

4:15 – 5:15 PM : **The establishment of a Pediatric Neuroimaging Centre of Excellence – setting goals, research ethics, programme management and quality control:**  
Wendy Doda

## Day 2 – February 6, 2011

7:15 – 7:45 AM Breakfast

7:45 – 8:00 AM Opening Remarks Dr. Sankara Sarma

8:00 – 8:30 AM : **Technical Considerations and novel approaches for Sequence Design and data analysis in young children.**  
Wayne Lee

8:30 – 9:15 AM : **Means of optimizing functional neuroimaging studies in pediatrics:.**  
Dr. Taylor

9:15- 10:00 AM : Interesting case discussions- various members

10:00– 10:15 AM : 15 Minute Break for discussion (Refreshments)

10:15-10: 45 AM : **Introduction to Statistical Methods to assess innovations.**  
Dr. Sankara Sarma

10:45 – 11:00 AM Questions/Discussion

11:00 – 11:45 AM : **Statistical Methods in Neuroradiology Research:** Dr. Sankara Sarma

11:45 – 12:15 AM **Panel discussion: 'Researching new neuroimaging diagnostic tests and technology':** Indian and Canadian Faculty

12:15 – 1:15 PM LUNCH BREAK

1: 15 – 2:00 PM : **Panel Discussion: Current Status of Research in Neuroradiology Directions – Scope for Collaborations:** Indian and Canadian Faculty: All participants

2:00 – 3:15 PM : **Interactive session on Development of Centre for Excellence Establishment of oversight committee and mission statement:** Indian and Canadian Faculty: All participants

3:15 – 3:30 PM Feedback & Concluding remarks

## Day 3 – February 7, 2011

8:00 – 11:30 AM Wrap up Meeting with Organizers.

Please fill in the attached registration form and send it to

**Dr. Bejoy Thomas, [Lead Indian Organizer]**

**Department of Imaging sciences and Interventional Radiology,  
Sree Chitra Tirunal Institute for Medical Sciences and Technology  
(SCTIMST), Thiruvananthapuram, Kerala, India- 695011**

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ORGANISING A STRATEGIC PROGRAMME FOR DEVELOPING AN  
INDO-CANADIAN COLLABORATIVE CENTRE OF EXCELLENCE IN  
PAEDIATRIC NEUROIMAGING UNDER THE PARTNERSHIP  
DEVELOPMENT ACTIVITY OF DEPARTMENT OF BIOTECHNOLOGY, GOVT. OF INDIA &  
INTERNATIONAL SCIENCE AND TECHNOLOGY PARTNERSHIP, CANADA

First Indo- Canadian Collaborative Educational and  
Brain Storming Session on

# ADVANCED PAEDIATRIC NEUROIMAGING & RESEARCH METHODOLOGY

**5-6 FEBRUARY 2011**

AMC Seminar Hall

SREE CHITRA TIRUNAL INSTITUTE FOR  
MEDICAL SCIENCES & TECHNOLOGY (SCTIMST)  
THIRUVANANTHAPURAM, KERALA, INDIA.

JOINTLY SPONSORED BY  
DBT, GOVT. OF INDIA AND ISTP CANADA



Department of Biotechnology  
Ministry of Science & Technology  
Govt. of India





Dear colleagues,

It gives us immense pleasure and honor to announce the first Indo-Canadian Collaborative Educational and Brain Storming Session on 'Advanced Paediatric Neuroimaging and Research Methodology' jointly sponsored by ISTP Canada and Department of Biotechnology, Government of India to be conducted on 5-6th February, 2011 at Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Thiruvananthapuram, Kerala, India.

The session focuses on discussions on the existing limitations and future prospects in Advanced Paediatric Neuroimaging and Research in our country, striving towards a close co-operation between Indian and Canadian paediatric neuroscientists, towards establishing a mutually beneficial centre of excellence. We are also planning a short workshop on 'Advanced Paediatric Neuroimaging and Research methodology'. Leading Canadian experts in the field, Dr. Manohar Shroff, Dr. Susan Blaser, Dr. Margot Taylor, Mr. Wayne Lee and Ms Wendy Doda from the Department of Diagnostic Imaging, The Hospital for Sick Children, Toronto, Ontario, Canada will be participating in the sessions. In addition invited Indian experts are expected to attend the strategic meeting. This would be an excellent opportunity for Canadian and Indian experts to demonstrate their respective skills and determine how each side can profit from the knowledge and experience of the others; which will pave the way for excellent future collaborative efforts between the two countries in this field.

