

Società Italiana di Biofisica Pura e Applicata
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[bySIBPA] XXVII Congresso Nazionale SIBPA 2024

Cari soci, il nostro prossimo congresso che si sta sempre più avvicinando: ci incontreremo a Genova dal 16 al 20 giugno! Possiamo accettare ulteriori abstract esclusivamente per contributi poster sino al 15 maggio.

La lista degli invited è sulla [pagina del congresso](#), che aggiorneremo presto con il programma.



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[CfPO] PhD position, Grenoble, France

A PhD position is available in the NMR of Large Assemblies group led by Dr. Boisbouvier, at the Structural Biology Institute (IBS) in Grenoble, France. The successful candidate will use advanced isotope labeling and NMR methods at variable temperature and pressure to identify and characterize the structure and dynamics of rare functional states of the human chaperone HSP90. The position is funded by the French Atomic Energy and Alternative Energies Commission (CEA). The successful candidate will work under the supervision of Dr. Boisbouvier (IBS, Grenoble) and in close collaboration with Dr. E. Lescop (ICSN, Gif sur Yvette).

Facilities: Successful candidates will have access to state-of-the-art NMR facilities including 950, 850, 800, 700 and 600 MHz NMR spectrometers with liquid-state cryoprobes (IBS and ICSN) equipped for high-pressure NMR (ICSN), wet lab facilities dedicated expression, advanced isotope labeling and protein purification (IBS).

Benefits: Gross salary: €2,561/month, health insurance, partial reimbursement of local transport expenses, 50 days vacation a year. Expected starting date: 01/10/24.



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Applications: Candidates should hold or prepare an Engineer diploma or a Master degree in physical chemistry, structural biology, biophysics or a related field. Interested candidates should send a CV, a covering letter and the names and e-mail addresses of two referees. These documents should be sent by e-mail to jerome.boisbouvier@ibs.fr and ewen.lescop@cnrs.fr by May 20th 2024.

[CfPO] Postdoc position, Toulouse

Position: Postdoctoral Researcher Advanced Microscopy

Institution: Scipioni Lab Centre de Recherches en Cancérologie de Toulouse
<https://www.crct.inserm.fr/en/>

Location: Toulouse (France)

Application Deadline: June 15th 2024

Expected Start Date: September 1st 2024

Compensation: Competitive salary and funding for research-related expenses. Position is fully funded.

Description:

The Scipioni Lab is seeking a highly motivated and skilled postdoctoral researcher to join our team. The successful candidate will work on cutting-edge projects involving the design, development, and implementation of advanced custom microscopes and control systems applied to breast cancer research. Technologies include fluorescence lifetime imaging microscopy (FLIM), hyperspectral imaging and spectral FLIM (S-FLIM), as well as spectral encoding. Examples of these technologies can be found here: <https://www.nature.com/articles/s41592-021-01108-4> and here: <https://www.nature.com/articles/s41592-022-01529-9>.

Responsibilities:

Design, build, and optimize custom microscope setups tailored to specific research needs, in particular focused on breast cancer research (cultured cells, tumor spheroids and clinical samples). Develop control systems and software interfaces for precise automation of microscope functions and data analysis. Collaborate closely with interdisciplinary teams to integrate custom microscopy solutions into ongoing research projects. Conduct experimental work utilizing



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custom-built microscopes and control systems. Analyze experimental data and contribute to publications and presentations.

Qualifications:

Ph.D. in Physics, Engineering, Biomedical Engineering, or related fields. Proven expertise in designing and building custom confocal and/or camera-based microscopy setups, including optical, mechanical, and electronic components. Proficiency in programming languages such as Python and/or LabVIEW for control system development. Strong background in optics, imaging techniques, and instrumentation. Excellent problem-solving skills and ability to work independently as well as collaboratively. Effective communication skills and ability to convey complex technical concepts to diverse audiences. Prior experience with imaging living cells or other biological samples is desirable but not required.

