

## **April 2014 Monthly eNewsletter**

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## **Don't Miss Trainee Day, Cutting-Edge Education Sessions and Notable Speakers at SSC 2014 from June 23 - 26, 2014**

The SSC 2014 meeting will be a landmark international meeting highlighting the latest discussions of diagnostic standards, disease nomenclature and classification, and research on bleeding and thrombotic disorders. With an exciting and interactive education program, SSC 2014 will kick off with an outstanding Trainee Day planned for June 22. Registration for the Trainee Day is free for those attending SSC 2014; \$25 for non-SSC 2014 attendees. For a complete Trainee Day program, [click here](#).

**In addition to Trainee Day, SSC 2014 features cutting-edge education sessions and notable speakers.**

### **SSC 2014 Education Sessions and Speakers**

#### **THROMBOSIS 2014: P. Reitsma and P. Angchaisuksiri - June 23**

- Hugo ten Cate, Netherlands: Interface of Hemostasis and Inflammation with Atherosclerosis
- Walter Ageno, Italy: Antithrombotics in Clinical Practice
- Mark Crowther, Canada: Filters for PE Prophylaxis
- Arina ten Cate-Hoe, Netherlands: Post Phlebetic Syndrome
- David Garcia, USA: Debate – ASA Use in Secondary Prophylaxis – Yes
- Stephan Moll, USA: Debate – ASA Use in Secondary Prophylaxis – No
- Stephan Moll, USA: Benefit of New Anticoagulants to Warfarin (Secondary VTE)

#### **VASCULAR INTERACTION OF COLLAGEN: E. Favaloro and A. Blanco - June 23**

- Diego Mezzano, Chile: The Clinical Approach to Screening
- Rob Andrews, Australia: From the Perspective of Platelets
- Keith Neeves, USA: Platelet Interactions Under Flow
- Peter Lenting, France: From the Perspective of von Willebrand Factor
- Steve Watson, UK: Downstream Events of Collagen
- Hans Deckmyn, Belgium: Inhibition of Platelet Collagen Interaction
- Shannon Jackson, Canada: From the Perspective of Collagen – Ehlers Danlos, etc.

#### **EVOLVING WORLD OF HEMOSTASIS: S. Schulman and Y. Hu - June 23**

- Changgeng Ruan, China: The Complexities of Hemostasis Today
- Yukio Ozaki, Japan: Evolving Mechanisms of Platelet Activation
- Bill Aird, USA: Under Recognized Roles of Endothelium
- Jim Morrissey, USA: How is Clotting Initiated?



- Augusto Rendon, UK: The Reactome of Megakaryocytes and Platelets
- Bjorn Dahlback, Sweden: Interactions of FV and TFPI

#### **VASCULAR BIOLOGY OF HEMOGLOBINOPATHIES: C. Hillery and I. Odame - June 23**

- Isaac Odame, Canada: State of SCD in the Developing World
- Francoise Bernaudin, France: Cerebral Vasculopathy in HgbSS
- Cheryl Hillery, USA: Coagulopathy of Sickle Cell Disease in Murine Models
- Greg Kato, USA: Multifactorial Etiology of Arteriopathy in SCD
- Kenneth Ataga, USA: Activation of Clotting in SCD
- Suthat Fuchharoen, Thailand: Vascular and Cardiac Toxicity in Thalassemia

#### **PLENARY SESSIONS - June 24**

- Andrew Paterson, Canada: Optimal Strategies for Complex Genetic Testing
- Howard Jacob, USA: Personalized Medicine – A Current Reality
- Pierre Morange, France: GWAS and VTE
- Frank Leebeek, Netherlands: GWAS, VWD / VTE
- Willem Ouwehand, UK: Role of Genomic Medicine in Patients with Bleeding and Thrombotic Disorders
- David Lillcrap, Canada: Thrombogenomics and the Role of SSC in 2020

