

27 novembre 2024

Post-doc and beam line scientist available at the ESRF Grenoble

1. A postdoc position is available at ID10 beamline, ESRF in Grenoble, France for immediate recruitment. This beamline is a multipurpose GISAXS/GID/XRR/XRF instrument for time resolved and in situ studies of surfaces and interfaces. The key speciality of the station is a double crystal deflector for studies on liquid surfaces including buried interfaces. The postdoc is expected to spend 50% for user support in the form of local contact and remaining for inhouse research. Beamline is equipped with a variety of sample environments including Langmuir trough and a reactor for chemical vapor deposition (CVD) growth of 2D materials on liquid metal catalysts (LMCat). Current in-house research topics include studies of Langmuir films mimicking cell membranes, assembly of nanoparticles at liquid interfaces and catalysis (CVD growth of graphene, hNB, GaN, AlN and Fischer-Tropsch synthesis). If interested, the candidate can contact directly Dr. Oleg Konovalov (konovalov@esrf.fr) with a brief CV. The applicant should have a Ph.D. degree in Physics, Chemistry or a closely related subject obtained less than 3 years ago.

2. A beamline scientist position is available at ID02 beamline, ESRF in Grenoble, France for immediate recruitment. This beamline is a multipurpose SAXS/WAXS/USAXS/XPCS instrument for time resolved studies of soft matter and biophysical systems. The scientist is expected to spend 50% of time for user support and beamline maintenance and remaining for developing own research and methods. Current inhouse research topics include dynamics of driven colloids, spontaneous self-assembly processes in amphiphilic systems, and relationship between microstructure and rheology in complex fluids. The research program of the applicant should be focused on exploiting high resolution and time-resolved scattering methods for the investigation of structure and dynamics of soft matter or biological systems that further diversifies current activities. If interested, the candidate can contact directly Dr. T. Narayanan (narayan@esrf.fr) with a brief CV. The applicant should have a Ph.D. degree in Physics or Chemistry or Biology or a closely related subject and several years of postdoctoral experience, especially in applying X-ray scattering techniques to study soft matter or related systems.