Application Materials:

Curriculum vitae (CV) including a list of selected publications. Cover letter outlining your research experience, interests, and career goals. Contact information for at least two references. Please submit your application materials via email to Dr. Lorenzo Scipioni at scipioni.lorenzo@gmail.com, including "[Last Name] - Postdoctoral Application" in the subject line. For inquiries about the position or the application process, please reach out to the contact email.

[CS] CECAM Summer School on Classical Molecular Dynamics for Material Science, Nanotechnology and Biophysics, Trieste

Dear colleagues and friends,

We encourage applications to the CECAM "Summer School on Classical Molecular Dynamics for Material Science, Nanotechnology and Biophysics" (July 8 - July 19 2024, Sissa-Trieste, Italy).

The School is primarily intended for undergraduate students in Physics or Chemistry who wish to become familiar with up-to-date Molecular Dynamics simulation techniques.

The application deadline is May 12!



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The list of lecturers and tutors include Giovanni Bussi, Alessandro Laio, Giuseppe Brancato (SNS), Luca Grisanti (CNR), Tommaso Giovannini (CNR), and Michele Ceriotti (EPFL).

The purpose of the School is threefold:

- (i) providing undergraduate students with a basic but detailed overview of the theoretical foundations of classical molecular dynamics and quantum mechanics methods, as well as to combine them using machine-learning potentials.
- (ii) giving an overview of the domains of interesting applications.
- (iii) providing the basics for writing and running in practice simple molecular simulations

Major details about the School and how to apply can be found at the official CECAM website: <https://www.cecam.org/workshop-details/summer-school-on-molecular-dynamics-for-material-science-nanotechnology-and-biophysics-1329>

The organizers,

Giovanni Bussi

Alessandro Laio

Giuseppe Brancato

[CS-CONF] 10th Regional Biophysics Conference (RBC2024) & 15th International Summer School of Biophysics, Split, Croatia

Dear colleagues,

We are pleased to announce that formal registration for the upcoming joint event 10th Regional Biophysics Conference (RBC2024) & 15th International Summer School of Biophysics, which will be held at University of Split School of Medicine, Split, Croatia from August 26–30, 2024 is officially extended. Detailed information about event can be found on the following website <https://rbc2024.biofizika.hr/> . Registration can be done at the following link <https://rbc2024.biofizika.hr/registration-form/> .

Abstract template can be found and submitted according to the instructions described at the following link <https://rbc2024.biofizika.hr/abstracts-and-guidelines/> . Giving the special attention to students and young researchers, 2



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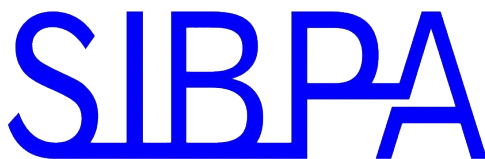
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theoretical (Molecular modeling I and Molecular modeling II) and 5 experimental workshops (DLS/ELS hands-on, STED in the shoebox, 50 nm optical resolution for every biologist, Non-invasive Live Cell Imaging Made Easy, Microplate readers and different modes (ABS, FLUO, LUMI) - what, where, why and how?, All-in-One Microscopy) will be available in the scope of 15th International summer school of biophysics. Please, find attached detailed description of the Workshops.

As an advantage, we arrange accommodation in our new student dormitory "Franjo Tuđman"; please note that the special rate will be available at the first come first served basis. All rooms are double occupancy (single use €35 per night, double use €26/person per night). Tourist tax of €2.00 per person per day is not included in the price. The reservation for this accommodation can be made directly by e-mail: rezsmjestaja@scst.hr following to the instructions described on the following link <https://rbc2024.biofizika.hr/accomondation/>.

Looking forward to seeing you in Split.

Sincerely,

Marija Raguž, Chair of RBC2024, University of Split School of Medicine, Split, Croatia

Nadica Maltar Strmečki, Chair of School of Biophysics, Ruđer Bošković Institute, Zagreb, Croatia



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