

Institute for **Advanced Biosciences**

CDD Chercheur(e) Contractuel(le) – Physiologie / Canaux Ioniques

Date prise de fonction : A partir du 1^{er} Janvier 2025

Durée : 2 ans – Temps plein

Site: Institute for Advanced Biosciences, Inserm U1209, Cnrs 5309, UGA. Grenoble, France.

A contractual researcher position is available at the Institute for Advanced Biosciences (Grenoble, France) within the team 'Physiology and Pathophysiology of Sperm cells', including 3 statutory researchers (DR2 CNRS, CRCN Inserm, MCF UGA), 2 contractual researchers (post-docs), 1 contractual Assistant Engineer and Master's students.

The researcher will take charge of the functional study of ion channels of the SLC superfamily that are essential for sperm motility and fertilization potential by using *in vitro* models of various expressing cell lines. In parallel, he (she) will be involved in the characterization of the signaling pathways activated by these ion channels in a physiological context and the study of their deregulation in the context of human asthenozoospermia.

Websites:

IAB: <https://iab-grenoble.fr/fr/l-institut>

Touré Lab: <https://tourelab.fr/>



Job profile

Level of study: PhD (or experience as a Research Engineer >3 years)

Skills

- Theoretical training in Physiology, Ionic homeostasis and pH, Ion channels
- Experience in fluorometric measurements of pH and ion transport (video microscopy and/or plate reader)
- Mastery of cell culture techniques (stable transfection, maintenance, freezing/thawing of lines)
- Mastery of molecular biology techniques (cloning, PCR, RT-PCR),
- Mastery of biochemistry techniques (Western blots, immunohistochemical staining)
- Mastery of biological and biochemical dosage techniques
- Mastery of cell imaging techniques (epifluorescence, confocal and high-resolution microscopy)
- Mastery of scientific and technical English
- Ability to work in a team



Activities

- Formulation of working hypotheses,
- Organization and planning of experiments
- Carrying out experiments
- Analysis and interpretation of data
- Data archiving
- Oral and written presentation of results
- Writing of articles and scientific reviews
- Training and supervision of students in mastered techniques

Application by email to Dr Aminata Touré: aminata.toure@inserm.fr

Reference to be mentioned in the title of the email “Post-Doc Application 2025 – NAME, First name”

Application deadline : November 30th, 2024

