

Wednesday, September 4th, 2024 (Day 1)

13:00-13:30 **Arrival coffee/tea**

13:30-13:40 Welcome

Perspectives on CSF dynamics

13:40-13:25 *Keynote Speaker 1: **Kristopher Kahle** (Harvard Medical School, USA)
Translational genomics of human congenital CSF disorders*

13:25-14:10 *Keynote Speaker 2: **Satish Krishnamurthy** (Upstate Medical University, USA)
Blood-brain barrier and choroid plexus interactions*

14:10-14:40 **Coffee/Tea**

Therapeutic approaches to NTDs and hydrocephalus – session 1

14:40-15:25 *Keynote Speaker 3: **Patricia Paez-Gonzalez** (University of Málaga, Spain)
Sequential stem cell therapy for hydrocephalus*

15:25- 16:10 *Keynote Speaker 4: **Benedetta Pettorini** (Alder Hey Children's Hospital, Liverpool, UK)
Title: TBC*

16:10- 17:40 **Submitted abstract presentations (up to 6)**

17:40-18:00 **SRHSB AGM**

19:00 **Dinner at Manchester Restaurant (pay individually)**

Thursday, September 5th, 2024 (Day 2)

08.30-9.00 **Arrival coffee/tea**

09:00-09:10 Welcome

Therapeutic approaches to NTDs and hydrocephalus – session 2

09:10-09:55 *Keynote Speaker 5: **Sofia Mastrodima-Polychroniou** (University College London, UK)
In utero repair of neural tube defects – open vs endoscopic approaches*

09:55-10:40 *Keynote Speaker 6: **Conor Mallucci** (Alder Hey Children's Hospital, Liverpool, UK)
Shunts vs ETVs for hydrocephalus*

10:40-11:00 Coffee/Tea

11:00-11:45 *Keynote Speaker 7: **Will Singleton** (University of Bristol, UK)
Title: TBC*

11:45-12:00 **Waite Hydrocephalus Student Bursary Award 2023: Tooba Asif** (National University of Science and Technology, Pakistan)
Investigating the role of folate transporters in the development of spina bifida

12:00-12:15 **Waite Hydrocephalus Student Bursary Award 2023: Laiba Taufiq** (National University of Science and Technology, Pakistan)
Molecular investigation of the association between folate enzyme mutation (MTHFR) and hydrocephalus disorder

12:15-12:30 **Waite Hydrocephalus Student Bursary Award 2023: Adithi Randeni** (University of Leeds, UK)
Composition of CSF in hydrocephalus

12:30-12:45 **Waite Hydrocephalus Student Bursary Award 2023: Joya Sims** (University of Manchester, UK)
Effects of hypoxia on AQP expression, CSF drainage and cerebral folate metabolism

12:45-13:30 Lunch

Experimental models for hydrocephalus and spina bifida

13:30-14:15 *Keynote Speaker 8: **Pat McAllister** (Washington & Virginia Commonwealth Universities, USA)
Large animal models for hydrocephalus research*

14:15-15:00 *Keynote Speaker 9: **To be confirmed.***

15:00-15:30 Coffee/Tea

15:30-17:00 Submitted abstract presentations (up to 6)

17:00- 17:15 **SRHSB/Integra Travelling Fellowship Award 2023: Mr Ashwin Kumaria** (Queen's Medical Centre, Nottingham, UK)
Observership in paediatric neurosurgery: A comparison of the management of hydrocephalus associated with paediatric brain tumours

17:15-17:30 **SRHSB/Integra Travelling Fellowship Award 2022: Dr Andrea Klein** (George Washington University School of Medicine and Health Sciences, USA)
Folate fortification in Zambia

17:30-17:45 **Harry's Hat Student Bursary Award 2023: Prisha Sharma** (University of Manchester, UK)
Comparison of the awareness of hydrocephalus and spina bifida in south Asians living in the UK compared to those in south Asia and the determination of best methods to raise awareness and empower women with the knowledge to prevent and/or detect hydrocephalus and spina bifida early through the get ahead initiative

19:00-22:00 Society Dinner – Sapphire Restaurant – short walk from conference venue

Friday, September 6th, 2024 (Day 3)

08.30-09.00 **Arrival coffee/tea**

09:00-09:10 Welcome

Glymphatics and CSF pathways

09:10-09:55 *Keynote Speaker 10: **Roxana Carare** (University of Southampton, UK)
Glymphatics, CSF and fluid movement through and out of the brain*

09:55-10:40 *Keynote Speaker 11: **Hannah Botfield** (University of Birmingham, UK)
Glymphatics and therapeutics for hydrocephalus*

10:40-11:00 **Coffee/Tea**

11:00-11:45 *Keynote Speaker 12: **Jaleel Miyan** (University of Manchester, UK)
TBC: Cerebral folate metabolism*

11:45-12:30 **Submitted abstract presentations (up to 3)**

12:30-13:30 **Lunch**

Patient perspectives

13:30-14:15 *Keynote Speaker 13: **Andy Wynd** (formerly CEO of SBH Scotland, UK)
Reflections on Innovative Practice to support those with spina bifida and hydrocephalus in Scotland*

14:15-15:00 *SHINE Charity presentations:
Gill Yaz: 1000 Voices -the experiences of adults with spina bifida*

***Bronwen Warner:** Transcutaneous spinal stimulation - a service review*

***Lindsey Reid:** Shall Wee Talk - working towards independence in CIC and transanal irrigation*

***Gill Yaz:** Shine's work with professionals*

15:00-15:30 **Coffee/Tea**

15:00-16:15 **Submitted abstract presentations and poster discussion**

16:15-17:00 **Meeting close - farewell drink/nibbles**

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