



## **Programme of the Stirling Meeting Regulations for Poster Presenters Fees and Travel Arrangements**

**Please note!**

**Early registration with reduced rates ends on  
May 15<sup>th</sup> 2016.**

**Programme  
SRHSB Stirling Scotland 2016  
Wednesday 29<sup>th</sup> June to Saturday 2<sup>nd</sup> July 2016  
University of Stirling**

### **Wednesday 29<sup>th</sup> June**

#### **Executive Timings only**

10.30 – 13.30 Executive Meeting (with Lunch)

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#### **Conference opens for delegates**

##### **REGISTRATION**

12.30 – 19.00 (Local Organizing Committee/SBHSScotland)

13.00 – 17.00 Pre Meetings

Experimental Hydrocephalus (Hazel Jones)

Clinical Cases (Roger Bayston; Marcus Pauly)

18:30 Coaches leave for Dan Young Building (The Spina Bifida Hydrocephalus Scotland Family Support Centre)

19.00 Welcome Reception by the Minister for Health Quality, Scottish Government and Informal Presentations by SBHSScotland staff.

21.00 Coaches return to Stirling Court Hotel

### **Thursday 30<sup>th</sup> June**

##### **REGISTRATION**

08.00 – 13.30 (Local Organizing Committee/SBHSScotland)

8.45 Opening Remarks Andy Wynd and Rhoda Abel

9.00 – 11.00 **Special Symposium:** Genetics of Hydrocephalus and Spina Bifida

Chair: Jo Glazier, Margo Whiteford

Dr. Kate Storey - Mechanisms regulating neural differentiation

Prof Andrew Copp - Genetic requirements for fusion of the neural folds as the neural tube closes

11.00 - 11.15 Coffee

11.15 - 12.30 Session 1 NTD: From embryogenesis to clinical aspects

**Chairs:** Carole Sobkowiak, Andrew Copp

11.15 – 11.30 (Paper 1) Inositol for prevention of neural tube defects: the PONTI pilot randomised controlled trial

Andrew J. Copp, Kit-Yi Leung, Victoria Gay, Katie Burren, Kevin Mills, Lyn S. Chitty, Nicholas D. E. Greene, London, UK

11.30 – 11.45 (Paper 2) Fusion of the neural folds during neural tube closure: defining the genetic basis

Andrew J. Copp, Ana Rolo, Dawn Savery, Sarah Escuin, Sandra C. De Castro, Hannah E. J. Armer, Peter M. G. Munro, Matteo A. Mole, Nicholas D. E. Greene, London, UK

11.45 – 12.00 (Paper 3) Incidence of Tethered cord in children with Sacral Dimple

Kashif Chauhan, Mayriam Guessoum, Gulwish Moghul , Nia Fraser, Alan Williams, Sharon Scriven, Manoj Shenoy, Nottingham, UK

12.00 – 12.15 (Paper 4) Health Care Problems of Refugees with Spina Bifida in Germany

Reinhold Cremer, Cologne, Germany

12.20 Society Photograph

12.40 – 13.40 Lunch

14:00 Coaches Leave

15:00 Society Outing and Loch Lomond Cruise

17:15 Coaches leave to return to Stirling Court Hotel

19.00 Dinner at Stirling Court Hotel

**Friday 1<sup>st</sup> July**

**REGISTRATION**

08.00 – 13.30 (Local Organizing Committee/SBHScotland)

09.00 – 09.45 **Special Lecture 1:** Mark Hamilton – The Role for Endoscopic Third Ventriculostomy in the Adult Hydrocephalus Patient

**Chair:** Pat McAllister

10.00 -10.45 **Session 2 Neurosurgery**

**Chair:** Mark Hamilton, Maria Cartmill

10.00 – 10.15 (Paper 5) Endoscopic Third Ventriculostomy in the Under Ones is a Successful Strategy for Managing Hydrocephalus

Maya Kommer, Emer Campbell, Roddy O'Kane, Glasgow, UK

10.15 – 10.30 (Paper 6) Flexible Neuroendoscopy: A Buyer's Guide

Aditaya Kumar, Emer Campbell, Roddy O'Kane, Glasgow, UK

10.30 – 10.45 (Paper 7) Title: Lumbar-Peritoneal Shunting in Hydrocephalus: Preventing Chiari Malformations and Decreasing Shunt Revisions

Carolyn Harris, Neena I. Marupudi, Tanya Pavri, Rasanjeet Singh, Abilash Haridas, Steven D. Ham D.O., Sandeep Sood,, Detroit, Michigan, USA

