Postdoctoral Fellowship

Vilnius University Life Sciences Center, Lithuania.

Deadline for applications

2019 March 17.

About the project
The two-year postdoc fellowship project will focus on developing methods for prediction and assessment of 3D protein structure. The successful candidate will carry out the research under supervision of Dr. Česlovas Venclovas and in close interaction with other members of his group.

The aim of the research project is to advance protein structure prediction by combining data extracted from known protein structures with machine learning approaches. One of the research directions will be to investigate the utility of interatomic contact areas in training machine learning approaches aimed at predicting residue-residue contacts from multiple sequence alignments. Another direction will be to apply machine learning in combination with data on interatomic contact areas to improve the assessment of protein model accuracy.

Enquiries regarding this position should be addressed to Dr. Česlovas Venclovas by email ceslovas.venclovas@bti.vu.lt.

The application and all the additional application documents (signed by applicant and scanned) should be submitted by e-mail postdoc@cr.vu.lt.

Qualifications
• Ph. D. degree (or equivalent) in Computer Science, Bioinformatics, Biochemistry or similar
• Experience with UNIX/LINUX systems, programming in C/C++ and R
• Experience with machine learning methods
• Experience with scripting languages such as Perl or Python is a plus
• Fluency in English (written and spoken)

Application
The application must contain:
• Motivated letter of application
• Curriculum vitae
• List of publications
• Master and PhD diplomas
• Contact details of two persons for references

Applicants - researchers with a doctoral degree awarded by a foreign or other (non-University) Lithuanian research and higher education institution. The researchers must hold the doctoral degree no longer than 5 years from the day that a degree was awarded (the period during which the person was granted pregnancy and childbirth, paternity and childcare leave is not included in this 5-year period) or should have completed his / her PhD before the beginning of employment.

More information: https://www.vu.lt/en/research/research-activities/postdoc-fellowships