We are recruiting a motivated postdoctoral fellow to study cerebellar circuit dynamics using optical voltage recording at the cellular level in behaving mice. Our team has developed ULoVE and 3D-CASH technologies and is the world leader for two-photon recording of Genetically Encoded Voltage Indicators (GEVIs), which is performed routinely in the lab on cell populations in vivo. Candidates will have performed in vivo multiphoton optical recordings or targeted patch-clamp recordings, must be skilled in programming (data analysis) and familiar with viral transduction and associated genetic strategies.

References:

Our lab, located in the Institut de Biologie de l’Ecole Normale Supérieure in Paris Latin Quarter, provides a rich and vibrant experimental and training environment, in addition to all the required facilities (animal breeding, virus production, imaging, FabLab), to embark on this project. The team is highly multidisciplinary, combining expertise ranging from state-of-the-art molecular biology to physiology, optics and instrumental development. The selected candidate will have full access to unique ultrafast random-access multiphoton microscopy, developed in the lab in the past decade.

Potential applicants should contact Vincent Villette at vincent.villette@bio.ens.psl.eu with their CV, cover letter, and contact information of one or more academic references.