

Basic and advanced protocols in biological calorimetry (BioCal)

8th-10th July 2024

Institute BIFI, Zaragoza, Spain (BIFI-LACRIMA)

The course focuses on calorimetric techniques applied mainly to biological macromolecules (e.g., proteins, nucleic acids, lipid vesicles). These techniques are very common in experimental laboratories and are frequently used to study the stability of proteins (DSC) and their interactions (ITC), which will be the focus of this course.

During the course the participants will learn about the fundamental background and operational procedures of the techniques and hands-on practice with the instruments will be performed. Attention will be given to sample preparation, set-up operation, data gathering and data analysis.

The course will provide theoretical lectures and practical tutorials on protein stability and interactions assessment and experimental design, and will allow time for discussion between trainers and trainees, as well as between students. At the end of the course, students are expected to have acquired the skills needed to apply the techniques at their institution in full autonomy.

Other details:

Registration to the course is required. Participants will receive partial financial support to attend the course, including economy travel, lunches, and 2 nights of accommodation with breakfast (accommodation will be booked by the organizers). 10 travel bursaries of a maximum €300 each will be offered to cover economy travel costs. Successful applicants will be informed of the eligible expenses when they receive a formal acceptance letter.

Visit the website to find out more and to apply to take part in the course.

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