#### **HEMOSTASIS AND INFLAMMATION: A. Greinacher and J. Badimon - June 25**

- Denisa Wagner, USA: Inflammation and Thrombosis: Entangled in NETs
- Wolfram Ruf, USA: Critical Roles of Hemostasis in Cancer
- Christopher Jackson, Australia: Protein C and the Clinical Effects in Diabetes
- Patricia Liaw, Canada: Basic and Translational Studies of Extracellular DNA in Sepsis
- Bernhard Nieswandt, Germany: Platelet Mechanisms in Ischemic Stroke

#### **VASCULAR BIOLOGY OF MALARIA: D. Kenny and N. Kassim - June 25**

- Chite Assirwa, Kenya: Clinical Impact of Malaria in Developing Countries and a Review of its Infectious Life-Cycle
- James O'Donnell, Ireland: VWF Interactions and Reactions in Malaria
- Ivo Francischetti, USA: Blood Coagulation in Malaria
- Pascal Rihet, France: Platelets Alter EC Gene Expression in Malaria
- Craig Morrell, USA: Platelet Modulation of the Immune Response in Murine Models
- Christopher Moxon, UK / Malaw: EC EPCR and Malaria



## **THERAPEUTICS OF TOMORROW: D. Varon and Y. Kawai - June 25**

- Margaret Ozelo, Brazil: Impact of New Therapeutics in the Developing World
- Morty Poncz, USA: In Vitro Platelets
- Paul Monahan, USA: Gene Therapy for Hemophilia
- Koen Mertens, Netherlands: Altered FVIII and FIX and Assay Differences
- Alan Mast, USA: TFPI
- Tadashi Matsushita, Japan: Soluble Thrombomodulin as a Therapeutic (ART123)
- Midori Shima, Japan: Bi-Specific Antibodies as FVIII Mimetics in Hemophilia

## **PEDIATRIC AND PERINATAL HEMOSTASIS: D. Newman and D. Kennet - June 25**

- Claire McLintock, New Zealand: Obstetrical Hemostasis
- Gili Kenet, Israel: Neonatal Thrombosis and Hemostasis or Platelet Assessment and Treatment in the Newborn
- Guy Young, USA: Newer Antithrombotics in Pediatrics
- Ulrike Nowak-Gottl, Germany: Post Thrombotic Syndrome in Children
- Martha Sola-Visner, USA: Understanding the Neonatal Platelet

### **Quick Links**

[SSC 2014 Program](#)

[SSC 2014 Education Program](#)

[SSC 2014 Trainee Day Details](#)

[Register to Attend SSC 2014](#)

[Milwaukee Hotel Accommodations](#)

[Travel Information](#)

## **Plan Now to Attend Summerfest – World’s Largest Music Festival – Following SSC 2014**

As the SSC 2014 meeting is coming to a close, just around the corner from the convention center and lakefront, the world’s largest music festival kicks off with the music industry’s hottest stars, emerging talent and local favorites to create unforgettable live music experiences in a world-class festival setting. Summerfest features over 800 acts, and 1,000 live performances within 11 days. With Usher recently announced as a notable headliner, the other shows are: Bruno Mars with special guest Aloe Blacc, June 25; Lady Gaga with Crayon Pop, June 26; Brad Paisley with Darius Rucker and Joel Crouse, June 27; Outkast with Gary Clark Jr., June 29; Dave Matthews Band, July 2; Zac Brown Band, July 3; Motley Crue with Alice Cooper, July 4; and Fall Out Boy and Paramore with New Politics July 5. [Click here for more information and to book your tickets today.](#)

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## **Don't Miss This! ISTH Academy Launches First Webinar**

The ISTH Academy, the official online education arm of the Society, is launching its first online webinar on Advances in Pediatric Thrombosis on May 28, 2014, at 12:00 GMT. It will be led by notable experts Paul Monagle (Australia) and Gili Kenet (Israel) who will delve into the advances in the field and clinical applications. Registration will open the first week of May online

The ISTH Academy will include comprehensive webinars, educational webcasts and dedicated online courses with international experts on a variety of topics related to thrombosis and hemostasis. All accessible from a computer and location of your choice, the ISTH Academy will offer unique opportunities to further your knowledge and build your understanding without managing travel budgets or flight plans.

Which topic would you like to see discussed in the next webinar?

