

- **Calls for Positions [CfPo]**
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[bySIBPA] 48th Course: Memos for biophysics into the future



Siamo lieti di comunicarvi che abbiamo aggiunto a richiesta alcuni posti per partecipare alla Scuola di Biofisica di Erice che si terrà dal 16 al 22 ottobre 2023, diretta da Mauro Dalla Serra, Alberto Diaspro e Cristiano Viappiani con deadline per le iscrizioni il **9 ottobre alle** ore 12. Ci sono riduzioni per soci SIBPA e supporti per il viaggio su base competitiva alle iscritte e agli iscritti. Tutti i dettagli, compresi tutti i docenti, sono disponibili sul sito <https://www.erice2023.it/>.

Vi aspettiamo fra pochissimo ad Erice!



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[CfPo] Postdoc position in molecular simulations, machine learning, and statistical mechanics at CNRS, France

We are seeking a highly motivated and talented postdoctoral candidate interested in molecular simulations, machine learning, and statistical mechanics to conduct research in the following areas:

(1) Development of data-driven schemes for the discovery of slow variables.

(2) Molecular simulations of complex mechanisms in large biological objects.

(3) Computational modeling of transition pathways in high-dimensional systems.

Prior experience in computer programming, machine learning algorithms, and molecular simulations of biological systems is highly desirable, albeit not absolutely necessary. A strong background in physical sciences, possibly in applied mathematics, is required.

Details can be found at <https://euraxess.ec.europa.eu/jobs/150412>

Chris Chipot

Directeur de recherche au CNRS, Université de Lorraine

[CfPo] Postdoc position in high-performance molecular simulations of biological systems at CNRS, France

We are seeking a highly motivated and talented postdoctoral candidate interested in molecular simulations and statistical mechanics to conduct research in the following areas:

(1) Molecular simulations of complex mechanisms in large biological objects.

(2) Development of kinetic models to describe these complex mechanisms.

(3) Investigation of complex biological processes.

A strong understanding of the tools and theoretical foundations of molecular simulations is necessary. Prior experience in simulating biological systems is desirable. A solid background in physical sciences is required.

Details can be found at <https://euraxess.ec.europa.eu/jobs/149977>.

Chris Chipot

Directeur de recherche au CNRS, Université de Lorraine



[CfPo] Tenure-track assistant professorship at Eötvös Loránd University (Budapest, Hungary)

The Institute of Physics and Astronomy at Eötvös Loránd University (Budapest, Hungary) invites applications for tenure-track assistant professor positions. The duration of the contract is five years, with the possibility of granting tenure at the end of that period, depending on the performance of the applicant. All research topics in Biological Physics, Biophysics, Medical Physics, and related fields are welcome. See <https://physics.elte.hu> for details on current research fields.

We are looking for candidates with strong track record in research, teaching and grant applications. Candidates shall already have postdoctoral experience. Teaching opportunities and duties will include physics courses at all levels (BSc, MSc, PhD). The guaranteed gross salary is calculated according to Hungarian government regulations (but can be increased through various research grants). For outstanding applicants who already have habilitation a quick promotion to associate professor level will be possible. The submission deadline for applications is October 15, 2023, but the positions will remain open until filled by suitable candidates. Please send the following documents by the above date in e-mail to physics-jobs@ttk.elte.hu with the subject line "Faculty Position Application":

- detailed professional CV,
- list of publications,
- one-page summary of past work (if not part of the above CV),
- two-page summary of future research plans,
- one-page teaching statement,
- contact details of three professionals who can provide letters of references upon request.

Contact: Prof. Imre Derényi (derenyi@elte.hu)

[CfPo] Postdoc position at The Membrane Transport Laboratory at the Dep. of Molecular Medicine at the University of Pavia

The Membrane Transport Laboratory at the Department of Molecular Medicine at the University of Pavia, is seeking a postdoctoral researcher in integrative structural biology for a two-years appointment (renewable if funding available).

Our laboratory is focused on the biophysical mechanisms of ion channels and transporters, with an eye on those involved in pathological phenotypes. A selection of recent publications can be found here: <http://tinyurl.com/memTlab>

The project will focus on the biophysical validation and structural characterisation of small molecules and peptides targeting two human transporters.



The candidate will make use of a wide range of methodologies, including molecular biology, biochemistry, electrophysiology, binding experiments and cell biology.

Our laboratory is fully equipped with state-of-the-art instruments for protein expression, purification and crystallisation. In addition, we have rolling access to the campus core facility building equipped with a fully working pipeline for cryo-EM grids preparation and data collection on a Glacios 200 kV cryo-EM microscope.

Position to be filled as soon as possible.

Applicants should send their CV and a cover letter to: marco.lolicato@unipv.it

Informal inquiries can be also addressed to the same e-mail.

[CfPo] Azrieli International Postdoctoral Fellowship

We are pleased to announce that the Azrieli International Postdoctoral Fellowship will begin accepting online applications for the 2024-25 academic year on September 1. The application window will close on November 15, 2023.

<https://www.biosoft.sites.tau.ac.il/team>

The fellowship offers funding of approximately 188,000 Israeli shekels to each of the 24 postdocs selected annually. Beyond financial support, fellows benefit from enrichment activities and events, networking opportunities, and personalized support. Azrieli Fellows have the flexibility to conduct research in any academic discipline at eligible institutions in Israel. The fellowship welcomes applications from candidates across the globe.

All essential information for the application process can be found below. Please note that candidates are required to secure an academic sponsor prior to applying.



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