

**TSRC Workshop on Intrinsically Disordered Proteins**  
**Telluride, Colorado, July 16-20, 2019**

**Monday evening, July 15**

5-6:30 pm	<b>MIXER at Oak, 250 W San Juan Avenue (Gus's Way; below Camels Garden Hotel and near gondola).</b>
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**Tuesday Morning, July 16**

8:00-8:30 am	<b>BREAKFAST at school</b>
8:30-9:10 am	<b>Aurelia Ball, Skidmore College</b> ( <a href="mailto:kaureliaball@gmail.com">kaureliaball@gmail.com</a> ); "Two segments of a proline-rich peptide play distinct roles in the initial SH3 binding interaction"
9:10-9:50 am	<b>Gary Daughdrill, University of South Florida</b> ( <a href="mailto:gdaughdrill@usf.edu">gdaughdrill@usf.edu</a> ); "Protein disorder and DNA binding specificity"
9:50-10:30 am	<b>Ben Schuler, University of Zurich</b> ( <a href="mailto:schuler@bioc.uzh.ch">schuler@bioc.uzh.ch</a> ); "Properties and functions of biological polyelectrolyte complexes"
10:30-10:45 am	<b>BREAK</b>
10:45-11:25 am	<b>Joint Session with "Crowding" workshop</b> <b>Richard Kriwacki, St. Jude Children's Research Hospital</b> ( <a href="mailto:Richard.kriwacki@stjude.org">Richard.kriwacki@stjude.org</a> ); "IDPs in Regulation of Key Biological Processes through Phase Separation"
11:25-12:05 am	<b>Margaret Cheung, University of Houston</b> "Critical phenomena in the temperature-pressure-crowding phase diagram of a protein"
7 pm	<b><u>Town Talk &gt;&gt; canceled</u></b>

**Wednesday Morning, July 17**

8:00-8:30 am	<b>BREAKFAST at school</b>
8:30-9:10 am	<b>Rohit V. Pappu, Washington University at St. Louis</b> ( <a href="mailto:pappu@wustl.edu">pappu@wustl.edu</a> ); "Charge regulation opens new dimensions for IDPs"
9:10-9:50 am	<b>Sanjay Kumar, University of California, Berkeley</b> ( <a href="mailto:skumar@berkeley.edu">skumar@berkeley.edu</a> ); "Cytoskeleton-inspired IDP brushes: Structure, mechanics, and phosphoregulation"
9:50-10:30 am	<b>Rebecca B. Berlow, The Scripps Research Institute, La Jolla</b> ( <a href="mailto:rberlow@scripps.edu">rberlow@scripps.edu</a> ); "Mechanisms of competition between disordered proteins <i>in vitro</i> and <i>in vivo</i> "
10:30-10:45 am	<b>BREAK</b>
10:45-11:25 am	<b>Arvind Ramanathan, Argonne National Laboratory</b> ( <a href="mailto:ramanathana@anl.gov">ramanathana@anl.gov</a> ); "Machine learning driven multi-scale simulations of IDP ensembles"
11:25-12:05 pm	<b>Erik W. Martin, St. Jude Children's Research Hospital</b> ( <a href="mailto:Erik.Martin@STJUDE.ORG">Erik.Martin@STJUDE.ORG</a> ); "Evolutionary tuning presents classic homopolymeric character in heterogeneous protein disordered regions"
12:05-12:45 PM	<b>Joshua Riback, Princeton University</b> ( <a href="mailto:jriback@princeton.edu">jriback@princeton.edu</a> ); "Selective Partitioning in Multicomponent Condensates"

**Wednesday Evening, July 17**

6:00-7:00 pm	BBQ dinner in TSRC tent outside the school; food, soft drinks, beer & wine provided
7:00-8:30 pm	<b>Joint Session with "Crowding" workshop</b> <b>Vince Hilser, Johns Hopkins University</b> ( <a href="mailto:hilser@jhu.edu">hilser@jhu.edu</a> ); "Disorder and bi-directional allostery" <b>Gary Pielak, University of North Carolina, Chapel Hill</b> ; "Understanding protein behavior in cells"