10.45 – 11.00 Coffee

11.00 – 12.30 **Session 3 Guthkelch Award Finalists**

**Chairs:** Carolyn Harris; Montserrat Guerra

11.00 - 11.15 (Paper 8) **Mortality of patients with myelomeningocele - a population based study**

Joel Haakon Borgstedt-Bakke, Mikkel Mylius Rasmussen Aarhus,Denmark

11.15 – 11.30 (Paper 9) **Corpus callosum structure and auditory interhemispheric transfer in spina bifida myelomeningocele**

Kailyn A. Bradley, Jenifer Juranek, Anna Romanowska-Pawliczek, H. Julia Hannay, Paul T. Cirino, Maureen Dennis, Larry A. Kramer, and Jack M. Fletcher Houston, TX, USA; New York, NY, USA; Toronto, ON, Canada

11.30 – 11.45 (Paper 10) **Aquaporin-1 expression in human choroid plexus development and its variation in Arnold Chiari type I and lissencephaly pathologies**

Leandro Castañeyra-Ruiz Agustín Castañeyra-Perdomo, Ibrahim González-Marrero, Emilia M.Carmona-Calero, Gundela Meyer, Leandro Castañeyra-Ruiz La Laguna, Tenerife, Islas Canarias, Spain; Puerto del Rosario, Fuerteventura, Spain; La Laguna, Tenerife, Islas Canarias, Spain

11.45 – 12.00 (Paper 11) **Potential protective role of reactive astrocytes in the periventricular parenchyma in congenital hydrocephalus**

María García-Bonilla\*, Kirill Shumilov, Ana Peñalver, Laura Castilla, Francisco J. Alonso, Javier Márquez, María-Luisa García-Martín, Carmen Muñoz, Antonia Gutierrez, Antonio J. Jimenez Malaga, Spain

12.00 – 12.15 (Paper 12) **Neonatal hydrocephalus is a result of a block in folate handling and metabolism involving 10 formyl tetrahydrofolate dehydrogenase.**

Naila Naz, Alicia Requena Jimenez, Anna Sanjuan-Vilaplana, Megan Gurney, Jaleel Miyan Manchester, UK

12.15 – 12.30 (Paper 13) **Cognitive rehabilitation of executive functions in adults with spina bifida: efficacy of goal management training**

Jan Stubberud, Donna Langenbahn, Brian Levine, Johan Stanghelle, Anne-Kristine Schanke Nesoddtangen, Norway; New York, NY, USA; Toronto, Canada; Oslo, Norway

12.30 – 13.30 Lunch

13.30 - 14.15 AGM

14.30 – 15.45 **Session 4 Hydrocephalus: experimental and clinical aspects**

Chair: Hazel Jones; Jaleel Miyan

14.15 – 14.30 (Paper 14) **Novel method for assessing pressure-induced neuronal injury patterns *in vitro*.**

Michael E. Smith[1], Ramin Eskandari[1,2] Charleston, South Carolina, USA

14.30 - 14.45 (Paper 15) **Ventricular zone disruption in human neonates with posthemorrhagic hydrocephalus**

James P. (Pat) McAllister II , Maria Montserrat Guerra , Esteban M. Rodriguez , Diego M. Morales , and David D. Limbrick Jr, Saint Louis, Missouri, USA and Valdivia, Chile

14.45 – 15.00 (Paper 16) **Subcommissural organ (SCO) encapsulated cells to promote neurogenesis in hydrocephalic HTx rats**

Maryoris Jara, Mario Flores, Karin Vío, Ignacio Moreno, Sara Rodríguez, Esteban M Rodríguez1, Montserrat Guerra, Valdivia, Chile

15.00 - 15.15 (Paper 17) **Neural stem cells differentiate into multiciliated ependymal cells in vitro and after grafting into the cerebrospinal fluid of hydrocephalic HTx rats**

Roberto Henzi, Karin Vío, Montserrat Guerra, Pat McAllister, Conrad Johanson, Esteban M. Rodríguez, Saint Louis, Missouri, USA; Providence, Rhode Island, USA; Valdivia, Chile

15.15 - 15.30 (Paper 18) **Brain viscoelasticity and headache in chronically shunted hydrocephalus using Magnetic Resonance Elastography**

Kristy Tan, Avital Meiri, Adam L. Sandler, Rick Abbott, James T. Goodrich, Eric Barnhill, Mark E. Wagshul  
Bronx, NY, USA; Berlin, Germany;

