

**The Paris Brain Institute (ICM) is recruiting
a Post-Doctoral Researcher position
2-year position starting September 2023**

The Paris Brain Institute ICM is a private foundation recognized as being of public utility, whose purpose is fundamental and clinical research on the nervous system, located in the heart of the Salpêtrière Hospital in Paris. Six hundred fifty researchers, engineers, and physicians cover all the disciplines of neurology, intending to accelerate discoveries on brain function and the development of treatments for diseases such as Alzheimer's, Parkinson's, multiple sclerosis, epilepsy, depression, paraplegia, tetraplegia, etc.

POSITION:

Are you looking for excellent research opportunities for your post-doc at the forefront of Alzheimer's disease research that could lead to new therapeutic options? The [Paris Brain Institute](#) (ICM) is seeking a highly motivated post-doctoral researcher holding a PhD in neuroscience, molecular/cellular biology/biochemistry to work under the supervision of Dr. Marie-Claude Potier ([Alzheimer's disease and prion diseases at ICM](#)).

The two-year position is part of the European [COEN project](#) "**Reducing the production of toxic A β peptides in Alzheimer's disease by mutating the APP cholesterol-binding site: a new therapeutic strategy?**" that MC Potier is coordinating together with [Prof. Henrik Zetterberg](#) from Göteborg university Sweden. The postdoc will study an APP mutation in the cholesterol binding site that produces short and non-toxic A β peptides in iPSC-derived neurons and organoids and in mouse models and will test if, when added on the top of a familial AD mutation, it could prevent the production of toxic A β peptides. [Dr. Yann Héroult](#) and Dr. Denis Biard will produce mice and cells with the APP mutation. An industrial partner will develop new antibodies against these short A β peptides to measure their levels in biological fluids from elderly subjects with or without amyloid pathology in their brain. This project should provide data to consider long-term early preventive treatments producing short and non-toxic A β peptides such as γ -secretase modulators.

You will benefit from the excellent ICM platforms for iPSC, CRISPR, Cas9, imaging and lots more.

KEY RESPONSIBILITIES:

- Derive neurons and organoids from iPSCs (we already have iPSC clones with the mutation+/- the London mutation!)
- Analyse A β peptides production, in collaboration with our Swedish partner
- Collaborate with our external collaborators
- Communicate research findings through publications and presentations

KNOWLEDGE:

- A Ph.D. in a relevant field such as neuroscience, biochemistry or molecular/cellular biology
- Strong background in cell biology, better in iPSCs and derived neurons and/or organoids
- Immunohistochemistry on brain sections and ELISA for biomarkers will be a plus
- Fluency in English
- Experience with data analyses (statistics, R)

INTERPERSONAL SKILLS:

- Ability to work independently and manage a research project
- Strong collaboration and communication skills
- Rigorous and committed.
- You are passionate about the scientific environment.

The ICM is committed to diversity and equality in the workplace and encourages applications from underrepresented groups.

If you are interested in this exciting opportunity and meet the qualifications, please submit your CV, a cover letter outlining your research experience and motivation for the position, and two references' names and contact information.

CV to be sent to:

**recrutement@icm-institute.org indicating "Post-Doctoral Researcher position"
and to**

marie-claude.potier@icm-institute.org

I will be attending the AAIC (Symposium Wednesday the 19th of July at 9AM CET!!!