

## Would you like to harness synthetic biology to study brain transport and create new systems for brain delivery?

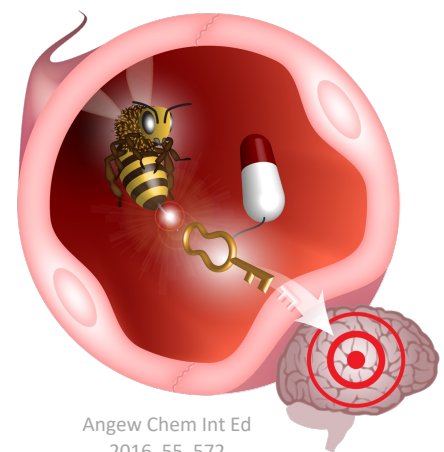
### The project and the team

Current treatments against brain diseases have very low efficacy due to the incapacity of most drugs to cross the blood-brain barrier (BBB) and target particular cell populations. In our group we are developing targeted delivery systems that transport biotherapeutics across the BBB.

We have recently been awarded a highly prestigious grant by the European Research Council to develop new strategies to deliver large therapeutics into the brain with unprecedented efficiency and selectivity. In your project you will be applying cellular and synthetic biology, as well as protein engineering, to study transcytosis at the BBB and create a paradigm-shifting system for brain delivery.

You'll be part of a young, dynamic, and international team at IQS Barcelona. We invite you to visit our website [www.pptn.iqs.edu](http://www.pptn.iqs.edu)

We aim to contribute to pushing the boundaries of knowledge but our main goal is to grow and enjoy science together!



### Your profile

- PhD degree with a background in molecular and cellular biology
- Experience in the following fields will be valued: intracellular trafficking, synthetic biology, protein engineering, membrane proteins, advanced microscopy, blood-brain barrier cell-based models
- Strong motivation, proactivity and creativity
- Good social skills to work in a team
- Excellent communication skills and fluency in English

### Fellowship details

- Two years of competitive funding with the potential of an extension
- Space for creativity, training opportunities, and career support
- Expected starting date: May 2023

### Applications are welcome until January 18<sup>th</sup> or until the candidate is found

Please send the following documents as a single pdf bearing your name to [benjami.oller@iqs.url.edu](mailto:benjami.oller@iqs.url.edu) :

- A motivation letter explaining your research experience, your main interests, and why you think you would be a good fit for this position
- Two reference letters and contact details of the referees who wrote them
- CV

Please submit your application email with "Postdoc SynBioBrain" in the subject line.