- Prophylaxis in haemophilia
- Women and coagulation disorders
- Von Willebrand Disease
- Thrombotic Thrombocytopenic Purpura (TTP)
- Other – only if you can fill something in

**For additional information on upcoming ISTH Academy programming, please visit [www.isth.org](http://www.isth.org).**

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## **ISTH-EHA Fellowship – Now Open for Applicants!**

The EHA-ISTH Joint Fellowship is a collaborative program between ISTH and the European Hematology Association. It is intended to support the study of physiology of coagulation, bleeding or thrombosis. The award amount is € 50,000 per year for a maximum of two years. Applicants must have a mentor working in the candidate's proposed research field. Basic research, translational and clinical projects will be considered. [>>Read more](#)

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## **ISTH Second Advanced Training Course Report from Cascais, Portugal**

From March 13-16, 2014, the ISTH Second Advanced Training Course brought 150 professionals working in the field of thrombosis and hemostasis from over 40 countries to Cascais, Portugal. Facilitating networking between ISTH members is one of the most important tasks of the ISTH, and the Second Advanced Training Course provided a wonderful opportunity for both the participants and the faculty to spend three days of intensive discussions and exchange on the subjects of blood coagulation and bleeding disorders, platelets and venous

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thrombosis during the lecture sessions, the case presentations and the Meet the Expert sessions.

The course, led by ISTH Education [Committee](#) Chairman, Andreas Greinacher, was a resounding success. Over 90 percent of attendees rated the course as either “very” or “extremely” productive. Many attendees specifically highlighted the Meet the Expert sessions, with one attendee commenting, “It was of great value to meet experts in the field and to discuss controversial issues.”

The program opened with Björn Dahlbäck and David Lillicrap discussing blood coagulation and bleeding disorders, including sessions on the coagulation system, hemophilia treatment challenges, diagnosis of VWF and control of coagulation. Dr. Dahlbäck later commented that “[it was] a great course with dedicated and active participants and teachers in a wonderful environment, it was a privilege to be on the faculty.” On the second day, the program continued with Flip de Groot and Bernd Pötzsch wrapping up the discussions on blood coagulation and bleeding disorder by discussing hemostasis in patients with impaired liver function and how to approach patients with bleeding.

The remaining part of day two and beginning of day three was dedicated to venous thrombosis, with presentations by Sabine Eichinger, Flip de Groot, Sam Schulman and Bernd Pötzsch. Topics included the challenges uniquely faced by women and the risk factor of pregnancy and novel antithrombotic drugs. From there, the discussion turned to platelets and platelet disorders with discussions led by Christian Gachet, Andreas Greinacher and Ted Warkentin.

The exchange of information extended far beyond the daily speaker presentations, as the format of the course allowed for contributions from all parties throughout the day with free discussion sessions and the highly-regarded Meet the Expert sessions that extended well into the night. As one attendee stated, “The informal format for discussion with world experts at [every] stage of the meeting was great.”

By the end of the course, attendees left feeling enthusiastic and well-equipped with new and refreshed knowledge of the course subject material. Final comments from an attendee included that “I would highly recommend the meeting to colleagues and the learning experience was great.” The Society wishes to thank the ISTH Education Committee for organizing the course and the generous contribution from the course sponsor, Instrumentation Laboratory.

Future Advanced Training Courses are currently in development for other areas of the world. Going forward, the course topics and other activities overseen by the ISTH Education Committee will be informed by the ISTH Core Curriculum, currently under development.

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## **Q & A with ISTH Reach-the-World Fellowship Winner Daniella Mussio**

Three recipients of the ISTH Reach-the-World program were announced in the February ISTH e-newsletter. Ms. Julia Etulain (Argentina), Dr. Helen C. Okoye (Nigeria) and Dr. Daniella Mussio (Uruguay) were selected to receive fellowships for 2014. In this newsletter, Dr. Daniella Mussio shared her thoughts on receiving the fellowship and plans on future research.

Applications for the program are accepted June 1 and January 1 of each year. >>[Click here to learn more and apply!](#) The ISTH Reach-the-World fellowship program is supported in part thanks to an unrestricted educational grant from Bayer Healthcare.

