

- **Calls for Positions [CfPo]**
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[bySIBPA] Congresso EBSA 2023

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il Congresso EBSA si terrà a Stoccolma dal 31 luglio al 4 agosto 2023, vi segnaliamo la pagina web a cui accedere per le informazioni complete:

<https://mkon.nu/ebsa>

[bySIBPA] Biophysics@Rome 2023

Si terrà a Roma il 19 e il 20 aprile l'annuale appuntamento "Biophysics@Rome" il cui titolo sarà "On the path to sustainability". Segnaliamo che in occasione dei 50 anni della SIBPA e del centenario della nascita di Italo Calvino, il presidente della SIBPA Alberto Diaspro dialogherà con Laura Di Nicola del Laboratorio Calvino della Sapienza. Maggiori informazioni alla pagina

<http://www.biophysicsatrome.org/en/biophysics-rome-2023>

[CfPo] Postdoc Positions available at Hamburg, Germany

Dear Colleagues,

My group has multiple openings to work on a novel approach for sample preparation in high-resolution cryo-electron microscopy for structural biology.



www.sibpa.it



www.facebook.com/SIBiofisicaPA/



[@SIBPA](https://twitter.com/SIBPA)



www.sibpa.it/youtube

This project is in collaboration with partners at the Center for Structural Systems Biology (CSSB) in Hamburg and from the cryo-EM industry. Thank you in advance for bringing these openings to the attention of possible candidates.

Based on our extensive experience in sample delivery for single-particle imaging at XFELs, we developed a novel approach for sample preparation and delivery that promises to resolve several of the limitations of current sample-preparation methodology. This project is moving toward technological validation and we are extending our team to validate and improve the methodology and its application in high-resolution structural biology and biomedicine.

We are mainly looking for highly motivated research associates at the postdoctoral level that are great team players and have extensive experience in several of the following fields: aerosol physics and fluid dynamics, cryo-EM imaging, biosample handling, biophysics, vacuum operation, cryogenics, laser physics, light or particle detectors. We provide a strong and closely collaborating project team with members from my CMI-COMOTION team at DESY and the Marlovits group at CSSB that is in close and constructive contact with the advanced technology team of an industrial manufacturer.

Please send your application as a single PDF file containing

- A brief letter of motivation (max. 1 page)
- Your curriculum vitae
- A list of 3–5 most important publications and your OrcID
- The names and contact information of 2–3 persons who can serve as references Please address your email to office.kuepper@cfel.de.

Thank you for your attention,

Jochen Küpper

-- CFEL Controlled Molecule Imaging Group — <https://www.controlled-molecule-imaging.org>

[CfPo] PhD and PostDoc Positions at Tel Aviv

PhD/Post-Doctoral Positions, in the framework of ERC project:

How do tetraspanin proteins organize, shape, and remodel biological membranes?

At the group of Dr. Raya Sorkin, Department of Physical Chemistry, School of Chemistry, Tel Aviv University, Israel, <https://sorkinraya.wixsite.com/sorkinlab>

Start Date: 1 April 2023. Term of appointment: PhD: 4 years, postdoc: 1-year



initial appointment, renewal upon mutual agreement for additional 1-3 years. Projects Overview: The project aims to reveal the interplay between membrane tension and curvature and the organization and function of tetraspanin proteins. The context is specific key physiological scenarios: membrane fusion that occurs during viral infection and fertilization, and the formation of vesicles called migrasomes that mediate cellular communication. For these projects you will develop and use membrane model systems such as micro-beads coated with membranes of defined composition with incorporated proteins of interest, GUVs and GPMVs. You will use single-molecule assays to study protein-membrane interactions, analyze data using custom-written python scripts, and use theoretical models for data interpretation, in collaboration with theorists. Your profile: For this interdisciplinary project, we look for a trained experimentalist with a strong record of research in biophysics or soft matter, preferably with prior experience with microscopy and/or force-spectroscopy. For postdoc positions, a Ph.D. in biophysics, physics, chemistry, molecular biology or a related field is required. Our lab is equipped with state-of-the-art instrumentation for single-molecule mechanical studies. We are a collaborative and supportive group, and we will provide you will the needed training and support your personal development. We are affiliated with the Center for the Physics and Chemistry of Living Systems at Tel Aviv University that provides a most stimulating environment for biophysical research by bringing together groups from various disciplines that study biophysical problems by a wide range of approaches. The campus is located in the north of Tel Aviv, which is a fun and vibrant city with international atmosphere.

To apply: Interested candidates should apply directly to Dr. Sorkin at rsorkin@tauex.tau.ac.il and provide the following: • Curriculum vitae • Cover letter describing your prior experience and motivation to join our lab • Names and contact information for at least two references. Relevant recent publications include: Dharan R. et al, PNAS 2022, Cheppali S. K. et al, ACS Appl Mat Interfaces 2022.

