

## Postdoc – Endoplasmic Reticulum homeostasis in diseases

The INSERM unit U1242 in Rennes (<https://oss-clcc-rennes.com/>) invites applications for a position as Postdoc in the fields of biochemistry/cell biology as per 1st November 2022 or later (the starting date is negotiable). The position is a fixed-term full-time position for 30 months.

### About the research project

The Anterior GRadient (AGR) proteins, which comprise AGR1, AGR2 and AGR3 belong to the Protein Disulfide Isomerase family. They are involved in secretory and transmembrane protein biogenesis in the endoplasmic reticulum (ER) and contribute to ER homeostasis maintenance. To date, the vast majority of the reports concerns AGR2, which has been shown to exhibit various subcellular localizations and to exert pro-oncogenic functions. The objectives of the project aim at i) characterizing the interactome of AGR proteins in different cellular compartments, ii) evaluate the molecular and cellular functions these AGR-protein complexes and iii) evaluate their pathophysiological relevance in gastrointestinal inflammatory diseases and cancers.

### Your job responsibilities

Your main tasks will consist of:

- Independent research of high international quality, including publication.
- Contributing to the lab life and organization
- Supervising at least one PhD student or junior scientist in the lab.

### Your competences

You have academic qualifications at PhD level, preferably within the areas of cell biology or cancer biology. The applicant must have expertise in cell culture (including transfection, siRNA-based knockdown...). molecular biology techniques (PCR, RT-PCR, cloning, DNA gel electrophoresis...), biochemical techniques (SDS-PAGE, western blot, immunoprecipitation, proteomics analyses...).

### Application

Your application must include the following:

- Motivated application
- Curriculum Vitae
- A list of publications
- References
- Recent (less than 6 months) international experience **is required**

### Contact

Eric Ogier-Denis ([eric.ogier-denis@inserm.fr](mailto:eric.ogier-denis@inserm.fr)) or Eric Chevet ([eric.chevet@inserm.fr](mailto:eric.chevet@inserm.fr))