Three recipients of the ISTH Reach-the-World 2014 fellowship were recently announced. They included: Ms. Julia Etulain (Argentina), Dr. Helen C. Okoye (Nigeria) and Dr. Daniella Mussio (Uruguay).

Below, Dr. Daniella Mussio, from Canelones, Uruguay, shared her thoughts on receiving the fellowship and revealed plans on future research.

### **1) Please describe your motivation for applying for an ISTH Reach-the-World fellowship (i.e. improve your research skills, improve healthcare in your community):**

Since I initiated my residency in 2012, I have been interested in thrombosis and hemostasis, especially in pregnancy and puerperium area. I regularly participate in the High Obstetric Risk Service in our hospital where pregnant patients with thrombophilia attend. I am especially interested in continuing my studies in this area.

### **2) Please describe how the fellowship will help improve your skills/knowledge as a physician/researcher/clinician:**

Uruguay doesn't have a well-organized way to sub-specialize in thrombosis and hemostasis area as it does for hemato-oncological one. This is the main reason for me to decide to apply for this fellowship. Additionally, this fellowship will provide me with a better clinical expertise and will improve my knowledge in diagnosis and therapeutic management of thrombosis and hemostasis patients.

### **3) What are you most excited about as you prepare for your fellowship?**

The Hematology Service, Clinical Hospital, School of Medicine, is the only service enabled to provide the degree of Hematologist in Uruguay. It is very important for us to have young medical doctors trained in the thrombosis and hemostasis field who are capable of promoting knowledge and starting research projects in this area.



### **MORE ABOUT THE ISTH REACH-THE-WORLD FELLOWSHIP PROGRAM**

The ISTH Reach-the-World Fellowship program aims to promote knowledge and expertise in one or all of the areas of medical care, laboratory methods and/or research. As part of the program, the Society provides fellows with financial support for travel, accommodation and living expenses for a fellowship period of up to four months.

In addition to the Reach-the-World Fellowship program and as part of the full suite of ISTH's Reach-the-World offerings, individuals from developing countries may qualify to receive discounted or free Society membership, travel grant opportunities, support for educational courses and the opportunity to participate actively in the global exchange of scientific and clinical information, regardless of where they live. To learn more about the ISTH Reach-the-World program, [please click here](#).

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### **Don't Miss Your Opportunity to Get Involved! Vote in the ISTH Council Elections – Deadline on May 8**

The ISTH Election for Council Class 2020 is currently open and all members are invited to vote according to instructions and a unique link sent in individual emails to members in early April. If you haven't received information to vote or have any questions about the election, please contact [headquarters@isth.org](mailto:headquarters@isth.org).

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### **Volunteer for an ISTH Committee – Deadline Extended to May 8**

At the upcoming ISTH SSC 2014 meeting in Milwaukee, the ISTH Council committees will change the composition of their membership for the 2014 – 2016 term, with several members rotating off the various committees.

As part of the continued desire to involve the wider ISTH membership in the leadership of the Society, to better reflect the breadth and diversity of ISTH's international community, **the ISTH is again calling for the expression of interest to volunteer to serve on ISTH Council committees**. The following committees will be accepting new members: Education & Outreach, Ethics, Finance, Governance, Lectures & Awards, Membership & Communications, Nominating, and Publications.

[View roles and responsibilities of committee members and learn how to express interest in joining a committee.](#)

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## Proposals for Topics Invited in New ISTH Guidance Development Process

The ISTH now invites our colleagues from around the world to submit requests and/or proposals for the development of guidance documents. Over the last few years, the ISTH – particularly through the excellent work of our Scientific and Standardization Committee and its Subcommittees – has developed several recommendations to provide guidance on specific clinical (therapeutic and/or diagnostic) questions of broad interest and applicability to the ISTH membership and wider medical/scientific community and for which evidence-based data is limited.

