

Mateus JOFFILY

Research Engineer, CNRS

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Education:

PhD in Biophysics, Federal University of Rio de Janeiro, 2005.
M.Sc. in Biomedical Engineering, Federal University of Rio de Janeiro, 2000.

Fields of interest:

Neuroscience, biomedical signal processing, behavioral economics, experimental economics.

Current position

Research Engineer (BAP E), GATE (Groupe d'Analyse et de Théorie Economique), CNRS

Professional Experience:

Research Engineer (IR-2), Institut des Sciences Cognitives (CNRS), France, 2005-2007.
Research Fellow (IR-2), Psychiatry Institute of the Federal university of Rio de Janeiro (UFRJ), Brazil, 2007-2009.
Postdoc at the Center for Mind/Brain Sciences (CIMeC), University of Trento, Italy, 2010-2012.

Recent articles (selected)

- Palminteri, S., Khamassi, M., Joffily, M., & Coricelli, G. (2015). Contextual modulation of value signals in reward and punishment learning. *Nature Communications*, 6, 8096.
- Joffily, M; Masclet, D.; Noussair, N.C.; Villeval, M.C. (2014) Emotions, Sanctions, and Cooperation, *Southern Economic Journal*, 80(4), 1002-1027.
- Joffily, M; Coricelli, G. (2013) Emotional valence and the free-energy principle. *PLoS Computational Biology* 06/2013; 9(6):e1003094.
- Fontana, A P; Kilner, J M; Rodrigues, E C; Joffily, M; Nighoghossian, N; Vargas, C D; Sirigu, A (2012) Role of the parietal cortex in predicting incoming actions. *Neuroimage*, 59(1), p. 556-64
- Bault, N.; Joffily M; Rustichini, A.; Coricelli, G. (2011) Medial prefrontal cortex and striatum mediate the influence of social comparison on the decision process. *Proceedings of the National Academy of Sciences*, 108(38):16044-9.
- Coricelli, G.; Joffily, M; Montmarquette, C.; Villeval, M.C. (2010) Cheating, Emotions, and Rationality: An Experiment on Tax Evasion. *Experimental Economics*, 13(2), p.226-247.
- Pereira, M. G.; Erthal, F.C.S.; Oliveira, L.; Joffily, M.; Figueira, I.; Volchan, E.; Pessoa, L. (2010) Emotion affects action: Midcingulate cortex as a pivotal node of affective and motor interaction. *Cognitive, Affective, and Behavioral Neuroscience*, 10(1), p.94-106.
- Perakakis, P.; Joffily, M.; Taylor, M.; Guerra, P.; Vila, J. (2010) KARDIA: a Matlab Software for the Analysis of Cardiac Interbeat Intervals. *Computer Methods and Programs in Biomedicine*, 98(1), p.83-89.
- Coricelli G., Critchley H.D., Joffily, M., O'Doherty J.D., Sirigu A., and Dolan R.J. (2005) Regret and its avoidance: a neuroimaging study of choice behaviour. *Nature Neuroscience*, 8(9), p.1255-1262.