

Curriculum Vitae

1. Full Name (Title, Forename, Surname) : Dr Subham Samantaray
2. Direct contact number: (office number) :8895615688
3. Email ID: samantasubham@gmail.com
4. Expertise: Noninvasive brain stimulation, Electroencephalography, Event related potential
5. Current position: Clinical Research Training Program fellow, Clinical Research Centre for Neuromodulation in Psychiatry, Non PG senior resident at CIP, Ranchi; PhD resident in the department of Psychiatry, NIMHANS, Bengaluru.
6. Name of the institution: Central Institute of Psychiatry, Ranchi; National Institute of Mental Health and Neurosciences, Bengaluru
7. Educational qualification: MBBS, MD(Physiology)
8. Previous posts held (list the most recent first): Date from (mm/yyyy) Date to (mm/yyyy)
Position
 - i) Junior Resident in the Department of Physiology, Jawaharlal Institute of Postgraduate Medical Education and Research,
9. Education/training (list the most recent first): Date from (mm/yyyy) Date to (mm/yyyy)
 - i) MD, Physiology from 02/2018 to 04/2021
 - ii) Compulsory Rotatory Internship Training from 09/2015 to 08/2016
 - iii) MBBS from 08/2010 to 08/2015
10. Summary of scientific career to date, including key achievements?

After completing my MBBS from Sri Ramachandra Bhanja Medical college and Hospital, Odisha, I joined as a junior resident in the Department of Physiology, JIPMER, Puducherry. As part of my curriculum there, I have received training in heart rate variability analysis, electroencephalogram recording and spectral analysis using Brainstorm toolkit and electrophysiological recordings like Nerve conduction tests, Electromyography, visual, brainstem & somato-sensory evoked potentials, Repetitive nerve stimulation, H-reflex, F-reflex etc.

Apart from being trained in the above mentioned techniques, I have been also trained in undergraduate teaching for 3 years to MBBS and allied health science students.

As part of my MD dissertation, I have worked on the electroencephalographic spectral changes to evaluate post chemotherapy cognitive impairment among breast cancer patients.

11. Research Experience:

SKILLS & TECHNIQUES

I have good hands on experience and expertise on basic physiological techniques of research including Human and Animal Experimental Physiology.

1. EEG Recording and spectral analysis using Brainstorm platform.
2. Animal handling including surgical technique stereotaxy, cannulation to different brain nuclei, lesion making, brain perfusion techniques, tissue fixation processing and staining
3. Blood collection skills: Humans and rats
4. Spectral analysis of heart rate variability, continuous beat to beat blood pressure monitoring system, computerized body fat composition monitoring system and treadmill test.

5. Electrophysiological recordings like Nerve conduction tests, Electromyography, visual, brainstem & somato-sensory evoked potentials, Repetitive nerve stimulation, H- reflex, F-reflex etc.

6. Expertise in using statistical analysis software's such as Statistical Package for Social Sciences (SPSS)

12. Awards:

Best paper award in the oral presentation category in International e-conference on "Emerging Trends in Research – Emphasis on Basic Medical Sciences" held from 17th to 19th September, 2020, organized by the Departments of Anatomy, Biochemistry, Physiology and Center for Biomedical Research, AVMCH, Puducherry, India held from 17th to 19th September, 2020

13. Publications link : NIL