

*The 20<sup>th</sup> International Conference on Chemical Education, August 2008*

## **Lesions in DNA Subunits: Foundational Studies of Molecular Structures and Energetics**

H. F. Schaefer\*

*Center for Computational Chemistry The University of Georgia, Athens, U.S.A*

\*Author for correspondence e-mail; sch@uga.edu

The study of biomolecules in the gas phase is perhaps the most rapidly growing branch of physical chemistry. Most of the important experiments are either difficult to perform or challenging to interpret. Thus there are rich possibilities for comparison between theory and experiment. Some of these new chemical opportunities will be discussed.