## Annual Meeting of the Swiss Physical Society 2024



Contribution ID: 334

Type: Talk

## [954] Crowding induced phase separation in the yeast proteome

Thursday 12 September 2024 17:45 (15 minutes)

Protein based supramolecular assemblies have been shown to play an important functional role in many biological processes.

Some proteins that undergo phase separation have been extensively characterized, helping us understand the general principles of this process. However, we have limited information on which portion of the proteome can undergo phase transitions, especially under physiological conditions.

To answer these questions and to understand how cells respond to altered crowding conditions, we developed a platform to investigate which proteins are more prone to organize into supramolecular assemblies by combining concentrated yeast lysate with a synthetic crowding agent.

Author: NARDUZZI, Guido (ETH Zürich)

Presenter: NARDUZZI, Guido (ETH Zürich)

Session Classification: Biophysics and Soft Matter

Track Classification: Biophysics and Soft Matter