**Institute of Microbiology of the CAS**

**Laboratory for Biology of Secondary Metabolism**

dr. Gabriela Balíková Novotná, PhD.

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**+420 325 873 600**; **+420 736 763 461**

<https://mbucas.cz/en/research/biogenesis/laboratory-of-biology-of-secondary-metabolism/>

* **Laboratory Technician** - Job Description: preparation of media and buffers, sterilisation of plastics, basic microbiological techniques and after training, antimicrobial testing.
* **Research Assistant/Post-Doc/Doctoral Researcher** with experience in microbiology/biochemistry/bacterial genetics - Job description: recombinant DNA preparation, culturing and testing recombinant strains (Staphylococcus aureus, Streptomyces), in vitro transcription/translation assay, antibiotic susceptibility testing.

**Laboratory of Immunotherapy**

prof. Luca Vannucci

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**+420 296 442 394**

<https://mbucas.cz/en/research/immunology/laboratory-of-immunotherapy/>

* **post-doc, scientist, student** possibly with experience in molecular biology and pathology (better if immunologist, but this we can teach). The topic/project is:study of inflammation in the tumor microenvironment and its immunomodulation

**Laboratory of Bioinformatics**

dr. Jiří Vohradský

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**+420 296 442 513**

<https://mbucas.cz/en/research/biology-of-the-cell-and-bioinformatics/laboratory-of-bioinformatics/>

* We would be happy to work with a candidate who has a background (**i.e. a university degree or at least 1 year of experience**) in at least one of the fields of programming, statistics, data science, bioinformatics. We are happy to train quite a bit, it is hard to get "already done" people in this field. Depending on specific experience, you would either work directly on data analysis for other labs or on developing tools for RNA-seq or tools for validating statistical models of sequencing data.

**Laboratory of Fungal Biology**

dr. Jan Jansa

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<https://mbucas.cz/en/research/ecology/laboratory-of-fungal-biology/>

* **Laboratory Technician** - Job Description: preparation of media and buffers, basic microbiological techniques, growth tests with pure strains of fungi and bacteria, stable isotopic (13C, 15N, D/H) labeling and tracing, DNA extraction from plant and soil samples, quantitative PCR analyses

**Laboratory of Molecular Biology of Bacterial Pathogens**

prof. Peter Šebo

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**+420 24106 2762**

<https://mbucas.cz/en/research/microbiology/laboratory-of-molecular-biology-of-bacterial-pathogens/>

* **Laboratory Technician** - Job Description: preparation of media and buffers, sterilisation of plastics, basic microbiological techniques and after training, recombinant protein production and purification.
* **Research Assistant/Post-Doc/Doctoral Researcher** with experience in microbiology/biochemistry/bacterial genetics - Job description: recombinant DNA preparation, culturing and of testing recombinant strains  of  B. pertussis, testing of ashesion and biochemical activities.