PL-04-02 [J. Hamilton](#)
Australian Centre for Blood Diseases, Monash University,
Melbourne, Australia

16:30 - 17:00 NOVEL MECHANISMS BY WHICH MEGAKARYOCYTES RESPOND
TO AND PROPAGATE INFLAMMATION
PL-04-03 [K. Machlus](#)
Harvard Medical School, Boston, United States

17:00 - 17:15 **Closing Ceremony**

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Other Information

Social Programme

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Sunday, November 17

08:30 - 09:00

Plenary Room

Opening Ceremony

All delegates and Exhibitors are welcome to attend.

All delegates will be welcomed by the President of ISBT and the President of the congress and local dignitaries.

Two ISBT Awards will be presented and the ceremony also includes a local culture show.

Monday, November 18

19:30 - 23:00

Hotel InterContinental, Bangkok, Thailand

Congress Party

Price: € 25 per person

Only a five-minute walk from the Centara lies the beautiful InterContinental hotel, where you will experience a night full of Thai food and culture. A DJ will be performing live so feel free to dance the night away!





Eligibility
Screening



Testing & Quality
Control



Product Inventory
Management



Rational Blood Use
& Management

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Visit us at Booth #709

www.sysmex-ap.com

Satellite Symposia

Monday, November 18

12:30 - 13:30

Room: Lotus Suite 7

Grifols

Advancing transfusion processes for blood safety

*Moderator: Samuel Rose, Director, Global Medical Affairs
Diagnostics, Grifols*

Donor Screening Automation: How to Improve Workflow Efficiency

PROCLEIX PANTHER SYSTEM FEATURING ART.

Dawn Rossin

President, Global Marketing, Grifols

IMPROVING EFFICIENCY VIA NEW ASSAY DESIGN:
PROCLEIX ULTRIOPLEX E.

Jeff Linnen

PhD, VP, Product Development, Grifols

BLOOD GROUP GENOTYPING: Expertise for Perfect Match

THE USEFULNESS OF RED CELL GENOTYPING IN
TRANSFUSION MEDICINE

Phandee Watanaboonyongcharoen

MD, Department of Laboratory Medicine, Faculty of
Medicine, Chulalongkorn University, Transfusion Medicine
Unit, King Chulalongkorn Memorial Hospital

Monday, November 18

12:30 - 13:30

Room: World Ballroom C

BioMérieux

Controlling the Risks of Bacterial Contamination of Platelets: Blood Centres' experiences

INTRODUCTION

BACTERIAL TESTING OF PLATELETS: THE SINGAPORE EXPERIENCE

Chua Sze Sze

Consultant Scientist, Blood Services Group, Health Sciences Authority, Singapore

THE NEW ZEALAND EXPERIENCE OF BACTERIAL CULTURE OF PLATELETS

Dr Peter Flanagan

Transfusion Medicine Specialist, Wellington Blood Centre, New Zealand Blood Service

Q&A – CONCLUDING REMARKS

Monday, November 18

12:30 - 13:30

Room: World Ballroom B

Macopharma

Benefits of pool platelet concentrate from Buffy coat method

BUFY COAT PLATELET RELOADED

Assoc. Prof. Dr. Walter Nussbaumer

Univ. Doz, Innsbruck Austria

EXPERIENCE OF PLATELET CONCENTRATES FROM BUFFY COAT METHOD IN NATIONAL BLOOD CENTRE, THAI RED CROSS SOCIETY, BANGKOK, THAILAND

Dr.Ubonwon Charoonruangrit

Medical Director, Blood Transfusion Centre, Thai Red Cross Society

Tuesday, November 19

12:30 - 13:30

Room: Lotus Suite 7

Bio-Rad

Red Cell Antibodies: clinical significance or just 'noise'?

12:30 - 12:35 INTRODUCTION

Paul Aerts

Scientific Affairs Manager, Immunohematology Division, Bio-Rad Laboratories, DiaMed GmbH, Cressier FR, Switzerland

12:35 - 13:20 RED CELL ANTIBODIES: CLINICAL SIGNIFICANCE OR JUST 'NOISE'?

Shane Grimsley

Laboratory Manager Red Cell Reference (RCR), International Blood Group Reference Laboratory (IBGRL), Bristol, United Kingdom

Abstract:

Clinically significant antibodies are those:

- Capable of causing patient morbidity due to accelerated destruction of a significant proportion of transfused red cells.
- Capable of causing Hemolytic Disease of the Fetus and Newborn (HDFN).

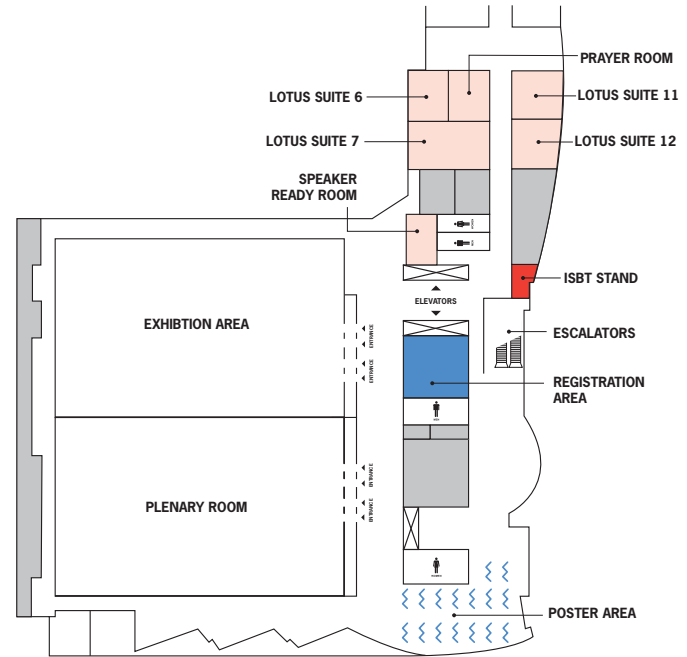
Depending on the techniques used in the laboratory, "more than just the clinically significant antibodies" may be detected. It is important to develop the skills to separate significant from noise.