[Please read here more information on the development process of guidance documents, the Guidelines and Guidance Committee as well as how to propose topics for guidance development.](#)

To help with this goal, the Society has developed a new process for guidance submission under the leadership of the newly reconstituted Guidelines and Guidance Committee. Guidance documents produced by the ISTH are brief, focused statements of informed opinion on the diagnosis and management of disorders of hemostasis and thrombosis by experienced clinicians who are recognized authorities in the field and well acquainted with the existing medical and scientific literature. These statements are primarily intended to provide direction to practitioners for the management of disorders which lack data from randomized clinical trials for high level evidence based recommendations.

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## International Survey: Practice and Quality Management of Genetic Assays for Haemophilia A and B, from the Factor VIII and Factor IX Subcommittee of the SSC

Mutation analysis of haemophilia A and haemophilia B is routinely available in many countries and increasingly available internationally. Carrier and prenatal diagnosis by molecular analysis are now standard techniques. Despite the growth in molecular testing there are relatively few guidelines and external quality assurance schemes for the molecular analysis of the Factor VIII and Factor IX genes. **This questionnaire is a survey of current practices in laboratories performing molecular diagnosis of Factor VIII and/or Factor IX mutations.**

The aim of the survey is to determine current practice, encourage the development of appropriate quality assurance and harmonize current practices especially the reporting of genetic results.

All responses will be treated in the strictest confidence. There is no 'right' or 'wrong' response; the aim is to capture an overview of the current practice internationally.





Results and feedback will be analyzed and referred to by nation states and countries and not to individual laboratories.

To participate, please click [here](#). We ask that you also forward the link to relevant laboratories if applicable. **Deadline for participation: May 30, 2014.**

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### **Call for Participants! SSC Factor VIII and IX Subcommittee Project: Standardization of Post-registration Surveillance**

A SSC Factor VIII and IX Subcommittee project group, led by Prof. Flora Peyvandi, aims to establish the requirements for an international harmonized post-authorization study using existing national and international database infrastructure and consensus standardized minimum datasets. These data would complement limited pre-authorization data on product safety and hemostatic efficacy, as well as contribute to a greater understanding of immunogenicity and the potential implementation of novel more sensitive antibody detection assays.

In the recent years, many promising strategies are emerging to enhance especially the half-life of therapeutic proteins. These bioengineering strategies have been employed to manufacture novel coagulation factors that prolong the bioavailability with increased potency and resistance to inactivation and potentially reduced immunogenicity. These novel drugs have the potential to dramatically transform the treatment of hemophilia by substantially reducing the frequency of injections. Promising data from the pre-authorization phase of clinical trials have been presented. Nevertheless, a prolonged period of surveillance will be required to collect more accurate data on the safety and efficacy and additional data to ensure consistency in the long-term of novel drugs. Moreover, the available data on the novel long acting drugs are limited by the relatively few number of patients enrolled in the pre-authorization phase, and for this reason, large-scale post-marketing pharmacovigilance studies are necessary to gain sufficient numbers of patients for statistically valid assessments.

[Click here for more information or to participate.](#)

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### **New SSC Communications in the *Journal of Thrombosis and Haemostasis (JTH)***

The SSC publishes official reports, recommendations and deliberations regarding practical matters of research standards, methods and nomenclature in the JTH. In April 2014, the Animal Models subcommittee published the following recommendation in JTH: [“Strengths and weaknesses of a new mouse model of thrombosis induced by inferior vena cava stenosis: communication from the SSC of the ISTH.”](#)

Find the full list of the latest SSC communications online here.





## JTH Editor's Picks for April & Call for Papers

The *JTH* is the official journal of the Society and is the leading medical journal in the fields of thrombosis and hemostasis. Its current impact factor is 6.081.

[To access the JTH Editors' Picks for April 2014, click here.](#)

**Did you know?** You can find **past ISTH Congress abstracts** (years 2003-2013) [online via the JTH website.](#)

**Submit your best and latest research!** You are encouraged to submit your clinical or basic research to one of the highest ranked journals in the field of hematology: *JTH* <http://mc.manuscriptcentral.com/jth>.