Dr. Manohar Shroff,

Lead Canadian Organiser

Dr. Bejoy Thomas,

Dr. C. Kesavadas

Indian Organisers

The registration for the workshop will be free including working lunches and snacks, however travel, transportation or accommodation for the delegates will not be provided by the organisers. The registration is open to Indian nationals working in any branch of neurosciences or paediatric radiology and will be limited to 50 participants. Participants of the workshop are expected to send a filled in registration form for consideration by the organizers. Students and academic neuroscientists will get preference for registration for the workshop. The workshop registration will be closed once 50 participants are registered. Spot registration will be available only for the workshop and based on availability of vacant positions.

So hurry up and register as an early bird if pediatric neuroimaging and research interests you!

## PROGRAMME

### PAEDIATRIC NEUROIMAGING AND DEVELOPING ADVANCED TECHNOLOGIES STRATEGIC MEETING

#### Day 1 – February 5, 2011

##### 7:15 – 7:45 AM Breakfast

- 7:45 – 8:00 AM** : Welcome Remarks: Dr. Bejoy Thomas and Dr. M M Shroff
- 8:00 – 8:30 AM** : **Neuroimaging approaches to Inherited Metabolic Disorders in Neonates and infants** : Dr. Susan Blaser
- 8:35 – 9:00 AM** : **Imaging in acquired white matter disorders in children – The need for new approaches** : Dr. M M Shroff
- 9:00-9:20 AM** : **An Introduction to the clinical scenario of pediatric neuro-metabolic disorders in India** : Dr. Bindu P.S.
- 9:20- 9:40AM** : **Indian experience and technological approaches to metabolic and demyelinating brain disorders** : Dr. Bejoy Thomas
- 9:40 – 10:00 AM** : **Indian experience with advanced imaging in paediatric demyelinating disorders** : Dr. C Kesavadas
- 10:00 – 10:15 AM** : **Panel Discussion: Acquired white matter disease in children**
- 10:15 – 10:30 AM** : **15 Minute Break for discussion (Refreshments)**
- 10:30 – 11: 15 AM** : **Vessel wall imaging – thinking outside the box in Pediatric Ischemic Disease** : Dr. Manohar Shroff
- 11:15 -11:30AM** : **An introduction to clinical scenario of pediatric stroke in India:** Dr. P.A Muhammed Kunju
- 11:30 –11: 50 AM** : **Case based reviews: Indian experience on Imaging of Pediatric Stroke:** Dr. Sunithi Mathew
- 11: 50 – 12:00 AM** : **Challenges in paediatric Neuro-anesthesia:** Dr. Gayatri.P
- 12:00 - 12:25 PM** : **Fetal Brain & Spine Imaging – the newest frontier in paediatric neuroimaging** Dr. Susan Blaser

##### 12:30 – 1:15 PM LUNCH BREAK

- 1:15 – 2:00 PM** : **Panel Discussion on development of Indo-Canadian Protocols and translational advances for neuroimaging in infants and children** Indian and Canadian Faculty
- 2:00 – 2:30 PM** : **Intractable Paediatric Epilepsy – latest advances of neuroimaging:** Prof: K. Radhakrishnan, Director, SCTIMST and Senior Prof. of Neurology.
- 2:30 – 3:00 PM** : **Functional neuroimaging in children: How fMRI and MEG can move into the clinical field** : Dr. Margot Taylor
- 3:00 – 3:15 PM** : **15 Minute Break for discussion (Refreshments)**
- 3:15 – 3:45 PM** : **Hypoperfusion or transport delay ? Measuring whole brain perfusion and transit time using CASL** – Wayne Lee
- 3:45 – 4.45 PM** : **Panel Discussion: Current Status of Paediatric Neuroimaging Directions-Scope for translational development:** Indian and Canadian Faculty