

## **Intrinsically disordered proteins and liquid-liquid phase separations**

Over the last 20 years we have seen a growing appreciation and understanding of intrinsically disordered regions (IDRs) and proteins (IDPs). These regions represent a considerable part of the proteome, but their function still remains to be understood and their misfunction can give rise to serious disease. The IDRs include most of the short linear binding motifs of the proteome and engage in interactions that are critical for cell function including cell regulation and signaling. One theme that has emerged in the last ten years is the central role of some IDRs/IDPs in liquid-liquid phase separation (LLPS). This session will focus on exciting findings from the functional characterization of IDRs to novel results in the context of the involvement of IDRs in LLPS.

### **Invited Speakers**

Richard Kriwacki, St. Jude Children's Research Hospital  
Kristina Djinovic Carugo, University of Vienna

### **3-4 short talks selected from abstracts**

### **Session chairs**

Jean Baum, Rutgers University  
Monika Fuxreiter, University of Padova  
Ylva Ivarsson, Uppsala University

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