DUKE UNIVERSITY’S DR. DAVID C. RICHARDSON TO SPEAK AT HAUPTMAN-WOODWARD STRUCTURAL BIOLOGY SERIES SEMINAR

David C. Richardson, Ph.D., of Duke University, is scheduled to lecture at the Hauptman-Woodward Medical Research Institute on Thursday, October 2, 2008. He will present his lecture, “Checking on your Mol’s Probity: MolProbity Evaluation for Structure Refinement and Bioinformatics.” The lecture will begin at 4 p.m. in the Hauptman-Woodward Flickinger Seminar Suite immediately followed by a networking reception.

Richardson, whose appearance was a special request from the HWI Structural Biology graduate students, is currently a professor of Biochemistry at Duke University where he and his wife Jane S. Richardson run a single research group. The Richardson laboratory’s long-term goal is to gain an increased understanding of 3D protein and RNA structures. The Richardsons have used a number of approaches to achieve this goal including: structural bioinformatics, computer graphics, protein design, as well as macromolecular crystallography. The lab actively works on structural analysis and methods development, with a current focus on the improvement of structural accuracy during the modeling process. This group has been widely recognized for the development of hand drawings to represent protein structures, which have made popular the use of ribbon schematics and created a base for the widely-used computer ribbon drawings. Their kinemages were one of the first usable computer graphics on small computers.

He received his bachelor’s degree in Chemistry at Swarthmore College in Swarthmore, Pennsylvania in 1962. In 1967 he received his Ph.D. in Inorganic Chemistry at the Massachusetts Institute of Technology in Cambridge, Massachusetts, where he went on to complete his postdoctoral in 1969. The same year, he worked as a staff fellow in the laboratory of Chemical Biology at NIH in Bethesda, Maryland. In late 1969 Richardson joined the Faculty in Duke University’s Department of Biochemistry in Durham, North Carolina. He became a full professor in the Biochemistry Department at Duke University in 1991.

ABOUT HWI

With more than 50 years of exceptional scientific research, the Hauptman-Woodward Institute is an internationally-renowned independent, non-profit facility specializing in life-altering research. Our team of more than 75 members is committed to improving human health through the study of the causes of diseases, as well as potential therapies, at their fundamental molecular level. HWI is located in the heart of the Buffalo Niagara Medical Campus in Downtown Buffalo, New York, in a state-of-the-art structural biology research center at 700 Ellicott Street. For more information, visit HWI’s website at www.hwi.buffalo.edu or call 716-898-8600.