



Open PhD student/Postdoc positions in Systems and Quantitative Biology

The **Lukačičin lab** at the Department of Genetics, Comenius University, Bratislava is looking for a talented and motivated PhD student and/or Postdoc to join from **September 2025**.

At our Systems Biology lab, we investigate living organisms as systems of interacting parts. We employ quantitative and computational analyses to characterise processes in which the whole is more than the sum of its parts. We specialise in uncovering interactions between combinatorial perturbations, such as interaction between drugs (cf. Lukačičin & Bollenbach, 2019, *Cell Systems*) and we employ those to find new mechanisms of gene regulation (cf. Lukačičin et al., 2022, *Nature*).

We are looking for a PhD student and/or Postdoc to join our lab as part of the project 'Characterisation of drug synergies involving the ribosome' recently funded by the Slovak Research and Development Agency.

Your tasks

- Perform yeast growth assays under various perturbations with emphasis on reproducibility and quantitative characterisation
- Establish techniques to study regulation of translation under combination of various stresses
- Investigate the interactions between central processes, such as translation, transcription, intercellular signalling using a combination of genetic, physiological and microscopic assays
- Computationally analyse your own experimental data as well as data publicly available

Your profile

- you are a self-driven person, an independent thinker and you are motivated to investigate the molecular basis of life
- you have masters degree/PhD in systems biology, molecular biology, genetics, bioinformatics or a related field
- previous experience with quantitative/computational data analysis is an advantage
- you have a track record of accomplished research project appropriate for your career stage
- you have good communication and presentation skills

We offer

- work environment supportive of your development as a scientist and a researcher
- opportunity for wet scientists to acquire proficiency in computational analysis and vice versa
- accommodations for flexible working schedules
- fully funded position (min. class 6) in accordance with government reg. 553/2003
- health insurance
- subsidised student housing (PhD students)

For inquiries and application, mailto: martin.lukacisin@uniba.sk along with your CV that includes the contacts for referees and a brief statement of your motivation to join our lab. Applications will be accepted until all positions are filled.

