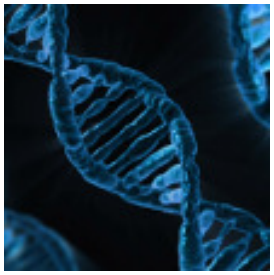

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KEYNOTE 2 - Dynamics and interactions of disordered proteins from single-molecule spectroscopy

Monday, 4 June 2018 14:35 (40)

Proteins are the most versatile constituents of the molecular machinery of life, and it is becoming increasingly clear that many of them perform essential functions even though they lack a well-defined folded structure. Single-molecule spectroscopy and fluorescence correlation spectroscopy provide an opportunity for investigating the molecular dynamics of these intrinsically disordered proteins on nanometer length scales and across twelve orders of magnitude in time, even in complex environments, including live cells. A physical description of their behavior is becoming increasingly accessible via the synergy of experiment with theory and simulations.

Primary author(s) : Prof. SCHULER, Benjamin (University of Zurich)

Presenter(s) : Prof. SCHULER, Benjamin (University of Zurich)

Session Classification : Dynamics of Intrinsically Disordered Proteins

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