

"Chemical Models of Protein β -Sheets that Dimerize in Water Through Interchain β -Sheet Interactions" Nowick, J. S.; [Khakshoor, O.](#) Presented at the 229th National Meeting of the American Chemical Society, San Diego, CA, March 2005; paper ORG 731.

Abstract: To better understand and control β -sheet interactions between disease-related proteins, our research group is developing chemical models of protein β -sheets. This poster describes the development of 54-membered-ring cyclic peptides that fold and dimerize in water through interchain β -sheet interactions. These cyclic peptides, which contain two unnatural amino acids Hao on one edge and a heptapeptide β -strand on the other edge, form β -sheet dimers that further associate to form higher oligomers, possibly tetramers.

