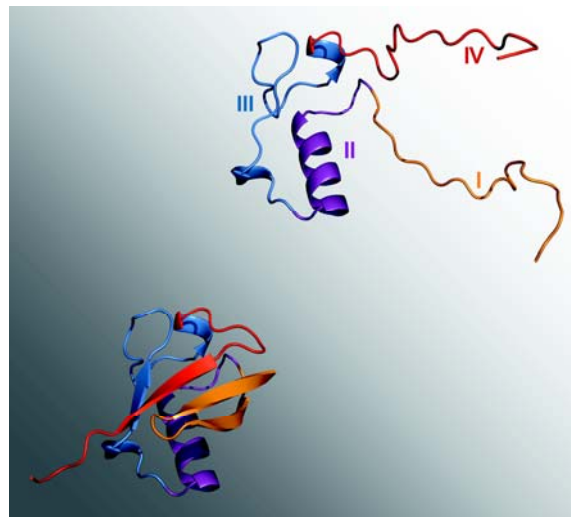


Structure, folding, and dissociation of gaseous biomolecules

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Biomolecules are affected by environment - physical parameters such as temperature and pressure, as well as chemical factors such as pH and solvent polarity can affect their shape. We are interested in the effect of complete desolvation on the structure, stability, and folding of gaseous biomolecules. But why is this of any interest? After all, the vast majority of biochemical processes takes place in condensed phase environments. Our motivation for gas phase studies ranges from a fundamental understanding of higher order structure formation (external factors vs. intrinsic determinants) to mass spectrometry (MS) applications, including 'native MS' experiments and sequencing of large biomolecules.