13:20 - 13:30 Q&A – DISCUSSION – CONCLUDING REMARKS

Floor Plans

Floor Plan

Level 22

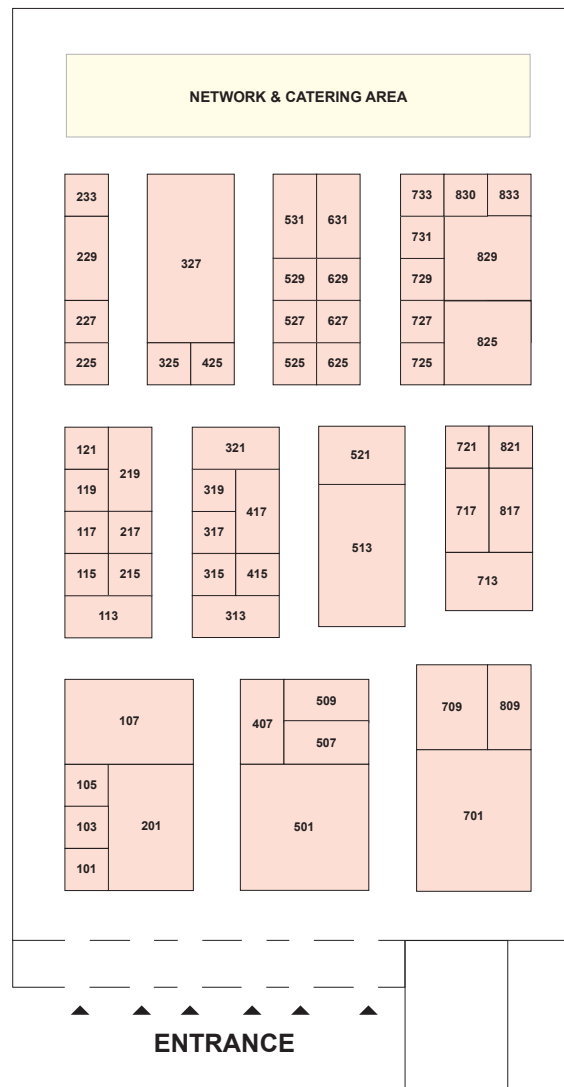


Exhibition Floor Plan

Level 22

- 513 Abbott
- 529 Andreas Hettich GmbH & Co. KG
- 101 Applied Science Ltd.
- 729 Asahi Kasei Medical Co., Ltd.
- 531 Australian Red Cross Blood Service
- 521 B Medical Systems
- 731 Best Theratronics
- 327 Bio-Rad Laboratories (Singapore) Pte Ltd
- 631 Biolog-id
- 425 bioMérieux
- 833 Changchun Bioxun Biotech Co., Ltd.
- 627 Chinese Society of Blood Transfusion (CSBT)
- 525 Conroy Medical AB
- 727 CLST Cryo Life Science Technologies
- 417 Delcon S.r.l.
- 809 Demophorius Healthcare Ltd.
- 713 Diagast
- 701 Fresenius Kabi Deutschland GmbH
- 227 Fujirebio, Inc.
- 821 Gamma-Service Medical GmbH
- 501 Grifols
- 825 Haemonetics (Hong Kong) Limited
- 315 ICCBBA
- 313 Immucor
- 217 Immulab Pty Ltd
- 733 IPFA
- 509 Jiaxing Tianhe Pharmaceutical Co., Ltd.
- 725 JMS Singapore Pte Ltd
- 219 Kawasumi Laboratories, Inc.
- 325 Kubota Corporation
- 721 Lameditech Co., Ltd
- 321 Lmb Technologie GmbH
- 113 Macopharma
- 717 MAK-System
- 407 MEDINFO International Hemoservice

- 225 Möller Medical GmbH
- 830 MP Group (Thailand) Co., Ltd
- 625 N.Y.R. Limited Partnership
- 215 Nanjing Shuangwei Biotechnology Co. Ltd.
- 319 on point medicals GmbH
- 317 Ortho Clinical Diagnostics
- 201 Roche
- 105 Safetran BioMedical Inc.
- 527 Sanquin Reagents B.V.
- 629 Shandong Weigao Group Medical Polymer Co., Ltd
- 229 Sichuan Nigale Biotechnology Co., Ltd.
- 233 Strides Software Solutions Pvt Ltd
- 709 Sysmex Asia Pacific Pte Ltd
- 415 Technoflex
- 107 Terumo BCT Asia Pte Ltd
- 103 Transmedic Pte Ltd / Rad Source Technologies



ISBT BARCELONA 2020

June 6 - 10, 2020

**The 36th International Congress of the ISBT
Barcelona, Spain**

**In conjunction with the Spanish Society of Blood
Transfusion and Cellular Therapy (SETS)**

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