



German House for Research
and Innovation - New Delhi

Germany
Land of Ideas

Indo-German Seminar

on

Medical Imaging and Neurosciences: Diagnosis, Analysis and Treatment

**Date: 07 December 2014
(Sunday 09:45 AM to 06:45 pm)**

**Venue: National Brain Research Centre
Manesar**



Sponsors:

German House for Research and Innovation
(DWIH New Delhi)

National Brain Research Centre

Organizers:

National Brain Research Centre,
Forschungszentrum Jülich,

University of Cologne,

RWTH Aachen



About the seminar

This Indo-German seminar on Medical Imaging and Neuroscience is a joint effort of Indian and German leading institutes in Brain Research involving Medical Imaging in diagnosis, clinical neuroscience and Analysis and Technology development in this area. The focal points comprise the development of novel methods in the area of ultra-high field MRI, MEG/ EEG, and the development of hybrid imaging combining MRI with PET. Such combinations present unique opportunities for the simultaneous acquisition of structural changes, physiological and biochemical data and provide excellent perspectives for clinical application to neurological diseases, e.g., for the diagnosis and therapy of brain tumours.

About German House for Research and Innovation (DWIH)

The German House for Research and Innovation New Delhi, is the result of increasing cooperation between German and Indian academic and scientific communities. The German Government, with the support of the Federal Foreign Office (Auswärtiges Amt - AA) and the Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung- BMBF), to intensify international cooperation, has embarked to set up the DWIH in five countries around the world. India is one country where DWIH has its office in New Delhi.

About National Brain Research Centre

National Brain Research Centre is the premier institute in India dedicated to neuroscience research and education. Scientists and students of NBRC come from diverse academic backgrounds, including biological, computational, mathematical, physical, engineering and medical sciences, and use multidisciplinary approaches to understand the brain. The focal points comprise the development of novel methods in the area of EEG/MEG, fMRI, and the development of hybrid imaging tools e.g., neuospectroscopy, EEG/ MEG source localization, neuronavigation, etc. Such combinations present unique opportunities for the simultaneous acquisition of structural changes, physiological and biochemical data and provide excellent perspectives for clinical application to neurological diseases, e.g., for the diagnosis and therapy of brain tumours, localizing seizure zones in epilepsy and understanding the basis of human cognitive functions.

The seminar has been divided in to four research sessions and the highlight is a poster competition by the students and trainees. Best three posters will be given awards to encourage the young scientists.

Indo-German Seminar on Medical Imaging and Neurosciences, Diagnosis, Analysis and Treatment

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Time	Topic
9:45AM	Assembly and Tea
10:15 AM	Inauguration: Dr. T. S. Rao (DBT) Introduction to Cognitive Science Initiative: Dr. H. B. Singh (DST) Introductory remarks: Prof Prasun Kumar Roy (NBRC) Welcome: By German representative (to be named) Overview of program : By Dr. Arpan Banerjee (NBRC)
10:45 AM	<u>Session-I: Medical Imaging, Diagnosis, Treatment (Prof. Manjari Tripathi)</u>
10:45 AM - 11:15 PM	Medical Imaging in Neuroscience: Dr Joerg Mauler, Forschungszentrum Jülich
11:15 AM – 11:45 AM	Dr S. Senthil Kumaran (AIIMS)
11:45 AM - 12:15 PM	Prof. Manjari Tripathi (AIIMS)
12.00 PM - 12.15 PM	Discussion with speakers
12:15 PM - 01:00 PM	Boxed Lunch (Continued to poster session)
01:00 PM – 02:30 PM	<u>Session-II</u> <u>Poster Session (Students): Best three posters will be selected by a Jury</u>
2.30 PM	<u>Session III: Clinical Neuroscience & Brain Imaging (Dr. Nandini Chatterjee Singh)</u>
02:30 PM - 03:00 PM	Functional Brain Imaging in Clinical Neuroscience : Talk by Prof. Dr. med. Weiss Blankenhorn, University of Cologne
03:00PM - 03:30 PM	Prof Prasun Kumar Roy (NBRC)
03:30 PM - 04:00 PM	Dr Nandini Chatterjee Singh (NBRC)
04:00 PM - 04:15 PM	Discussion with speakers
04:15 PM - 04:30 PM	Tea/ Coffee
4:30 PM	<u>Session-IV: Analysis and Technology Development (Dr. Arpan Banerjee)</u>
04:30 PM - 05:00 PM	Technology Developments Driving Cutting Edge Neuro Imaging – Talk by Prof. Dr. med. Ferdinand Binkofski, RWTH Aachen
05:00 PM - 05:30 PM	Dr. Anil Mishra (INMAS)
05:30 PM - 06:00 PM	Dr. Arpan Banerjee (NBRC)
06:00 PM - 06:15 PM	Discussion with speakers
06:15 PM - 06:45 PM	<u>Concluding remarks:</u> Poster Award, Discussions, Vote of Thanks, Summary

