



## Postdoc in computational or molecular genetics



**Algal evolution and ecology group** (<https://www.alga.cz/c-873-skupina-jana-janouskovce.html>) at Institute of Microbiology, CAS - Centre Algatech Třeboň, Czech Republic is seeking a postdoctoral researcher in Computational or Molecular genetics. The group, led by Jan Janoušek and Eva Horáková, is under the umbrella of Laboratory of Photosynthesis. We study the evolution, ecology, and molecular biology of algae, protists and cyanobacteria (e.g., Janouskovec et al., 2017, *PNAS* 114(2); Janouskovec et al., 2017 *Curr Biol* 27(23); Janouskovec et al., 2019, *eLife* 8, e49662). Located in a picturesque historic building in the middle of a UNESCO Biospheric Reserve and regional tourist hotspot, Centre Algatech hosts several internationally recognized groups in microbial research. With a high proportion of foreign researchers and a friendly, collegial atmosphere, Centre Algatech is driven by research excellence and currently hosts several major funding awards (ERC, EXPRO). The working language is English. We have outstanding facilities for modern biological research and strong ties with the Biology Center and University of South Bohemia in České Budějovice, the nearby regional capital.

**We seek** candidates with a strong background in **computational or molecular biology** to contribute to ongoing projects focused on single-cell sequencing, genome-to-function prediction, and gene characterization. We require a PhD degree in Computational or Molecular biology (or are about to finish one soon), first-author publications in well established journals, independent thinking, and strong communication skills. A candidate with a computational background will have experience developing computational pipelines, big data analysis, and Shell, Python/Perl, R, or other programming languages; experience with the preparation of sequencing libraries pipelines is a strength. A candidate with a molecular background will have strong experience in genetic transformation, gene cloning and expression analysis; experience with bioinformatics or metabolomics will be considered a strength.

**We offer** the candidates individual solid mentorship and opportunities to network, instruct PhD and MSc students and participate in international meetings. The projects involve collaboration with the University of Cambridge (UK), University of Southampton (UK), Alfred Wegener Institute (Germany) and ICM Barcelona (Spain). The institute will offer a postdoctoral contract based on standard Czech academic pay grades, considering the amount of previous experience. The contract includes full health and dental insurance paid by the employer and is topped with generous benefits, including lunch vouchers, sport activity vouchers, and a paid vacation of 30 days per year. The contract will be for 3 years, including an initial probation period of 3 months. The preferred start date is in the spring of 2022. Applications will be reviewed on a rolling basis and **we encourage early applications**. All applications received by March 31, 2022 will be reviewed. We welcome applicants from all minority backgrounds.

**To apply:** Please send a SINGLE PDF document in English containing the following information in the specified order to the assistant Lucie Fraitova: [fraitova@alga.cz](mailto:fraitova@alga.cz)

- Motivation letter detailing your fit for the position (1 page max. total)
- Curriculum Vitae including a complete list of peer-reviewed publications (3 pages max. total)
- Contact information for 2 academic referees (do not include letters with the application)

### **For further information about the position please contact:**

Jan Janouskovec: [janouskovec@alga.cz](mailto:janouskovec@alga.cz)

Institute of Microbiology, Centre Algatech, Trebon, Czech Republic