

TSRC Workshop on Intrinsically Disordered Proteins
Telluride, Colorado, July 11-15, 2017

Tuesday Morning, July 11

8:00-8:30 am	BREAKFAST at school
8:30-9:10 am	<u>Edward Lemke</u> (lemke@embl.de) (EMBL Heidelberg, Germany) <i>Decoding molecular plasticity in the dark proteome of the nuclear transport machinery</i>
9:10-9:40 am	<u>Jeanne Stachowiak</u> (jcstach@austin.utexas.edu) (U Texas, Austin, TX) <i>Intrinsically Disordered Domains as Physical Drivers of Membrane Vesiculation</i>
9:40-10:30 am	<u>Gary Daughdrill</u> (gdaughdrill@usf.edu) (U South Florida, Tampa, FL) <i>Using evolution and physics to engineer the conformational ensembles of IDPs</i>
10:30-10:45 am	BREAK
10:45-11:25 am	<u>Ben Sabari</u> (bsabari@wi.mit.edu) (MIT, Cambridge, MA) <i>Transcriptional Control Through Phase Separated Nuclear Bodies</i>
11:25-12:05 am	<u>Richard Kriwacki</u> (Richard.Kriwacki@STJUDE.ORG) (St. Jude, Memphis, TN) <i>Diverse conformational landscapes of IDPs; Targets of disease and therapeutics?</i>
12:05-12:50 PM	Free time

Wednesday Morning, July 12

8:00-8:30 am	BREAKFAST at school
8:30-9:10 am	<u>Roy Parker</u> (Roy.Parker@Colorado.EDU) (U Colorado, Boulder, CO) <i>IDRs in protein and RNA and their role in RNP granule assembly</i>
9:10-9:40 am	<u>Arvind Ramanathan</u> (ramanathana@ornl.gov) (Oak Ridge National Labs, Oak Ridge, TN) <i>Revealing how small molecules modulate p27-D2 disordered domain conformational ensemble: Integrating experiments and all-atom simulations with statistical inference</i>
9:40-10:30 am	<u>Elizabeth Rhoades</u> (rhoadese@sas.upenn.edu) (U Pennsylvania, Philadelphia, PA) <i>Function of a dysfunctional protein</i>
10:30-10:45 am	BREAK
10:45-11:25 am	<u>Rohit Pappu</u> (pappu@wustl.edu) (Washington U in St. Louis, St. Louis, MO) <i>A general "stickers on a chain" model for phase transitions of multivalent proteins</i>
11:25-12:05 pm	<u>Geraldine Seydoux</u> (gseydoux@jhmi.edu) (Johns Hopkins U, Baltimore, MD) <i>Regulation of RNA granule assembly by intrinsically-disordered proteins</i>
12:05-12:50 PM	<u>Avinash Patel</u> (patel@mpi-cbg.de) (MPI, Dresden, Germany) <i>Towards a molecular grammar for phase separation of IDPs</i>

Wednesday Evening, July 12

5:00-6:30 pm	BBQ dinner in TSRC tent outside the school; food, soft drinks, beer & wine provided
6:30-8:30 pm	Joint Session with "Switches" workshop <u>Kevin Gardner</u> (CUNY Advanced Science Research Center, New York, NY) <i>TBD</i> <u>Ben Schuler</u> (U Zurich, Zurich, Switzerland) <i>Single-molecule spectroscopy of protein disorder</i> <u>Vince Hilser</u> (Johns Hopkins U, Baltimore, MD) <i>TBD</i> <u>Cliff Brangwynne</u> (Princeton U, Princeton, NJ) <i>TBD</i>

8:30-9:30 pm	<i>Mixer back in the tent; refreshments provided</i>
--------------	--

Thursday Morning, July 13

8:00-8:30 am	BREAKFAST at school
8:30-noon	GROUP ACTIVITIES; hiking, mountain biking, gondola rides

Thursday Afternoon, July 13

1:00-1:40 pm	Free time
1:40-2:20 pm	<u>Ashok A. Deniz</u> (deniz@scripps.edu) (Scripps Research Institute, La Jolla, CA) <i>Single Molecule Biophysics of Protein Disorder</i>
2:20-3:00 pm	<u>Lucia Chemes</u> luchemes@gmail.com (Leloir Institute, Buenos Aires, Argentina) <i>Tethering and affinity enhancement in intrinsically disordered protein interactions</i>
3:00-3:40 pm	<u>Filippo Pullara</u> fip1@pitt.edu (U Pittsburgh, Pittsburgh, PA) <i>Integrative strategies for probing energy landscapes and dynamics of IDPs</i>
3:40-4:00 pm	BREAK
4:00-4:40 pm	<u>Nicolas Fawzi</u> nicolas_fawzi@brown.edu (Brown U, Providence, RI) <i>Using NMR and simulations to see structural details of phase separating IDPs</i>
4:40-5:20 pm	<u>Cliff Brangwynne</u> (cbrangwy@Princeton.EDU) (Princeton U, Princeton, NJ) <i>Moving through intracellular phase space</i>
5:20-6:00 pm	<u>Amy S. Gladfelter</u> amyglad@unc.edu (U North Carolina, Chapel Hill, NC) <i>RNA control of intracellular phase transitions</i>

Friday Morning, July 14

8:00-8:30 am	BREAKFAST at school
--------------	----------------------------

Friday Afternoon/Evening, July 14

1:00-1:40 pm	<u>Ben Schuler</u> (schuler@bioc.uzh.ch) (U Zurich, Zurich, Switzerland) <i>Extreme disorder in a high-affinity protein complex</i>
1:40-2:20 pm	<u>Albert Perez-Riba</u> (ap732@cam.ac.uk) (U Cambridge, Cambridge, UK) <i>Dissecting and designing the conformational and functional properties of IDPs using a model protein framework</i>
2:20-3:00 pm	<u>Sigrid Miles</u> sigrid.milles@ibs.fr (IBS, Grenoble, France) <i>Combining fluorescence and NMR spectroscopies in studies of IDP plasticity and dynamics</i>
3:00-3:40 pm	<u>Chris Stanley</u> (stanleycb@ornl.gov) (Oak Ridge National Labs, Oak Ridge, TN) <i>Neutron scattering to investigate disordered proteins</i>
3:40-4:00 pm	BREAK
4:00-4:40 pm	<u>Diana Mitrea</u> Diana.Mitrea@STJUDE.ORG (St. Jude, Memphis, TN) <i>Multiple mechanisms mediate NPM1-dependent phase separation in the nucleolus</i>
4:40-5:20 pm	<u>Tanja Mittag</u> (Tanja.Mittag@STJUDE.ORG) (St. Jude, Memphis, TN) <i>LLPS of a tumor suppressor with its substrates is altered by cancer mutations</i>
5:20-6:00 pm	<u>Scott Showalter</u> sas76@psu.edu (Penn State U, State College, PA) <i>Regulation of Eukaryotic Gene Expression by Intrinsically Disordered Proteins</i>

7:30-???	GROUP DINNER <i>Pizza Party w/ drinks in the TSRC tent (\$45 each, guests welcome)</i>
----------	--

Saturday Morning, July 15

8:00-8:30 am	BREAKFAST at school
--------------	----------------------------

8:30-10:30 am	Wrap-up session, further discussion (optional)
---------------	---