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## Sidebar Content:

### Your ISTH Membership: Join or Renew

ISTH membership is an essential investment in your own future at every stage in your career. With membership, you receive the ISTH's popular publication, the Journal of Thrombosis and Haemostasis (*JTH*), timely information regarding thrombotic and bleeding disorders, targeted educational programs, networking opportunities and more! [Download our membership brochure here.](#)

#### Act Now!

- Visit [www.isth.org](http://www.isth.org)
- Click on "Membership" to learn more
- Register to become an ISTH member
- Begin enjoying the benefits today! [Click here to get started.](#)

If you are renewing your membership, [click here](#) or contact Ms. Hina Ahmed at +1 919-929-3807.

### ISTH Membership - New members for March 2014

Thank you to our new and renewing ISTH members. With your membership, we continue to work toward our mission of advancing the understanding, prevention, diagnosis and treatment of thrombotic and bleeding disorders. Your support doesn't end with becoming a member though. We hope you'll continue to support the ISTH throughout the year by participating in surveys, attending events, volunteering for committees and subcommittees and much more.

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## Future ISTH Education Courses

Moscow, Russia  
September 17-20, 2014

Buenos Aires, Argentina  
September 23-25, 2014

Hanoi, Vietnam  
October 9, 2014

More education courses coming soon! [To learn more or apply to help organize a course, please click here.](#)

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## **Related Meetings Calendar**

### **[Arteriosclerosis, Thrombosis and Vascular Biology 2014 Scientific Sessions](#)**

5/1/14-5/3/14. Toronto, Canada

### **[7<sup>th</sup> International Conference on Thrombosis and Haemostasis Issues in Cancer \(ICTHIC\)](#)**

5/9/14-5/11/14. Bergamo, Italy

### **[World Federation of Hemophilia 2014 World Congress](#)**

May 11-15, 2014. Melbourne, Australia

### **[MLTD 23<sup>rd</sup> International Congress on Thrombosis](#)**

May 14-17, 2014. Valencia, Spain

### **[7<sup>th</sup> Symposium on Hemostasis](#)**

5/15/14-5/17/14. Chapel Hill, NC, USA

### **[5<sup>th</sup> Japanese Society of Hematology \(JSH\) International Symposium](#)**

May 24-25, 2014. Hamamatsu, Japan

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## **In Other News:**

### **Succinct Review of the New VTE Prevention and Management Guidelines Now Available**

Venous thromboembolism is a major source of morbidity and mortality in the United States. The American College of Chest Physicians Antithrombotic Guidelines, 9th edition, includes a large number of clinical practice recommendations regarding the diagnosis, treatment, and prevention of venous thromboembolism. This succinct clinical review of these guidelines, endorsed by the ISTH, specifically focuses on the evaluation, treatment, and prevention of venous thromboembolic disease. [Read the full text of the guidelines here.](#)

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### **World Stroke Organization (WSO) Global Bill of Rights Survey**

The WSO is calling for stroke survivors and carers to provide input into a Global Bill of Rights for Stroke that will be released in 2014.

The World Stroke Organization Bill of Rights is being developed because of the urgent need for:

- Increasing stroke awareness among the population and government
- A global policy on stroke prevention, improved health services and long term support for survivors
- Enhanced advocacy: putting a face to the fight against stroke in as much as other diseases have, e.g., AIDS, cancer,
- tuberculosis, etc.
- A call-to-action reference document for advocates

Developed by stroke survivors and carers based on consultation with other stroke survivors and carers from around the world, the Bill of Rights will consider survivor priorities in all aspects of care and recovery. It is envisioned that this Bill of Rights will become a foundation document to support delivery of ongoing WSO and WSO member activities and to support global and local advocacy. The Global Bill of Rights will be launched at the [9th World Stroke Congress](#) taking place in Istanbul, Turkey from 22-25 October later this year.

Ensuring involvement of patients and care givers from around the world will be critical to the successful development of the Stroke Bill of Rights. So, if you are a stroke survivor or a stroke care giver, we would be grateful if you could please take some time to complete the [appropriate brief surveys](#). Your feedback is very important to us and will help us in crafting a document that can truly reflect the needs of the stroke survivor and stroke care giver global community.

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