Ashli M. Morgan

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Education

2011 – 2015	Magnetic Resonance Research Center, Department of Chemistry and Biochemistry (now School of Molecular Sciences), Arizona State University, Tempe, AZ, USA. Ph.D., Biochemistry, August, 2015.

        Advisor: X. Wang.

        Thesis title: Identification of structural mechanisms that modulate glycosaminoglycan affinity in various strains of Decorin Binding Protein A.

2007 – 2011	Drury University, Springfield, MO, USA. Bachelor of Arts, Chemistry and Biology, May, 2011.

Professional Experience

2015 – *present*	*General Chemistry Instructor*, School of Molecular Sciences, Arizona State University, Tempe, AZ, USA.
2011 – 2015	*Graduate Research Assistant and Teaching Assistant*, Department of Chemistry and Biochemistry (now School of Molecular Sciences), Arizona State University, Tempe, AZ, USA.

Publications

Morgan, A. M., K. M. Sepuru, W. Feng, K. Rajarathnam, and X. Wang (2015) Flexible linker modulates glycosaminoglycan affinity of Decorin Binding Protein A. *Biochemistry*. **54**, 113-9.

Morgan, A. M. and X. Wang (2015) Structural mechanisms underlying sequence-dependent variations in GAG affinities of Decorin Binding Protein A, a *Borrelia burgdorferi* adhesin. *Biochem. J.* **467**, 439-51.

Deshauer, C., A. M. Morgan, E. O. Ryan, T. M. Handel, J. H. Prestegard, and X. Wang (2015) Interactions of the chemokine CCL5/RANTES with medium sized chondroitin sulfate ligands. *Structure* **23**, 1066-77.

Morgan, A. and X. Wang (2013) The novel heparin-binding motif in Decorin-Binding Protein A from strain B31 of *Borrelia burgdorferi* explains the higher binding affinity. *Biochemistry* **52**, 8237-45.

Honors and Awards

2007 – 2011   Trustee Scholarship, Drury University.

Teaching

Spring 2017   CHM 113 (General Chemistry I), Arizona State University, Tempe, AZ, USA. Enrollment: 225. Rating: 4.66.

Service

10/2017   Chemistry Demonstrations at ASU Homecoming with SAACS chapter.

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