

**Edmond and Lily Safra International Institute of Neurosciences
Neuroengineering Master Program
Macaíba, Rio Grande do Norte, Brazil**

OPPORTUNITIES:

Researcher Professor Positions | Neuroscience and Neuroengineering

The **Edmond and Lily Safra International Institute of Neurosciences (ELS-IIN)** is recruiting neuroscience and neuroengineering Researchers highly motivated to improve the society using science and education as tools. ELS-IIN is represented by the **Santos Dumont Institute**, an education and research non-profit social organization supported by the Brazilian Ministry of Education.

Overall research aim of ELS-IIN is to conduct basic and translational research in brain machine-interface, human-machine interface, neuromodulation, and to develop innovation with social impact.

ELS-IIN provides an unique facility with variety of techniques including cell biology, stereotaxic neuroimplant, multi-unit/behavior recording in animal models (rat, mouse and marmoset), fluorescent microscopy, confocal microscopy, electroencephalography, electromyography, kinematic, orthostatic body weight support, robotic gait support, immersive virtual reality, 3D printer, invasive and non-invasive neuromodulation, GPU workstation.

Responsibilities include laboratory and project management, experimental design, reviewing and preparing data, manuscript preparation, mentoring of students (PhD, master, high school fellows), technical assistance, public awareness of science (developing interactive projects with diverse public), administrative and scientific meetings, collaborative projects, and above all, ethical and professional behavior.

Required qualifications:

PhD level candidates with experience in neuroscience, neuroengineering, biomedical engineering, neurophysiology, signal processing, biotechnology, robotic, bio-inspired robotic or artificial intelligence.



Required skills:

- Task-project management;
- Data acquisition (EEG, spike, lfp, EMG, eye-tracker, inertial sensor, kinematic, microscopy, etc);
- Data analysis (programming, python, Matlab, GPU computing, statistics);
- Data documentation (presentation, paper, project, etc);
- Mentoring students to improve social skills, self-esteem, career, academic activities;
- High level of self-motivation to work with students and staff from diverse backgrounds;
- Verbal and written communication in English, and desirable Portuguese;
- Work in collaborative projects;
- Problem solving

Additional information:

Researchers share all the facilities, work collaboratively, and do not receive independent resources. They can work independently accordingly to the institutional mission, master program scientific branch and individual projects supported by external agencies. Competitive salary starts at assistant professor. Benefits include health and dental insurance plan, life insurance, chartered bus. Women, minorities and persons with disabilities are encouraged to apply.

To apply, please send a cover letter with scientific plan and skills, curriculum vitae, and ask 3 references to send Reference Letter directly to the e-mail address: rh@isd.org.br . Applications will be accepted until the positions are filled.

Beginning of the review process: **June 24, 2019.**

Beginning of work: **July and August, 2019.**

Yours faithfully,

Human Resources – Santos Dumont Institute

Please find some images of the ELS-IIN's facilities and events below







