



### PhD in Neuroscience (open-position)

The PhD project aims to investigate the role of the extracellular matrix protein Reelin on glutamatergic AMPA receptors function in the developing somatosensory cortex. A recent report of a patient carrying a novel gain-of-function variant of RELN (termed RELN-COLBOS) who developed resilience against presenilin-linked autosomal-dominant Alzheimer disease has generated enormous interest. The following techniques will be used in this project: next generation sequencing, organotypic brain slice cultures, gene gun transfection, whole brain Golgi staining, reelin conditional knockout mice, confocal microscopy, 3-D neuronal reconstruction, and bioinformatics.

#### Student Eligibility to Apply\*:

- Have a GPA  $\geq$  3.5/4.0 with Master degree.
- Have no employment or other financial sponsorship.
- IELTS score of 6.5 (or equivalent) or higher.
- Have a Master degree in a relevant area, i.e. Biology, Molecular Biology, Genetics Biophysics, Chemistry, Biomedical science, Neuroscience.

#### Benefits:

- Full tuition waiver if you are eligible for basic scholarship.
- Monthly Stipend: AED 6,500/month.
- Health insurance (if needed).

#### Duties and Expectations:

- Maintain GPA  $\geq$  3.5 at the Master level.
- Be available at UAEU full time.
- Commit to a minimum of 40 hours/week on courses and/or research project throughout the year.

**Duration:** 4 years

#### Deadline:

- The application deadline for this position is **31-07-2024**

#### Contact us:

Asst. Prof. Dr. Mohammad I. K. Hamad  
Department of Anatomy  
Medical faculty  
College of medical and health sciences  
Email: [m.hamad@uaeu.ac.ae](mailto:m.hamad@uaeu.ac.ae)