



Newsletter n.5

Dear ARBRE members,

2024 has started under very nice auspices for ARBRE.

In June ARBRE will be present at the European South Atlantic Biophysics Congress **ESAB2024** in San Sebastian (ES) and at the **3rd MOSBRI** annual conference in Ljubljana (SLO), where our **annual general assembly** will also be hosted. More info in the next pages.

ARBRE's GA will be hybrid as last year, please save the date: tuesday 11th June 2024 in the late afternoon.

Your participation is very important since it will be the end of the first round of mandates of ARBRE's governing boards. Until june 8th 2024, I will be collecting all the wish-list and CV of those who would like to be involved for the next mandate (see the statutes online for more info). All the candidatures will be presented at the GA in Ljubljana and then an **electronic vote** will be held the first week of July 2024.

Unfortunately, the EU-WIDERA-Twinning project on the biophysics of extreme marine environment has not been financed, though it received very good comments. If you are going to submit new EU-HE projects, keep in mind that **ARBRE might be your associated partner**.

Remember that the website <https://www.arbre-biophysics.eu> still needs your help to feed its content, send an email to info@arbre-biophysics.eu to get involved.

Last, but not least, remember to **renew your annual registration fee** by bank transfer from wherever you are (even outside SEPA).

With my best wishes,

Adriana Erica Miele
President of ARBRE

Lyon, Febraury 29th 2024

Announcements

Registration deadline is approaching for the **“BLS2: Single Molecule biophysics in cell lysates”**

The school will be at the Institute of Biotechnology of the Czech Academy of Sciences, Vestec (CZ), from **May 13th to 17th 2024**.

This basic-level school is aimed at biologists, biophysicists, biochemists, structural biologists, etc., who want to learn a technique enabling high throughput screening for dynamic parameters of biochemical interactions on a single molecule level.

<https://www.mosbri.eu/training/basic-level-schools/bls2/>

Participation is limited to 20 trainees.

Registration is open for the **“ESC8: Basic and advanced protocols in biological calorimetry (BioCal)”**

The school will be at BIFI-Lacrima in Zaragoza (ES) from **July 8th to 10th 2024**.

The course focuses on calorimetric techniques applied mainly to biological macromolecules to study the stability of proteins (DSC) and their interactions (ITC). During the course, participants will learn about the fundamental background and operational procedures from sample preparation to set-up operation, data gathering and analysis.

<https://www.mosbri.eu/training/end-user-short-courses/esc8/>

Participation is limited to 10 trainees.

Registration deadline is approaching for the Consensus Meeting **“Real-time monitoring using biophysical approaches of respiratory activity in bacteria”**

The meeting will be held at the Dept Biochemical Sciences of Sapienza University of Rome (IT) on April 9th 2024.

Through a series of talks featuring expert speakers and a roundtable discussion, this CM aims at defining novel frontiers of the real-time techniques for monitoring respiratory and metabolic activities in bacteria.

The registration is free, but mandatory.

<https://www.mosbri.eu/events/meetings/cm-april2024/>

ESAB2024 <https://www.biophysicssansebastian2024.com/>

The meeting is being organized as a joint effort by the Spanish Biophysical Society (**SBE**), the French Biophysical Society (**SBF**) and the Portuguese Biophysical Societies (**SPBf**), to gather scientists for presenting their most exciting biophysical research work. It will be held in Donostia-San Sebastian (Basque Country), on **June 5th–7th** 2024. The event will include a **Satellite Workshop on June 4th–5th**, focused on early-stage researchers, with a total attendance of 50 students. Bursaries to cover the registration fee are available by the SBF (deadline March 15th) and the SBE (deadline March 31st).

3rd MOSBRI Annual Conference – Ljubljana – June 10th-13th 2024
<https://www.mosbri.eu/events/conferences/ljubljana-2024/>

The 3rd MOSBRI conference aims to bring together a larger community of researchers from the fields of structural biology, biochemistry, synthetic biology and biophysics. The conference will show how an interdisciplinary and integrated network can tackle an unusually wide variety of life science research questions.

The conference is complemented by **Emerging Approaches in Biophysics** (co-organised by **ARBRE** on June 11th), Integrative Structural Biology (organised by **Instruct-ERIC**) and Molecular Bioimaging (organised by the **Slovenian Biophysical Society**).

Bursaries are available to grant **15 PhD students**. The bursaries include 3 nights accommodation and waiver of the registration fee. Apply by March 31st and upload a single pdf file containing a short CV, a letter of motivation and a letter of support (max. 1 page for each).



The poster for the 3rd MOSBRI Scientific Conference features a large image of the Dragon of Ljubljana statue in the foreground and the red-roofed buildings of Ljubljana in the background. The text on the poster includes the conference title, dates, location, and theme: "Building bridges: Molecular-scale biophysics research infrastructure for European life science research". It lists topics such as macromolecular interactions, integrative structural biology, computational biophysics, and molecular bioimaging. Plenary speakers listed are Roman Jerala (Slovenia), Lynne J. Regan (UK), Harald Schwalbe (Germany), and Andrej Šali (USA). The bottom of the poster contains logos for the National Institute of Chemistry, Instruct-ERIC, ARBRE, and MOSBRI, along with a QR code and a funding statement from the European Union's Horizon 2020 programme.

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