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Dr Ede Rancz
Team Leader – Cortical Circuits Laboratory
Mediterranean Institute of Neurobiology (INMED)
Marseille, France

Marseille, 5 January 2026

PhD position in computational & systems neuroscience

We are recruiting a CENTURI PhD student to work on neuromodulatory control of predictive processing in the mouse visual cortex, jointly supervised by [Ede Rancz](#) (INMED) and [Laurent Perrinet](#) (INT).

The project combines computational modelling (spiking and normative models) with in vivo electrophysiology, imaging, behaviour, and optogenetics to study how serotonin and noradrenaline shape prediction error signalling during sensory-motor mismatch.

We seek a motivated candidate with a background in neuroscience or computational sciences, and experience in either experimental in vivo work or modelling (Python, neural networks).

Neuroscience research in Marseille is broad, diverse, and therefore very fertile. INMED and INT offers state-of-the-art research platforms and a collaborative scientific environment. The city of Marseille is a unique gem in the heart of the Mediterranean, culturally diverse and surrounded by magnificent nature.

Full project details can be found [here](#).

Application form [here](#).

Deadline: 28 January 2026

Please share, or contact us directly if you know strong candidates who would thrive at the interface of theory and biology.