CSBW 2019 Schedule:

9-9:10: Opening remarks (Nurit Haspel)

9:05-9:30:Jinbu Wang (Lehigh University) and Brian Chen (Lehigh University). *On Conformations of peptides bound to class I Major Histocompatibility Complexes.*

9:30-9:55: Amir Vajdi (Dana Farber Cancer Center), Arpita Joshi (UMass Boston) and Nurit Haspel (University of Massachusetts Boston). *Integrating Co-Evolutionary Information in Monte Carlo Based Method for Proteins Trajectory Simulation.*

9:55-10:20: Fardina Alam (George Mason University), Taseef Rahman (George Mason University) and Amarda Shehu (George Mason University). *Learning Reduced Latent Representations of Protein Structure Data.*

10:20-11:00: Coffee Break

11:00-11:25: Lin Chen (Valdosta State University) and Jing He (Old Dominion University). *A Histogram-based Outlier Profile for Atomic Structures Derived from Electron Cryo-microscopy.*

11:25-11:50: Elizabeth West (Western Washington University), Kyle Daling (Western Washington University), Courtney Miller (Western Washington University), Wes Rosales (Western Washington University), Sasa Vukovic (Western Washington University) and Filip Jagodzinski (Western Washington University). *CONSEQUENCES : Protein SEQuence Search with Multiple Weighted User CONstraints.*

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| 11:50-12:15: Ahmed Bin Zaman (George Mason University), Parastoo Kamranfar (George Mason University), Carlotta Domeniconi (George Mason University) and Amarda Shehu (George Mason University). *Decoy Ensemble Reduction in Template-free Protein Structure Prediction.* |  |  |  |

12:15-13:30 Lunch break

13:30-13:55: Hunter Read (Western Washington University), Dylan Carpenter (Western Washington University), Sam Herr (Western Washington University) and Filip Jagodzinski (Western Washington University). *PEtRA: Protein-ligand Complex Engineering Through Rigidity Analysis.*

13:55-14:20:  Zhenni Zhao (Renmin University of China) and Xinqi Gong (Renmin University of China). *Trimer Protein-Protein Complex Interface Interacting Residue Pairs Prediction Using Deep Learning Approach.*

14:20-14:45: Bicher Devan (Lehigh University) and Brian Chen (Lehigh University). *A Volumetric Survey of Cavities and Electrostatic Patterns in Protein-RNA Binding Sites.*

14:45-14:50: Concluding remarks