

The Director of the
Institute of Microbiology, Czech Academy of Sciences, announces

a vacant postdoc/senior scientist position, 100%

In the Laboratory of Fungal Ecology (lab 143)
(<https://mbucas.cz/en/research/ecology/laboratory-of-fungal-biology/>),
located in the main campus in Prague 4, Czech Republic

Duties and Requirements

The successful applicant is expected to build an independent scientific program within the Laboratory of Fungal Ecology, complementary or adding value to the ongoing scientific program on mycorrhizal ecology and physiology, multitrophic interactions in the mycorrhizosphere, fluxes of mineral nutrients and carbon in the ecosystems, and mycorrhizal benefits and costs. The applicant must be a PhD holder, fluent in English (understanding of Czech language is an asset but not mandatory), and is expected to demonstrate a strong track record in obtaining funding for own scientific projects, successful management of team of collaborators, and producing internationally visible research published in peer-reviewed journals (preferably within the 1st quartile), with the bibliographic indicators corresponding to his/her age and career stage. Main task of the applicant will be to build an independent working group (a team) secured by third-party funding awarded to the applicant, covering both salaries and lab expenses of the team, and producing world class science published in top scientific journals.

We offer

- Well-equipped standard biochemistry and molecular-biology labs, suitable for both DNA and RNA work (pipettors, sterile bench, centrifuges, incubators, fridges, freezers -20°C and -80°C, PCR cyclers, ultrapure water, fumehoods, autoclave, microbe cultivation facilities etc)
- Research glasshouse and growth chambers with „dirty lab space“ for processing plant and soil samples, chambers to label plants with ¹³C₂
- Permission and equipment necessary to work with low-activity radioisotopes (e.g., ³²P and ³³P) in the research facilities of the Laboratory
- Access to isotope-ratio mass spectrometer to analyze CNOH(S) stable isotopes in various kinds of samples, including a set of mills and a microbalance for sample preparation. Possibility to analyze highly isotopically-enriched samples

- Access to advanced equipment (ultracentrifuges, Sanger- and NGS sequencing facilities, various mass spectrometry and NMR instruments, GC- and LC-MS, bioinformatics support centre etc) on campus
- Long-term employment perspective within a vibrant scientific campus
- Salary according to current standards of the research institute (depending on age/carrer stage/achievements)
- 6 weeks (30 days) of holidays per year
- Canteen on campus
- Various employee benefits (contribution of employer to lunch expenses, contribution towards sport/leisure activities, contribution to retirement pension, language courses etc)
- Position available from 1 February 2020 at the earliest.

The application must contain

Current professional CV of the applicant

List of all scientific projects where the applicant was/is acting as a PI/co-PI

List of all scientific publications of the applicant, detailing journal quality (impact factor) and citations (please separate self cites from non-self cites)

Cover letter outlining scientific visions for short-, medium- and long-term future

Contacts of three persons which may be asked for a reference (usually former group leaders, collaborators etc)

Please forward your application by 15 February 2020 at the latest to dr. Jan Jansa, jansa@biomed.cas.cz. Any queries will be also handled at the same address.