



# Funded postdoc opportunity

## On the neural basis of decision-making and motivation

Duration: 2 years (initial 1-year contract, renewable for an additional 1 year).

Starting date: September 2026 (but may be flexible).

Environment: Lyon Neuroscience Research Center (CRNL), a CNRS and INSERM laboratory, situated at Groupement Hôpitaux Lyon Est in Lyon, France. The CRNL is ideally located near both the neuroimaging center (equipped with a 3T MRI, soon-to-be-installed 7T MRI, MEG, and PET scanners) and the psychiatric and neurological departments of Lyon's hospitals. Lyon is a vibrant and beautiful city, just 1 hour from the French Alps by car, and 2 hours from the Mediterranean coast and from Paris by train. More information: <https://www.derosiere lab.com/> Recent publications: Trinh et al. (2026), *NeuroImage*; Derosiere et al. (2025), *Nature Communications*; Derosiere et al. (2025), *Communications Biology*; Neige et al. (2023), *Cerebral Cortex*.

Salary and benefits: ~€2300 net per month for candidates with less than 2 years post-PhD experience; €2450+ net per month for candidates with 2+ years post-PhD experience. In addition, the French health insurance is fully covered, along with other benefits, including reimbursement for public transportation.

Supervisor: Dr. Gérard Derosière, INSERM Researcher.

Project description: This project aims to leverage recent advances in effective connectivity quantification and modulation to explore the role of recurrent circuits between fronto-striatal structures and the motor cortex in effort-based decision-making, using a multimodal approach that combines computational modelling of decision behaviour, brain stimulation techniques and MRI.

Profile sought: We are looking for a highly motivated postdoctoral researcher with a PhD in Neuroscience or a related field.

Required skills: Proficiency in programming (Matlab, Python, and/or R); Autonomy in problem-solving and independent thinking; Experience in brain stimulation would be an asset or willingness to learn; Proficiency in English (speaking French would be a plus).

This position offers an exciting opportunity to work in a stimulating research environment and contribute to an important field of study with potential clinical applications!

**To apply, please send your CV, a cover letter, contact details for two referees, and one representative publication (authored by you) by email to: [gerard.derosiere@inserm.fr](mailto:gerard.derosiere@inserm.fr)**