

GlycoMIP Student/Postdoc Poster List – March 7, 2022 Poster Session

1. *Polysaccharide-block-polypeptide Biodegradable Block Copolymers via Polymerization-induced Self-assembly (pisa) in Water*, **Abby Chinn**, Virginia Tech (Matson)
2. *A Network Framework for Data Collecting, Searching, and Sharing for GlycoMIP*, **Fangxi (Toby) Wang**, Virginia Tech (Deshmukh)
3. *Investigating the Effect of Shape on Temperature Sensitive Bottlebrush Conformations using Convolutional Neural Networks*, **Soumil Joshi**, Virginia Tech (Deshmukh)
4. *Development of Coarse-grained Models of Carbohydrates*, **Parisa Farzeen**, Virginia Tech (Deshmukh)
5. *Comparison of All-atom Carbohydrate Force-fields for Monosaccharides*, **Parisa Farzeen**, Virginia Tech (Deshmukh)
6. *High-throughput Formulation and Characterization of Hydrogel Material Libraries*, **Yang Liu**, Virginia Tech (Johnson)
7. *MALDI-based Imaging at GlycoMIP*, **Didier Mena Aguilar**, Virginia Tech (Helm)
8. *Chemoenzymatic Synthesis of Homogeneous Heparan Sulfate and Chondroitin Sulfate Chimeras*, **Eduardo Stancanelli**, UNC Chapel Hill (Liu)
9. *Imitation is the Sincerest Form of Flattery: Using Sialic Acid-containing Polymers for Influenza Inhibition*, **Rachel H. Bianculli**, J.D. Mase, M.D. Schulz, Virginia Tech (Schulz)
10. *Hyperbranched Materials with Terminal Sialic Acid Moieties for Norovirus Inhibition*, **Jonathan D. Mase**, R.H. Bianculli, M.D. Schulz, Virginia Tech (Schulz)
11. *Synthesis and Evaluation of Antiviral Activity of 9-O-Acetyl-6'-sialyllactose-conjugated PAMAM Dendrimer Against SARS-CoV-2*, **Peng He**, Ke Xia, Fuming Zhang and Robert J. Linhardt, Rensselaer Polytechnic Institute (Linhardt)
12. *Glycan De Novo Reconstruction from MSn Data*, **Xinyi Ni**, Brandeis University (Hong)
13. *Predicting the Properties of Monosaccharides from AMOEBA Force Field*, **Sarasi Banerjee**, Virginia Tech (Welborn)
14. *Carbohydrate Structure Analysis with Chiroptical Spectroscopy Methods*, **C. Taylor Dean**, Virginia Tech (Roman)
15. *Evaluation of Surface Acetylated Bacterial Cellulose for Antibacterial Wound Dressing Applications*, **Timothy Bertucio**, Virginia Tech (Roman)
16. *Exploring Polysaccharide-based Pressure-Sensitive Adhesives*, **Hu Young Yoon** (Roman)
17. *Continuous Flow Biocatalysis with In-line Monitoring through Raman Spectroscopy*, **Gurkeerat Kukal**, Virginia Tech (Roman)
18. *The Role of ACE2 Receptor Glycosylation in Modulating SARS-CoV-2 Spike Affinity*, **Paige LaMore**, University of Georgia (Woods)
19. *Applications of Surface Plasmon Resonance to Glycomaterials*, **Tianyi Liu**, Ethan Fink, Gehui Liu, Guoqiang Yu and Alan Esker, Virginia Tech (Esker)
20. *Rational Design of Glycopeptides Enrichment Tool based on Boronic Acid Chemistry and ESI-MS/MS Analysis*, **Xu Yang**, University of Georgia (Azadi)
21. *Deep Learning-Based Chemical Structure Analysis Literature Review*, **Maede Maftouni**, Virginia Tech (Kong)