15.30 – 15.45 Coffee (Delegates encouraged to final view Posters)

15.45 -16.30 **Special Lecture 2:** Roger Bayston – The Zika Virus and Microcephaly: Influence of External Infectious Agents on the Fetus

Chair: Helen Williams

16.30 – 17.15 **Session 5 Oral Poster Presentations** 3-5 minutes each (6 posters)

**Moderator:** Andy Wynd; Waheed Ashraf

16.30 - 16.37 (Poster 1) **Changes in clinical practice regarding brain imaging for patients with myelomeningocele and hydrocephalus due to increased awareness of risks from medical radiation**

Gregory Smookler, Alexis Daevenport, Holly Lai, Los Angeles, USA

16.37 - 16.44 (Poster 2) **Spinal dysraphism – experience of a southern Italy department and analysis of 141 cases**

Carmen D'Aleo, Caltanissetta, Italy

16.44 - 16.51 (Poster 3) **Enhanced attentional performance following pediatric goal management training in children with spina bifida: a pilot study**

Jan Stubberud Anne-Kristine Schanke, Lisbeth C. Brøndberg, Marie Hoff, Karen Grimsrud, Wenche F. Wilhelmsen, Pål-Erik Plaum, Trond Haagensen, Tove Helland, Julie B. Berge, Astri Å. Andersen, Marianne Løvstad, Oslo, Norway

16.51 - 16.58 (Poster 4) **A pilot study of pediatric goal management training in children with spina bifida: informant and self reports six months post-training**

Jan Stubberud, Anne-Kristine Schanke, Lisbeth C. Brøndberg, Marie Hoff, Karen Grimsrud, Wenche F. Wilhelmsen, Pål-Erik Plaum, Trond Haagensen, Tove Helland, Julie B. Berge, Astri Å. Andersen, Marianne Løvstad, Oslo, Norway

16.58 - 17.05 (Poster 5) **Closing the complex: a neurosurgical unit's experience with open myelomeningoceles**

Aditaya Kumar, Roddy O'Kane, Emer Campbell, Glasgow, UK

17.05 - 17.15 Coffee

17.15 - 17.45 **Session 6 History**

Chair: Reinhold Cremer

17.15 - 17.30 **60<sup>th</sup> SRHSB Archivist Presentation** - Ewen A. McKinnon

17.30 – 17.45 **Scotland's Contribution to Spina Bifida over the years** – Roddy O'Kane

19.00 Coaches leave for Annual Dinner and presentation of Guthkelch Award

19.30 Annual Dinner and with Guthkelch Award Winner Presentation at Stirling Castle

23:45 Coaches return to Stirling Court Hotel

**Saturday 2<sup>nd</sup> July**

**REGISTRATION**

09.00 – 13.30 (LOC/SBHScotland)

09.30 – 10.45 **Session 7 Hydrocephalus**

Chairs: Ian Pople, Laurence Watkins

09.30 - 09.45 (Paper 19) **Ventriculosubgaleal shunts can be used to delay permanent csf drainage in premature and low birth-weight babies**

Maya Kommer, Roddy O'Kane, Emer Campbell, Glasgow, UK

09.45 - 10.00 (Paper 20) **An audit of ventriculitis in external ventricular drainage after introduction of an antibacterial catheter over a seven year period.**

Liam Cain, Roger Bayston, Shazia Javed, Nottingham, UK

10.00 - 10.15 (Paper 21) **Reducing ventricular shunt malfunction in the adult patient**

Mark G. Hamilton, Geberth Urbaneja, Aaron Hockley, Albert Isaacs, Calgary, Canada

10.15 - 10.30 (Paper 22) **Investigating glial mechanisms of shunt obstruction in hydrocephalus**

Carolyn Harris, William Shain, Brian Hanak, M.D., Steven Ham, D.O. Detroit, Michigan, USA; Seattle, Washington, USA

10.30 - 10.45 (Paper 23) **Is cerebral ventricle filling a low pressure phenomenon?**

Helen Williams, London, UK.

