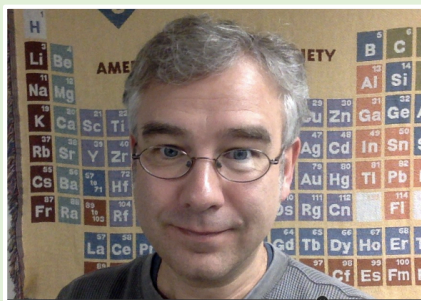


Panel Discussion : NIH AREA R15 grant

Friday February 12th
2021 - 12:00 pm (Central Time)



Dr. Kevin E. Riley is a Associate Professor of Chemistry at Xavier University of Louisiana. Dr. Riley's research is all based on computational chemistry techniques and is mainly focused on the treatment of noncovalent interactions. Noncovalent interactions play critical roles throughout Chemistry and are extremely important in protein structure, the interactions of ligands with proteins, material science, and fluid dynamics. The main focus of Dr. Riley's research is in the application of computational methods to treat noncovalent interactions in biological systems, including nucleic acids (DNA/RNA), proteins, and (especially) protein-ligand complexes. Dr. Riley is particularly interested in halogen bonds and the roles that they play in protein-ligand bonding. 1R15GM113193-01 - National Institute of General Medical Sciences (NIGMS) - The LXRs are a nuclear receptor, exhibiting two isoforms (LXR α and LXR β) that have been demonstrated to be important mediators in a number of human diseases, including atherosclerosis, diabetes, cardiovascular disease, autoimmune disorders, Alzheimer's disease, and several types of cancer. The main goal was to conduct research, using modern computational and chemical synthetic techniques, that will lead to the development of new isoform-specific LXR agonists that selectively bind LXR β .

