Organizers

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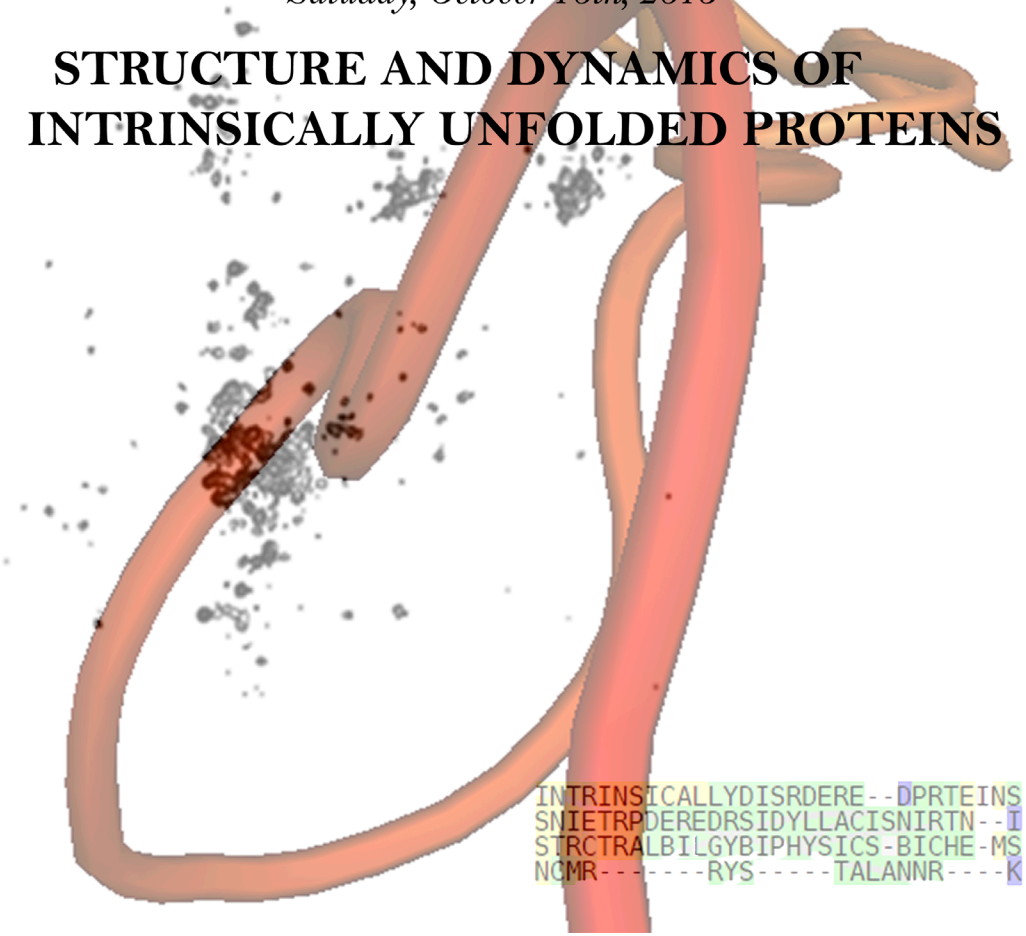
NESS 15

12th Annual New England Structure Symposium

University of Connecticut, Storrs
Satuday, October 10th, 2015

STRUCTURE AND DYNAMICS OF INTRINSICALLY UNFOLDED PROTEINS



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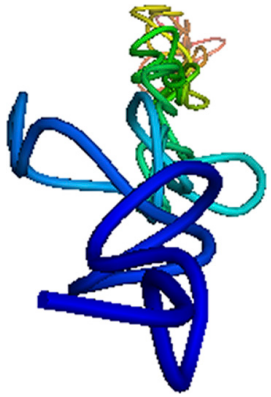

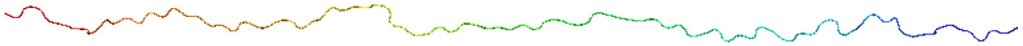

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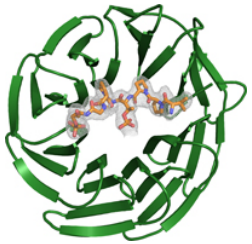

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NESS 2015 Program Schedule

8:30 - 9:00	***REGISTRATION and COFFEE***
9:00 - 9:15	**Welcoming Remarks: Philip Yeagle**
	PLENARY TALK I: Introduction: Jim Cole
9:15 - 10:00	**Rohit Pappu,** Washington University at St. Louis *Sequence-Conformation-Function Relationships of Intrinsically Disordered Proteins*
Session I:	***Multiscale Modeling of IDPs*** *Chair: Jóse Gascón*
10:00 - 10:30	**Jianhan Chen,** Kansas State University *Multi-Scale Modeling of IDP Structure and Interaction*
10:30 - 11:00	**Eric May,** University of Connecticut *Dynamics of Viral Lytic Peptides in Aqueous and Membrane Environments*
Session II:	***Promoted Poster Talks*** *Chair: Nathan Adler*
11:00 - 11:15	**Scott Showalter,** Penn State *Structural Biophysics of Intrinsically Denatured Proteins*
11:15 - 11:30	**Nicolas Fawzi,** Brown *Atomic details of FUS granules that bind the C-terminal domain of RNA polymerase II*
11:30 - 11:45	**Chunyu Wang,** Rensselaer Polytechnic Institute *Characterization of Aβ Monomers with Multiple Force Fields and High Pressure NMR*
11:45 - 1:30	***LUNCH and POSTER VIEWING***
Session III:	***Advanced Techniques to Study IDPs*** *Chair: Andrei Alexandrescu*
1:30 - 2:00	**Richard Kriwacki,** St Jude's Children's Research Hospital *Diverse Roles of Disorder in Protein Function: From Signaling to Organelle Organization*
2:00 - 2:30	**Wolfgang Peti,** Brown *IDPs and Protein Phosphatase Regulation: they belong together*
Session IV:	***IDPs in Molecular Assemblies*** *Chair: Vikki Robinson*
2:30 - 3:00	**Jean Baum,** Rutgers *The Role of Intrinsically Disordered Proteins in Aggregation Associated with Parkinson's Disease*
3:00 - 3:30	**Ed O'Brien,** Penn State *Accurate Prediction of Co-Translational Folding in Living Cells and the Physical Origins of Critical Codon Positions*
3:30 - 4:00	***COFFEE BREAK***
	PLENARY TALK II: Introduction: Jeff Hoch
4:00 - 4:45	**Jane Dyson,** Scripps *Disorder and Partial Order in Protein Function*
4:45 - 5:00	***CONCLUDING REMARKS***