ONLINE RESEARCH TRAINING PROGRAM

Computational Neuroscience

A 10-week, mentorship-driven research training program 2026

DATES Jul 11 – Sep 12

MODE Online

LIVE 2 hrs / week

FEE US$ 375

PROGRAM VISION

A long-form, mentorship-driven program that introduces students to modern computational neuroscience — including the modeling of important brain structures, biologically inspired deep networks, oscillatory neural models, and computational models of sensory and motor function, learning and memory. Students first complete structured coursework, then transition into a supervised research track.

EXPECTED OUTCOMES

- A supervised research project
- A conference-ready abstract, co-authored with your mentor
- A GitHub repository with reproducible code



RESEARCH TRACKS

1. Developing PD Diagnostics Using Behavioural Data.
2. Deep Oscillatory Networks for Visuomotor Function.
3. Understanding Spatial Decision Making.
4. Driver drowsiness detection using EEG.
5. Developing Games for Autism.
6. 3D Movement Analysis using Neural Networks



Mentorship & Admissions

Weekly guidance from the lab that builds these models

Mentorship Structure

- Weekly 2-hr mentor call — clarify concepts, debug models, review progress
- Hands-on session (1 hour)
- Continuous chat support (Slack / Discord)
- Assignment grading & feedback from mentors
- Research-abstract drafting in the final 2 weeks
- Possible journal / conference publication

Admission Requirements

- Basic Python knowledge
- Interest in neuroscience & machine learning
- No prior research experience required

Beginners welcome — we start from first principles and build up to research.

LEAD INSTRUCTOR

VSC

Prof. V. Srinivasa Chakravarthy

Professor, IIT Madras · Biotechnology and Medical Science & Technology

Heads the Computational Neuroscience Lab, the Parkinson's Therapeutics Lab, and the Neural Engineering Lab at IIT Madras.

- B.Tech IIT Madras · MS/PhD UT Austin · Postdoc, Baylor College of Medicine
- IIT Madras Mid-Career Research Excellence (2018) & Teaching Excellence (2024)
- Author of two neuroscience books
- Inventor of the Bharati script · promotes science in Indian languages

DEADLINES

- 30th June 2026 - application deadline
- 5th July 2026 - selection results
- 8th July 2026- fee payment deadline

Ready to apply?

US$ 375 · payable before the program begins

Course runs July 11 – September 26, 2026

APPLY NOW →

- contactus@neurogati.com
- workshops@neurogati.com