



Schedule VIII Neuroengineering Symposium

Wednesday, November 9

09:00 - Opening lecture on “Translational research” with [Tom Chau](#) ([BRI](#), Canada)

09:35 - Lecture on “Neural activity underlying the normal and pathological processing of emotional memories” with [Gabrielle Girardeau](#) ([INSERM](#), France)

10:10 - Break

10:20 - Tutorial: tissue processing and microscopy techniques with [Felipe Porto Fiuza](#) (Santos Dumont Institute, Brazil)

10:20 - Tutorial: experimental design for the study of animal behavior with [Andressa Radiske](#) (Santos Dumont Institute, Brazil)

11:10 - Tutorial: tools for gait assessment and treatment with [Caroline Cunha do Espírito Santo](#) (Santos Dumont Institute, Brazil)

11:10 - Tutorial: Brain-Computer Interfaces and Support Technologies in the Motor and Cognitive Training Process with [Mauro Callejas Cuervo](#) ([UPTC](#), Colombia) e [Denis Delisle Rodriguez](#) (Santos Dumont Institute, Brazil)

11:55 - Break

13:30 - Lecture on “The shape of vocal communication in non-human primates” with [Daniel Yasumasa Takahashi](#) (Brain Institute, [UFRN](#), Brazil)

14:05 - Lecture on “Electrophysiological representations of outer and inner worlds” com [Sérgio Conde-Ocazonez](#) ([UDES](#), Colombia)

14:40 - Break

14:50 - Oral presentations

15:00 - Oral presentations

15:10 - Posters section

16:50 - End of activities

Thursday, November 10

09:00 - Lecture on "Implantable and wearable systems to restore neural functions" with [Silvestro Micera](#) ([EPFL](#), Switzerland)

09:35 - Lecture on the axis "Development and applications of devices in the health area" with [Mauro Callejas Cuervo](#) ([UPTC](#), Colombia)

10:10 - Break

10:20 - Tutorial: tissue processing and microscopy techniques with [Felipe Porto Fiuza](#) (Santos Dumont Institute, Brazil)

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11:55 - Break

13:30 - Lecture on "Novel stroke neurorehabilitation: neural interfaces from lab to patients' home" with [Ander Ramos Murguialday](#) ([University of Tübingen](#), Germany)

14:05 - Lecture on the axis "Development and applications of devices in the health area" with [Eduardo Rocon](#) ([CSIC](#), Spain)

14:40 - Break

14:50 - Oral presentations

15:00 - Oral presentations

15:10 - Posters section

16: 50 - End of activities

Friday, November 11

09:00 - Lecture on the axis “Clinical research” with [Birajara Soares Machado](#) ([Hospital Israelita Albert Einstein](#), Brazil)

09:35 - Lecture on “EEG correlates of consciousness: uncovering hidden signs in unresponsive patients with disorders of consciousness” with [Rodika Sokoliuk](#) ([Charité - Universitätsmedizin Berlin](#), Germany)

10:10 - Break

10:20 - Tutorial: tissue processing and microscopy techniques with [Felipe Porto Fiuza](#) (Santos Dumont Institute, Brazil)

10:20 - Tutorial: experimental design for the study of animal behavior with [Andressa Radiske](#) (Santos Dumont Institute, Brazil)

11:10 - Tutorial: tools for gait assessment and treatment with [Caroline Cunha do Espírito Santo](#) (Santos Dumont Institute, Brazil)

11:10 - Tutorial: Brain-Computer Interfaces and Support Technologies in the Motor and Cognitive Training Process with [Mauro Callejas Cuervo](#) ([UPTC](#), Colombia) e [Denis Delisle Rodriguez](#) (Santos Dumont Institute, Brazil)

11:55 - Break

13:30 - Lecture on “Fall prevention research in neurorehabilitation” with [Libak Abou](#) ([University of Michigan](#), USA)

14:05 - Lecture on “Evidence-based physiotherapy for people with Spinal Cord Injury” with [Lisa Harvey](#) ([University of Sydney](#), Australia)

14:40 - Break

14:50 - Oral presentations

15:00 - Oral presentations

15:10 - Cultural activities

16:50 - Closing ceremony