

❖ Name & Designation	: Dr. Waghmare Avinash Vishnupant, Senior Resident
❖ Address	: Dept. of Psychiatry, NIMI1ANS, Campus, Hosur Road, Bangalore-560029
❖ Name of the International Conference/ Seminar/Symposium/Workshop	: 11th Annual World Congress of the Society for Brain Mapping and Therapeutics 2014
❖ Title of the abstract accepted	: A Novel application of high frequency magnetic stimulation enhancing putative mirror neuron activity.
❖ Date & Venue	: 17-19th March, 2014. Sydney, Australia.
❖ Money sanctioned	: Rs 90,170/-
❖ Money reimbursed	: Rs 78,741/-

Participation Report

Organization of the Conference:

The 11th world congress was organized by Society for Brain Mapping and Therapeutics (SBMT) to bring together the professionals from engineering, art, science and medicine. Total 220 participants from countries had participated in the conference. The participants were researchers and clinicians from various fields. The conference had 8 plenary sessions and 27 parallel sessions spread over 3 days; covering various areas of brain research from basic neuroscience to specialized fields like psychiatry, neurology and neurosurgery. Participants had a good chance of networking with other researchers during the breaks.

Academic highlights of the Training/Workshops:

- i. **New development presented at the Training/Workshop:** Recent investigational and therapeutic developments in the field of neuroscience ranging from stem cell research and personalized medicine, neuro-trauma, neuro- oncology, neuro-radiology, neuropsychiatry, nano-bio-electronics and genetics. Developments in brain neuromodulation, sport and concussion, application of synchrotron radiation in neuroscience, use of targeted radionuclide therapy dosimetry using CLR1404, predictors of recovery in various disorders etc. were also presented.
- ii. **New developments resulting from the Training/Workshop:** The congress provided platform for developing research network among the participants across various parts of the world. It also brought the researchers and clinicians together. It must have stimulated professionals to explore and exploit on cognitive reserve in Alzheimer's and various neurological disorder; developing brain models for studying various disorders and how various interventions work in them. Presentations in the congress also help in improvising on current treatment modalities to improve response e.g. use of neuro-navigation for localizing brain areas before delivering TMS.

iii. **Name of the publication in case your work is recommended for publication:** One of the participants Ms. Allyson C Rosen, collections editor for **PLOS ONE, Neuromapping and therapeutics** recommended me to send my work to this official journal of Society for Brain Mapping and Therapeutics.

iv. **Recommendation:** Need for clinicians and researchers to come together for improvising on current investigational and therapeutic modalities.

● **Participant's contribution to the Training/Workshop:**

I had a poster titled "A novel application of high frequency magnetic stimulation: enhancing putative mirror neuron activity" and also had presented the same study as an oral paper. Some participants with interest in TMS expressed that this was a good study and if similar enhancement happens in patients with Schizophrenia it may improve their social cognition and will help a lot in their rehabilitation.

I had also interacted with the experts in field of TMS and could learn a lot from them. The interactions can result in future collaborative projects.