10.45- 11.00 (Paper 24) **Surgery for intracranial arachnoid cysts in children—a prospective long-term study**

Katrin Rabiei, Mats Johansson Högfeltdt, Roberto Doria-Medina, MagnusTisell

Gothenburg, Sweden

11.00 – 11.15 Coffee

11.15 – 12.30 **Session 8 Urology and Psychology**

Chair: Chris Driver; David Nash

11.15 - 11.30 (Paper 25) **Experience of intradetrusor injection of Botulinum toxin A in children: a 10-year retrospective review**

Peeraully R, Lam C, Mediratta N, Williams A, Shenoy M, Fraser N, Nottingham, UK

11.30 - 11.45 (Paper 26) **Outcomes of urinary incontinence surgeries in spina bifida patients.**

Vinod Raj, Varun Hatiramani, Swathi Krishna, Santosh Karmarkar, Mumbai, India

11.45 - 12.00 (Paper 27) **Stronger links, stronger families; supporting families affected by spina bifida and hydrocephalus to be all they can be**

Sophie Tear, Rachel Lawson, Kim McKay, Vikki Rothero, Cumbernauld, UK

12.00 - 12.15 (Paper 28) **Developing a screening methodology for improving quality of life in children and young people with hydrocephalus.**

Chloe Geagan, Kirsten Verity, Edinburgh, UK

12.15 – 12.45 Break – (Packed Lunch collection) (judges discussion)

12.45 -13.00 **Welcome to St. Louis** – Pat McAllister

13.00 – 13.15 **Announcement of prize winners** (to be announced by Helen Williams, Marcus Pauly and Reinhold Cremer and Pat McAllister)

Best Clinical Presentation

Best Scientific Presentation

Poster Prize

President's Prize

13.15 – 13.30 Hosts and President Closing Remarks

13.30 Conference Close

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### **Executive Timings only**

14.00 - 16.00 Executive Meeting

## **Regulations for poster presenters:**

Posters will be presented in a special poster session on Friday afternoon, not in a poster walk. Posters may be presented for 1-2 minutes by a designated reviewer, followed by a statement and answers to questions from the author (max. 5 minutes per poster). Posters will also be presented on panels for viewing during the breaks. Authors are asked to be present at their posters for discussion.

Posters should be in place during Thursday morning and removed Saturday at close of conference. Fastening strips will be provided.

Preferred poster measures: height 1180 mm, width 841 mm.

## Conference registration and housing details:

### STIRLING 2016 - SRHSB Conference Registration and Accommodation Package

The SRHSB has a proud history of combining a high quality international clinical and scientific research conference with a truly “research family” focus for all those who work in and around hydrocephalus and spina bifida.

Not only will you be able to hear the latest research news across scientific and clinical areas but you will be part of a growing body of specialists in the field.

Couple this with an ideal opportunity to network worldwide and this year hear about the history and achievements of the SRHSB as it celebrates its 60th anniversary and to visit Scotland the home of Spina Bifida Hydrocephalus Scotland which also celebrates its 50th anniversary.

[www.sbhscotland.org.uk](http://www.sbhscotland.org.uk)

#### Early Bird Rates

All packages are fully inclusive (no hidden additional charges or taxes) and have early Bird rates automatically discounted on the price you pay dependent on date when you pay online.

	By May 15, 2016	After May 15, 2016	After June 15, 2016
<b>Registration</b>			
Member	£450	£500	£550 on site
Non-Member	£525	£550	£600 on site
Student	£325	£350	£400 on site
Student Day Rate	£120	£120	£140 on site
Accompanying Person	£310	£360	£400 on site
<b>Accommodation per night</b>			
Stirling Court Hotel (meeting site)		By May 15, 2016	After May 15, 2016
Single		£79	£79 based on availability
Willow Court (Campus) Housing (5 minute walk to meeting hotel)			
Single		£44	£44 based on availability
Colessio Hotel (5 star, 12 minute taxi to meeting hotel)			
Club Room		£109	£109 based on availability
Premium Room		£149	£149 based on availability

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The full Conference and accommodation package includes on site accommodation at the Stirling Court Hotel (<http://www.stirlingcourthotel.com/>) which is also the venue for the main conference sessions. In addition the cost includes an Opening Reception, Society Outing to Loch Lomond and Gala Dinner in a stunning venue for all resident delegates.



## Detailed meeting information and program access:

### **All attendees and members are encouraged to use the Whova app!**

This is a new feature that will be running throughout the conference and can be used immediately to find travel details, for example. It is now live and everyone who has a smart phone (either Android or IOS) should be able to download the app, register and gain access to the latest programme, ([http://www.whova.com/portal/sicss\\_201606](http://www.whova.com/portal/sicss_201606)) and also access to all travel arrangements (under the logistics icon). For those who have a blackberry or want to access a web version then the URL is [https://whova.com/webapp/e/sicss\\_201606](https://whova.com/webapp/e/sicss_201606). The travel information is presented as hyperlinks to the visit Scotland site and others so if you want to copy these to the SRHSB website as well then that will be fine.