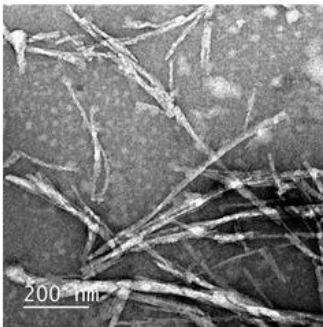
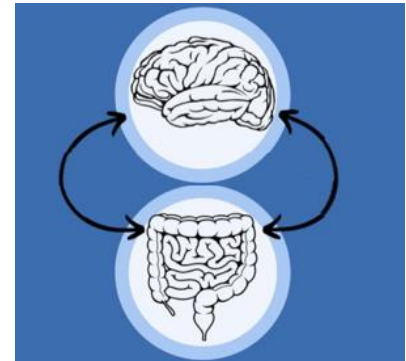


# 1 PhD position (2022-2023)

## Connecting microbiota and neurodegenerative diseases

Opening position to candidates for 1 PhD positions associated to a project from the Spanish Ministry of Science and Innovation (PID2020-117454RA-I00). The candidates will join the “SELF-ORGANIZATION IN BIOLOGICAL SYSTEMS” group at the Biochemical and Molecular Biology Department of the Autonomous University of Barcelona (<https://www.uab.cat/>).



We are looking for highly motivated candidates. The PhD students will help to find a connection between microbiota and neurodegenerative diseases. Specifically, a connection with the aggregation prone proteins expressed by the gut microbiota.

We use multidisciplinary approaches including bioinformatics, biophysical and in vivo models to analyse the prion-like behaviour of the proteins expressed by the gut microbiota and uncover its ability to transmit an aggregated conformation to the brain.

We aim to discover bacterial strains, protein candidates and transmission mechanisms to inspire new treatments for neurodegenerative diseases.

### REQUIREMENTS:

Candidates should have a university degree and a master's degree in biology-related areas. We are looking for candidates with a final grade of university degree of 8.5 or above. We will ensure economical support until obtaining a fellowship. We also accept candidates to perform the master's degree in our lab.



Interested candidates should send the following documentation to [natalia.sanchez@uab.cat](mailto:natalia.sanchez@uab.cat):

- A full CV.
- Document showing the final grades.
- A motivation letter.
- A reference letter.

The candidates will be selected on the basis of academic and technical experience and reference letters.

**Group page:** <https://sites.google.com/view/degrootlab/>