8:30-10:00 pm	<i>Mixer back in the tent; refreshments provided</i>
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## Thursday Morning, July 18

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

## Thursday Afternoon, July 18

1:40-2:20 pm	<b>Sarah Rauscher, University of Toronto</b> ( <a href="mailto:sarah.rauscher@utoronto.ca">sarah.rauscher@utoronto.ca</a> ); "Molecular Simulations of Disordered and Flexible Proteins"
2:20-3:00 pm	<b>Ashok A. Deniz, The Scripps Research Institute, La Jolla</b> ( <a href="mailto:deniz@scripps.edu">deniz@scripps.edu</a> ); "Biophysics of protein disorder, single molecules to droplets"
3:00-3:40 pm	<b>Alex S. Holehouse, Washington University at St. Louis</b> ( <a href="mailto:alex.holehouse@wustl.edu">alex.holehouse@wustl.edu</a> ); "A stickers-and-spacers model for understanding phase separation of low-complexity sequences"
3:40-4:00 pm	<b>BREAK</b>
4:00-4:40 pm	<b>Hugo Sanabria, Clemson University</b> ( <a href="mailto:hsanabr@clemson.edu">hsanabr@clemson.edu</a> ); "Scale free conformational plasticity in IDPs"
4:40-5:20 pm	<b>Robert Best, NIH/NIDDK</b> ( <a href="mailto:robertbe@helix.nih.gov">robertbe@helix.nih.gov</a> ); "Coarse-grained models for liquid-liquid phase separation of IDPs"
5:20-6:00 pm	<b>Chris Stanley, Oak Ridge National Laboratory</b> ( <a href="mailto:stanleycb@ornl.gov">stanleycb@ornl.gov</a> ); "Small-angle neutron scattering on IDPs"

## Friday Morning, July 19

8:00-8:30 am	<b>BREAKFAST at school</b>
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## Friday Afternoon/Evening, July 19

1:40-2:20 pm	<b>Luhua Lai, Peking University</b> ( <a href="mailto:lh lai@pku.edu.cn">lh lai@pku.edu.cn</a> ); "Ligand discovery for IDPs"
2:20-3:00 pm	<b>Tae Hun Kim, University of Toronto</b> ( <a href="mailto:taehun.kim@mail.utoronto.ca">taehun.kim@mail.utoronto.ca</a> ); "Phospho-Dependent Phase Separation of FMRP and Caprin-1 Recapitulates Regulation of Translation and Deadenylation"
3:00-3:40 pm	<b>Thomas C. Boothby, University of North Carolina</b> ( <a href="mailto:tboothby@live.unc.edu">tboothby@live.unc.edu</a> ); "Using tardigrades to explore the mechanistic roles of IDPs during stress tolerance"
3:40-4:00 pm	<b>BREAK</b>
4:00-4:40 pm	<b>David Cowburn, Albert Einstein University</b> ( <a href="mailto:david.cowburn@einstein.yu.edu">david.cowburn@einstein.yu.edu</a> ); "Deciphering fast and fuzzy interactions in the nuclear pore complex"
4:40-5:20 pm	<b>Joan-Emma Shea, University of California, Santa Barbara</b> ( <a href="mailto:shea@ucsb.edu">shea@ucsb.edu</a> ); "Aggregation and Coacervation of the Tau Protein"
5:20-6:00 pm	<b>Scott A. Showalter, Pennsylvania State University</b> ( <a href="mailto:sas76@psu.edu">sas76@psu.edu</a> ); "Regulation of Eukaryotic Gene Expression by Intrinsically Disordered Proteins"
7:00-9:00 pm	<b>GROUP DINNER</b> <i>Pizza Party w/ drinks in the TSRC tent (\$45 each, paying guests welcome)</i>

## Saturday Morning, July 20

8:00-8:30 am	<b>BREAKFAST at school</b>
8:30-10:30 am	<b>Wrap-up session/further discussion (optional) or free time; SAFE TRAVELS!</b>