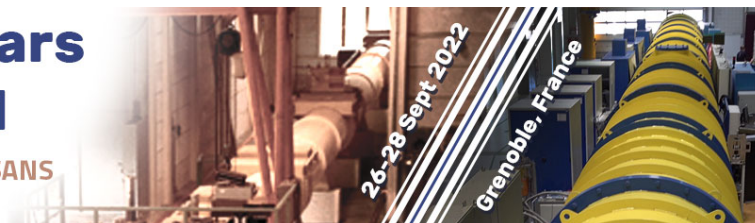


# 50 years of D11

A history of SANS  
at the ILL



Contribution ID: 56

Type: not specified

## Small-angle scattering from proteins: Crowding conditions and phase transformations (remote)

*Tuesday, 27 September 2022 14:00 (25 minutes)*

Protein solutions can exhibit rather complex behavior, in particular at high concentrations, i.e. “crowding” conditions.

For a comprehensive understanding of the structures, from the molecular level to oligomers to larger-scale structures arising, e.g., in phase separating systems, small-angle scattering plays a crucial role. This is also the basis for the interpretation of the associated dynamics as well as kinetic effects. We discuss examples for the crucial role of small-angle scattering, particularly for the kinetics of phase transformations such as liquid-liquid phase separation and phenomena related to crystallization.

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**Session Classification:** Talks