



12TH SYMPOSIUM OF THE INTERNATIONAL HYDROCEPHALUS IMAGING WORKING GROUP

HELD IN CONJUNCTION WITH THE INTERNATIONAL SOCIETY OF HYDROCEPHALUS AND CEREBROSPINAL FLUID DISORDERS

Cartagena, Colombia, October 10, 15:30-18:00 and October 11, 9:00-16:35

Time zone: COT / GMT -5h

For more information, please [visit IHIWG.org](http://IHIWG.org).



The Mission of the IHIWG is to advance the study of hydrocephalus utilizing a full range of imaging modalities. Advances in the study of the pathophysiology of hydrocephalus and related disorders will come from combining the knowledge base of diverse groups attacking these problems from different disciplines including neuroradiology, biophysics/engineering, basic science and clinical neurology and neurosurgery. Each of these disciplines has its own language and skill set creating barriers to advancement of the science due to the lack of a common body of information.

IHIWG is dedicated to breaking down these barriers leading to more rapid evolution of the understanding of hydrocephalus. To accomplish this vision, IHIWG will:

1. Hold international meetings expanded by virtual meeting using new meeting technology.
2. Identify leaders who have the skill set and energy to work with others in searching for answers, developing protocols, and assisting the other members in structuring their research.
3. Facilitate cooperation among scientists, engineers and clinicians so that propinquity diminishes as a barrier to advancement.

The meeting will be held in Cartagena, Colombia. For those that are not able to attend in person, an online connection is available (below). Please join IHIWG2016 meeting from your computer, tablet or smartphone by visiting Gotomeet.me/IHIWG2016.

You can also dial in using your phone and the numbers below along with Access Code: **777-711-565**.

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United States +1 (646) 749-3129

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Finland +358 (0) 923 17 0568

France +33 (0) 170 950 592

Germany +49 (0) 692 5736 7210

Ireland +353 (0) 15 360 728

Italy +39 0 247 92 13 01

Netherlands +31 (0) 208 080 219

New Zealand +64 9 909 7888

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IHIWG Symposium Program, October 10 & 11, 2016

Organized by: Vartan Kurtcuoglu, Hal Rekate, William Bradley, & Bryn Martin

MONDAY, OCTOBER 10

Joint program ISHCSF and IHIWG	15:30 - 18:00	Speaker	Talk Title
	15:30 - 16:00	Mark Hamilton	Work of the Adult Hydrocephalus Clinical Research Network
	16:00 - 16:30	Eftichya Kapsalakis-Fountas	The role of DTI in the contemporary imaging of NPH
	16:30 - 17:00	William Bradley	Changes in the glymphatic system with aging
	17:00 - 17:30	Pat McAllister	Basic research in hydrocephalus
	17:30 - 18:00	Petra Klinge	Translational research in cognition

TUESDAY, OCTOBER 11

Pulsatility	09:00- 10:30	Speaker	Talk Title
	09:00 - 09:30	Harold Rekate	Questions to be answered that are not defining a new syndrome
	09:30 - 10:00	Thomas Heldt	Fluids in a viscoelastic container
	10:00 - 10:30	Marc Luciano	The importance of pulse wave analysis
	10:30 - 11:00	Pat McAllister	Discussion of pulsatility session with analysis

Coffee Break 11:00 - 11:30

CSF Flow and Solute Transport	11:30 - 13:30	Speaker	Talk Title
	11:30 - 12:00	Karl Bechter	The peripheral CSF outflow pathways: Anatomical and physiological aspects
	12:00 - 12:30	Mikahil Papisov	Dynamics of cerebrospinal solute transport
	12:30 - 13:00	Olivier Balédent	Relation between flow and biochemical parameters in the CSF
	13:00 - 13:30	Vartan Kurtcuoglu	Flow versus solute transport in the CSF

Lunch 13:30 - 14:30

Mixed Session	14:30 - 16:30	Speaker	Talk Title
	14:30 - 15:00	Lynne Bilston	Tonsillar movement in Chiari I malformation with and without syrinx
	15:00 - 15:30	Harold Rekate	Anatomic localization of dysautonomia
	15:30 - 16:00	Bryn Martin	MRI-measurement and numerical modeling of intrathecal CSF dynamics in a cynomolgus monkey
	16:00 - 16:30	Aristotelis Filippidis	Brain water movement
	16:30 - 16:35	William Bradley	Invitation to the next IHIWG symposium in Long Beach