



## RESEARCH POSITION

# PhD student – Relationship of the gut microbiome and neuropsychiatric diseases

---

**LABORATORY / UNIT:** 151 Laboratory of Cellular and Molecular Immunology

---

## Position description

Monitoring the difference in the gut microbiome and metabolome in patients with anorexia nervosa in the acute and chronic phases. The gut microbiota of the patients will be transferred into the BALB/c mice strain in which a model of anorexia nervosa will be induced. In addition to changes in the gut microbiome and metabolome and differences in their behaviour, the effect on specific neurotransmitters in both the serum and brain of these mice will be investigated. Samples will be analysed using a wide range of molecular biological and immunological methods.

---

## Requirement

We expect that the applicant has the following qualifications:

- Education in the fields of immunology, microbiology, molecular biology, or medicine.
  - High motivation of the candidate to research the chosen topic.
  - Good knowledge of English (written and spoken).
  - Enthusiasm for laboratory work.
  - Ability to work as a team.
- 

## We offer

We offer the work in an inspiring and friendly environment. Full-time position - 40 hours per week. 30 days of paid holiday per year.

- Vocational training and language courses.
- Perspective, interesting and meaningful work.
- Other employee benefits: Multisport card, Flexi Pass, employee benefits also for family members (after the 1st year of employment).
- Meal voucher.

---

## Additional information

**STARTING DAY:** The position is open until filled, starting date is negotiable.

---

## How to apply

**Contact:**

RNDr. Petra Procházková, PhD ([kohler@biomed.cas.cz](mailto:kohler@biomed.cas.cz))

## Application deadline

- Open until filled.
-