2 POST-DOCTORAL POSITIONS at the VISION INSTITUTE, PARIS

We are seeking 2 creative, motivated and highly independent postdoctoral fellows to lead new research projects in our lab at the **Vision Institute in Paris**:
one with a strong expertise in **bioinformatics** (cell profiling or image analysis) and one with expertise in **hiPSCs and stem cell-derived organoids**.
These positions are fully **funded for 3-5 years**. Salary commensurate with experience and qualifications.
As a postdoc in our team, you will have access to state-of-the-art imaging and cell biology resources and collaborate with researchers and clinicians in both embryology and 3D microscopy. You will have the unique opportunity to work on interdisciplinary and international projects that span imaging, transcriptomics, proteomics, organoids, addressing important questions **in the field of visual system development, evolution and embryology.** Candidates should have proven research productivity as demonstrated by publications.

PostDoc Job offer #1
Key tasks and responsibilities:
- Develop and implement novel bioinformatics algorithms and tools.
- Generate and analyze large-scale transcriptomic datasets.
- Collaborate with experimental biologists to design and interpret experiments.
- Develop and use bioimage analysis pipelines for single cell analysis or large 3D image datasets

Qualifications in several of the following areas:
- PhD in Bioinformatics, Computational Biology or a related field.
- Strong programming skills (e.g., Python, R, Perl, or Java)
- Proficiency in statistical analysis and data visualization
- Previous experience in transcriptomics data analysis or image analysis

PostDoc Job offer #2
Key tasks and responsibilities:
- Develop and implement models of retinal organoids.
- Generate iPSC lines
- Assess the function of genes involved in retinal development

Qualifications in several of the following areas:
- PhD in Biology, Bioengineering or a related field
- Proficiency in Human and mouse stem cell-derived retina or brain organoids
- Experience in CRISPR-based genome editing
- Light-sheet microscopy and 3D/4D image processing
- Developmental neurobiology

Benefits

- Access to cutting-edge computational resources and training opportunities
- Collaborative work environment with opportunities for career advancement
- Opportunities for cross-training and networking with several top-rank institutions

To apply, please submit a cover letter outlining your research interests and career goals, a current CV, and contact information for three references.
Contact: Prof. Alain Chédotal; mail alain.chedotal@inserm.fr
Application Deadline: JUNE 1st, 2024