

# **Postdoctoral Research Fellowship in Neuroeconomics/Social Neuroscience: Lyon, France Center for Cognitive Neuroscience**

## **Job Description:**

Applications are invited for a postdoctoral position to study social decision making using fMRI in healthy subjects and intracranial recordings in patients with epilepsy. Our research group combines multimodal neuroimaging with computational modelling to characterize the neural mechanisms underlying human social decision making. The focus of the project will be to unravel the neural correlates of social decision making using probabilistic representations of other's intentions. We will use such approach to model ways in which we predict hypothetical action outcomes, the intentions of others and whether the other is cooperative or competitive. This will be implemented by parallel experiments using multimodal intracranial recordings and fMRI in humans. Candidates must have (or nearing completion of) a PhD degree in neuroscience, social psychology, behavioral economics, computational neuroscience or a related discipline. Candidates must have previous practical experience and working knowledge of human neuroimaging (EEG and/or model-based fMRI). The candidate must also have working knowledge of experimental statistics, signal processing and excellent programming skills in Matlab. Previous experience in simultaneous EEG/fMRI experiments, advanced multivariate data analysis and computational modelling is desirable but not required. The Institute of Cognitive Science (ISCMJ) is located in Lyon, France, a thriving university city. The institute hosts an interdisciplinary neuroscience community with access to several brain imaging facilities, such as one research-dedicated 3T scanner, MEG, TEP, intracranial EEG in patients with epilepsy and other useful resources (<https://dreher-team.wixsite.com/neuroeconomics>). This job is

available in 2021, initially for 16 months. Salary will be commensurate with experience and qualifications according to CNRS scales.

Candidates should send their CV, statement of research interests, representative publications, and contact information of two references to Jean-Claude Dreher, email: [dreher@isc.cnrs.fr](mailto:dreher@isc.cnrs.fr)