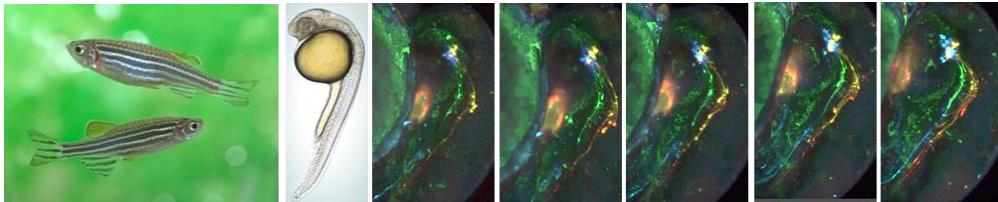


PhD student position

We are seeking a curious and persistent **PhD student** to join the Zebrafish developmental neurobiology research group led by Dr Savani Anbalagan at the IBMIB, Faculty of Biology, Adam Mickiewicz University, Poznań. Research in Anbalagan group is supported by NCN SONATA-BIS and SONATA grants.

Research question: Astrocyte are major glial cell types that regulate nervous system development, function, and animal behavior. Neurohypophyseal (posterior pituitary) glial pituicytes are astrocyte-like cells that promote local axonal and vascular morphogenesis, enable release of neuropeptides Oxytocin and Vasopressin into the peripheral circulation. Neurohypophysis dysfunction can lead to diabetes insipidus. Our group studies the role of glial pituicyte-derived paracrine signaling molecules that regulate neurohypophyseal morphogenesis using zebrafish as vertebrate organism.

The project will take advantage of the genetic amenability of zebrafish and optical transparency to understand how glial pituicyte-derived factors regulate local axonal morphogenesis. Using our recently developed CRISPR mutants and by generating novel transgenic fish lines, we will study how pituicytes regulate axonal morphogenesis. We will use advanced light microscopy techniques for characterizing the phenotypes.



Requirements:

- Awarded or soon to be awarded Master's degree in biology-related fields
- Hands-on experience in molecular biology skills
- All listed requirements in UAM doctoral school (<https://phdstudies.amu.edu.pl/snp/dokumenty-2/>)

How to apply:

- Interested candidates should e-mail the following documents to Dr Savani Anbalagan savanb@amu.edu.pl
 - motivation letter and CV
 - Copies of achievements (certificates of student grant, conference presentations, internship).
 - MSc diploma or anticipated date of diploma award
 - Name and contact details of MS thesis supervisor

Application deadline: 25.06.2023.

More information: <https://tinyurl.com/AnbalaganLab>

Please add **signed** consent clause in your application: "I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation)."