

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 ([Elizabeth City 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.*

11:50-12:15: Ahmed Bin Zaman ([George Mason University](#)), Parastoo Kamranfar ([George Mason University](#)) and Amarda Shehu ([George Mason University](#)). *Decoy Ensem 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