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Lecture Features International Nanobiotechnology Expert

07/14/2016

The Ohio State University College of Pharmacy is pleased to present **Peixuan Guo, PhD**, on **Tuesday, July 26, 1:45 p.m.**, Room 103, Lloyd M. Parks Hall, 500 West 12th Ave. Guo's talk, "***Biomotors and RNA Nanotechnology for Application in Drug Development, Cancer Therapy and Single Molecule Sensing***," is part of the celebration of Chih-Ming Chen (PhD '81), and his wife, Virginia for their endowment of The Sylvan G. Frank Chair, held by Guo.



One of the top nanobiotechnology experts in the world, Guo joined the College of Pharmacy last January. He received his PhD in Microbiology and Genetics from the University of Minnesota in 1987. Guo served as a postdoctoral researcher at the National Institutes of Health before joining the faculty of Purdue University in 1990. While at Purdue, Guo founded two interdisciplinary graduate programs and established an NIH nanomedicine development center. Guo became the Dane & Mary Louise Miller Endowed Chair of Biomedical Engineering at the University of Cincinnati in 2007 before moving to the University of Kentucky in 2012.

Guo's focus on nanobiotechnology, or the biological study and application of extremely small (between 1 to 100 nanometers) elements, has opened doors to new discoveries. He constructed the first viral DNA packaging motor in vitro (*PNAS*, 1986); discovered phi29 motor pRNA; assembled infectious dsDNA; discovered pRNA hexamer; and pioneered RNA nanotechnology.

Guo received the Pfizer Distinguished Faculty Award in 1995; the Purdue Faculty Scholar award in 1998; the Lions Club Cancer Research Award in 2006; the 2009 Distinguished Research Alumnus Award of the University of Minnesota; and the University of Minnesota China 100 Distinguished Chinese Alumnus in 2014. He has been an editor or board member of 10 nanotech and other journals. His work has been reported on ABC and NBC, and featured in newsletters and websites of the NIH, NSF, MSNBC, NCI and *ScienceNow*.

The Sylvan G. Frank Chair is funded by a \$2.5 million endowment given to the college by alumnus Chih-Ming Chen (PhD '81), and his wife, Virginia. The gift is the largest in college history. It honors Sylvan Frank, former professor of Pharmaceutics and Pharmaceutical Chemistry and associate dean for Professional Programs, who retired in June 2013 as professor emeritus after 43 years with the college.

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