

Two-year postdoc position at NeuroSpin on visual plasticity of blind individuals

We are looking for a motivated post-doctoral candidate to join the Cognitive Neuroimaging unit (UNICOG) at NeuroSpin, Paris-Saclay, France, to study the visual plasticity and potential cortical reorganization of blind individuals.

The project is led by Minye Zhan, in tight collaboration with Stanislas Dehaene and other researchers at NeuroSpin, Laurent Cohen at ICM in Paris, Jose Sahel, Serge Picaud and other scientists at the Vision Institute.

NeuroSpin is France's advanced brain-imaging center, hosting multiple state-of-the-art neuroimaging systems including three human MRI scanners (3T, 7T, and a world-record 11.7 T human scanner), three animal MRI scanners (7T, 11.7T and 17T), MEG and EEG facilities. UNICOG (lead by Prof. Stanislas Dehaene) studies higher-level cognition, and excels in experimental design. The successful candidate will benefit from the rich technological and experimental expertise in NeuroSpin.

The successful candidate will perform advanced fMRI analysis on individual blind participants, and participate in 3T, 7T fMRI data acquisition. In addition, the candidate may have the opportunity to gain hands-on experience of the 11.7T human MRI scanner.

Requirements for the candidate

- PhD in cognitive neuroscience, psychology, computational neuroscience, and related fields.
- Solid expertise in 3T or 7T fMRI analysis **at the single-subject level** (such as retinotopy analysis, or precision fMRI). 7T expertise would be a plus.
- Solid expertise in coding for data analysis, with programming languages such as R, or MATLAB, or python.
- Fluent in English. French speaking would be a plus.
- Excellent communication skills, ability to probe and deduce subjective percepts of the participants by asking questions.

This full-time postdoc position is funded for **two years**, expected to start **September 2024 or earlier**.

How to apply

Please send an email with "IHU-NeuroSpin-Vision" in the header, to giovanna.santoro@cea.fr, while including the following information:

- A CV.
- A short description (one or two pages) of your previous research experience relevant to the current project, and your research interests.
- Two letters of recommendation (or contacts from which those could be obtained).

Applications will be considered on a rolling basis, starting immediately. The recruitment is open until the position is filled.

For informal inquiries, please contact zhanminye@gmail.com .