



SYLLABUS

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| University Unit: Center for Biological and Health Sciences | | |
| Graduate Program: Developmental Disorders | | |
| Degree: <input checked="" type="checkbox"/> Master degree <input type="checkbox"/> Professional Master degree <input checked="" type="checkbox"/> Doctoral degree | | |
| Subjects Social and Affective Neuroscience | | |
| Professor Paulo Sérgio Boggio | | |
| Observation | | |
| Workload: 48 h/a | Credits: 04 | <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optative <input type="checkbox"/> Elective |
| Syllabus: <p>The discipline deepens the study of social and affective development. The topics are developed in light of recent advances in neuroscience including information from neuroimaging studies, electroencephalography, noninvasive brain stimulation among others. The main topics are i. motor neural resonance during motor execution, observation and imagery, ii. neural substrates of social cognition, iii. neural networks of language, iv. Empathy (automatic and mimicry responses, perception of self and the other, perception and response to the feeling and suffering of others), v. social neuroscience of the stereotype and prejudice. For all topics, we will discuss the advances in this field for both the typical and atypical development.</p> | | |
| Program Content: Introduction to Social and Affective Neuroscience Motor Resonance Neuron-Mirror System Multisensory Integration Cortical-subcortical integration in social and emotional regulation Neural networks in the processing of language - prosody, recognition of emotions and language in context Empathy - from mimicry to responses to the suffering of others Neural basis of social pain Neural basis of Stereotype and Prejudice | | |
| Evaluation Criteria Evaluation: According to the General Regulation of Stricto Sensu Post-Graduation, Art. 98: A - excellent: corresponds to scores in the interval between 9 and 10; B - good: corresponds to scores in the interval between 8 and 8.9; C - regular: corresponds to scores in the interval between 7 and 7.9; R - reprovado: corresponds to scores in the interval between 0 and 6.9. | | |



References

Armony, J., & Vuilleumier, P. (2013), *The Cambridge Handbook of Human Affective Neuroscience*. Cambridge: Cambridge University Press.

Cabeza, R., & Kingstone, A. (2006). *Handbook of Functional Neuroimaging of Cognition*. (2nd Edition). Cambridge: The MIT Press.

Cacioppo, J.T., Tassinary, L.G., & Berntson, G. (2007). *Handbook of Psychophysiology*. Cambridge: Cambridge University Press.

Decety, J., & Cacioppo, J.T. (2011), *The Oxford Handbook of Social Neuroscience*. Oxford: Oxford Library of Psychology.

Decety, J., & Ickes, W. (2009), *The Social Neuroscience of Empathy*. Cambridge: The MIT Press.

Handy, T. C. (2004). *Event-Related Potentials A Methods Handbook*. Cambridge: The MIT Press.

Senior, C., Russell, T., & Gazzaniga, M. S. (2006). *Methods in Mind*. Cambridge: The MIT Press.