

Pre-registration is necessary because of the limited number of places in the school.

A short description of research activity and a CV should be sent by e-mail to softmatter2023@ill.fr

The organizing committee will examine your application and inform you by 2nd May.

Organizers

Leonardo Chiappisi

Emily Ryan

Email address : softmatter2023@ill.fr

Web site:

<https://workshops.ill.fr/event/346/>

Pre-registration deadline : 3 April 2023

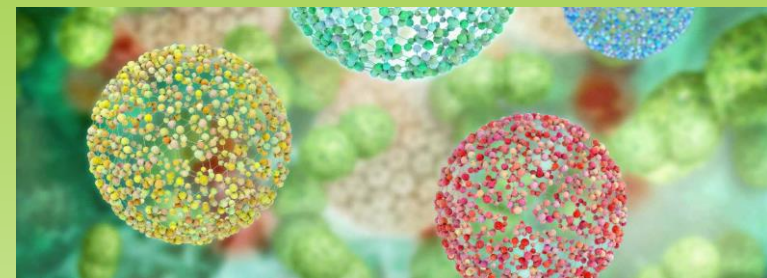
Notification of acceptance : 2 May 2023

Registration deadline : 31 May 2023

Registration fees (including VAT):

- 230€ including lecture material, lunches, social dinner and accommodation (2 nights)
- 160€ including lecture material, lunches and social dinner

ILL Soft Matter Summer School



Soft matter pervades into daily life under several forms: biological matter, foams, food products, ink, tires, and many others. In contrast to their very different appearance, all these systems are governed by the same, fundamental physical laws. Aim of the school is providing an overview of the forces governing the behavior of soft matter systems and introducing the most relevant techniques to probe such interactions. The school proposes frontal lectures for doctoral students working in the field of soft matter given by recognized experts from all over Europe. Poster sessions will be opened for discussion on research topic and experimental results between students and invited lecturers.

| Tue – 4.7 | |
|----------------------|---|
| 11:00 – 12:00 | Registration <i>ILL4 Entrance Hall</i> |
| 12:00 – 13:30 | Lunch <i>ESRF/ILL Canteen</i> |
| 13:30-13:45 | School Opening <i>ILL4 Entrance Hall</i> |
| 14:00-15:30 | Lecture 1: Introduction to colloid and interface Science <i>Emanuel Schneck</i> <i>Chadwick Amphitheatre</i> |
| 15:30-16:00 | Coffee Break <i>ILL4 Entrance Hall</i> |
| 16:00-17:30 | Lecture 2: Physics of macromolecular systems <i>Julian Oberdisse</i> <i>Chadwick Amphitheatre</i> |
| 18:00 - --- | Poster Session & Discussion with Wine and Cheese <i>ILL4 Entrance Hall</i> |

| Wed – 5.7 | |
|----------------------|---|
| 09:00 – 10:30 | Lecture 3: Computer simulation of molecular systems - Principles and example applications <i>Maria Reif Chadwick Amphitheatre</i> |
| 10:30-10:45 | Coffee Break <i>ILL4 Entrance Hall</i> |
| 10:45-12:15 | Lecture 4: Hierarchical structures in food. Soft matter structure at various length scales <i>Milena Corredig</i> <i>Chadwick Amphitheatre</i> |
| 12:15 – 13:30 | Lunch <i>ESRF/ILL Canteen</i> |
| 13:30-15:00 | Lecture 5: Nuclear Magnetic Resonance applied to Soft Matter systems <i>Allicia Vallet</i> <i>Chadwick Amphitheatre</i> |
| 15:00-17:30 | Free afternoon |
| 17:30 – 18:30 | Guided City tour <i>Grenoble, Maison du Tourisme</i> |
| 19:00 - --- | Social Dinner <i>Grenoble, "L'Epicurien"</i> |

| Thurs – 6.7 | |
|----------------------|---|
| 09:00 – 10:30 | Lecture 6: Liquid foams: from the formulation to the characterization techniques <i>Anne-Laure Fameau</i> <i>Chadwick Amphitheatre</i> |
| 10:30-10:45 | Coffee Break <i>ILL4 Entrance Hall</i> |
| 10:45-12:15 | Lecture 7: Electron Microscopy in Biology <i>Guy Schoehn</i> <i>Chadwick Amphitheatre</i> |
| 12:15 – 13:30 | Lunch <i>ESRF/ILL Canteen</i> |
| 13:30-15:00 | Lecture 8: Introduction to neutron scattering applied to soft matter <i>Sylvain Prevost and Nicolo Paracini</i> <i>Chadwick Amphitheatre</i> |
| 15:00-15:15 | School Closing |
| 15:30 – 17:00 | ILL Guided Tours |

Detailed lecture content can be found on the school website.