Directions to NBRC

By Air

New Delhi is the nearest airport which is 35 KM from NBRC, prepaid and radio taxies are available from airport round-the clock.

By Train

From Delhi/New Delhi Railway stations:

Delhi, New Delhi and Anand Vihar Railway stations are connected by Delhi Metro Rail Network (<http://www.delhimetrorail.com/>), the nearest metro station is IFFCO Chowk metro station. NBRC is nearly 24 KM from this metro station. Interstate and city buses are available from IFFCO Chowk/NH-8 which drops you at NSG campus, NBRC is situated adjacent to NSG campus on NH-8 and is nearly 1.5 KM from NSG campus stand.

From Gurgaon Railway Station

Take an auto to come upto Gurgaon Bus stand. Interstate and City Bus Services going towards Manesar/ Dharuhera/ Rewari are available from bus stand which drop you at NSG campus.

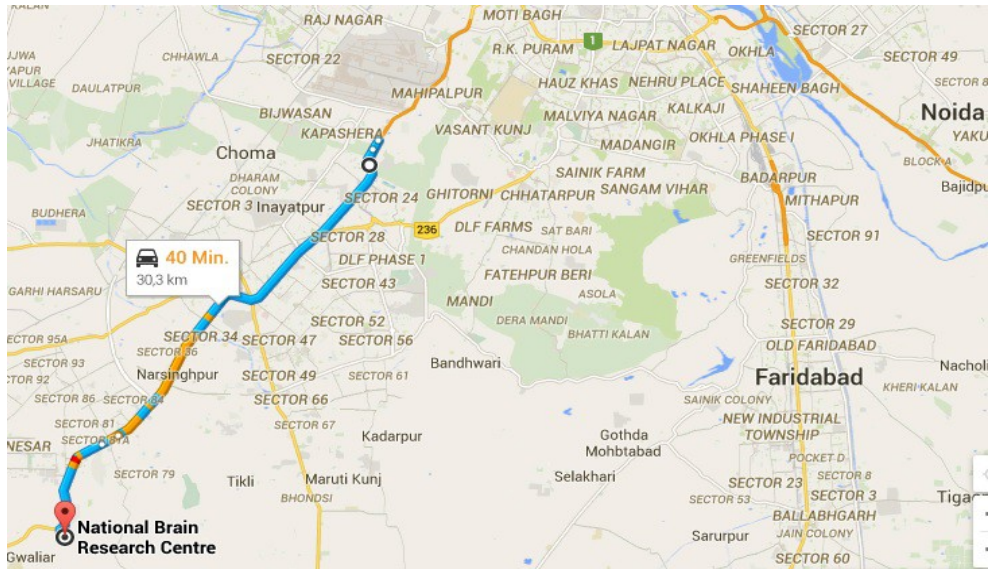
By Bus

Frequent Interstate buses going towards Rewari, Dharuhera, Jaipur etc. from various Interstate Bus terminals in Delhi/New Delhi, Dhoula Kuan, IFFCO Chowk are available which drops you at NSG Campus/ Manesar.

NBRC Bus Service

NBRC bus will operate on Sunday 7th December 2014 at 8 AM from IFFCO Chowk to NBRC and the same Bus will depart from NBRC to IFFCO Chowk at 6:45 PM.

Prepaid taxi's, Radio-taxi's and Auto-rickshaw are available from airport, railway-stations, metro stations and other important places in the NCR.



Workshop Registration is closed.