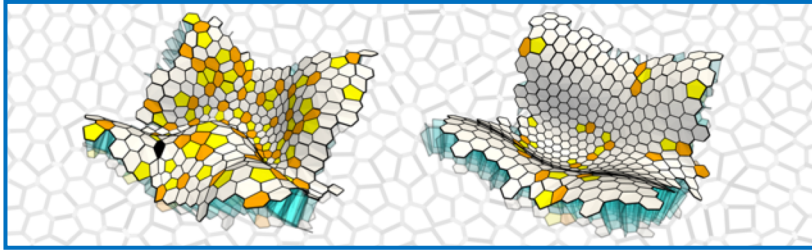


## Research associate position at the Jožef Stefan Institute



The theoretical biophysics group at the Department of Theoretical Physics, Jožef Stefan Institute, Ljubljana, Slovenia, is seeking a

### POSTDOCTORAL ASSOCIATE (M/F)

to work on topics in the areas of theoretical and computational soft-matter physics and biophysics.

#### Your qualifications

- PhD in physics, applied mathematics, computer science, or a related area
- proven track record of publications
- strong interest in soft condensed matter and/or biophysics
- good communication and organizational skills as well as the ability and interest to pursue challenging, interdisciplinary research
- prior basic skills with computer simulations are welcome, but not required.

#### Job description

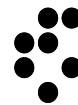
The successful candidate will mainly collaborate with Dr. Matej Krajnc (<http://bit.do/krajnc>) on topics related to computational physics of active biological matter. We will be developing efficient computational methods to simulate behaviors of biological tissues and use them to study how different active processes govern the internal structure, rheological properties, and the overall three-dimensional shape of these complex materials. The work will rely on the vertex model, basic methods of machine learning, graph theory, as well as analytical approaches. The position also offers opportunities to collaborate with other researchers both within the group and internationally.

#### What we offer

The position is available immediately until the end of 2021. The salary will be based on the Collective Agreement for the Slovenian Public Service and will depend on the researcher's experience level.

#### How to apply

Please send the application including curriculum vitae, publication list, 2–3 letters of reference, and a statement of research interests to Matej Krajnc ([matej.krajnc@ijs.si](mailto:matej.krajnc@ijs.si)). Applications will be considered until the position is filled but candidates are encouraged to apply at their earliest convenience.



Jožef Stefan Institute  
Ljubljana, Slovenia



The Jožef Stefan Institute ([www.ijs.si](http://www.ijs.si)) is the leading Slovenian scientific research institute, covering a broad spectrum of basic and applied research. The staff of more than 960 specializes in natural sciences, life sciences, and engineering.

Soft condensed matter is among the main areas pursued at the Institute, engaging several experimental laboratories and theoretical groups in close collaboration with the Department of Physics and the Institute of Biophysics at the University of Ljubljana.

The theoretical biophysics group is headed by Prof. Primož Ziherl and currently includes 6 senior researchers and several PhD students. The group offers a competitive scientific environment with strong international collaborations.

#### Full address

Institut "Jožef Stefan"  
Jamova cesta 39  
1000 Ljubljana  
Slovenia

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