CORNELL UNIVERSITY’S DR. SOL GRUNER TO SPEAK TODAY AT HWI SEMINAR SERIES

Cornell University’s Sol M. Gruner, Ph.D. will today present a seminar on “Pressure as Probe to Understand Protein Function” at 4 p.m. at 700 Ellicott Street immediately followed by a reception.

Gruner is currently Director of the Cornell High-Energy Synchrotron Source, or CHESS http://www.chess.cornell.edu/, and also serves as a Professor of Physics at Cornell.

His primary research interests include the structure and properties of soft matter, biomaterials and X-ray instrumentation and methods. Gruner has long been involved in the development of X-ray detectors and was responsible for much of the development of the CCD-based X-ray detectors that predominate at synchrotron sources today. He now is at the forefront of development of Pixel Array Detectors. He also is active in the fields of studying proteins under pressure and research on nanocomposite self-assembling materials. For more information on his research visit his web page, http://bigbro.biophys.cornell.edu/research/

He received his doctoral degree from Princeton University in 1977.

ABOUT CHESS
CHESS is a user-oriented National Facility to provide state-of-the-art synchrotron radiation facilities to the scientific community. According to Cornell’s data, each year approximately 500 scientists and scientists in training visit CHESS to collect data that comprises all or part of their research programs. Scientists use the high-brilliance X-ray beams generated by the synchrotron to conduct cutting-edge research in the field of structural biology. Synchrotrons contain a large central ring around which high-energy electrons circulate, spinning off X-rays. Spaced around the wall of the ring are apertures through which X-rays are harnessed for experiments. There are only eight synchrotrons in the United States and only a few dozen worldwide.

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. Hauptman-Woodward is celebrating the 25th 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.

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