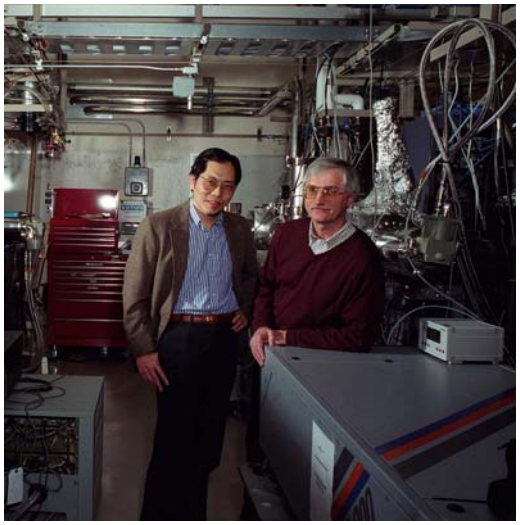
William R. Wiley EMSL In Brief
Environmental Molecular Sciences Laboratory

EMSL User Selected as Guggenheim Fellow

Lai-Sheng Wang, Professor of Physics at Washington State University and Affiliate Senior Chief Scientist at the Pacific Northwest National Laboratory (PNNL)—on whose campus EMSL resides—has been named a 2005 Guggenheim Fellow.



Lai-Sheng Wang (left) in his lab located in EMSL's Chemistry and Physics of Complex Systems Facility. At right is fellow collaborator and EMSL user Alexander Boldyrev of Utah State University.

Wang received the honor for his studies of atomic clusters and multiply charged anions. He was one of 186 artists, scholars, and scientists selected from more than 3,000 applicants for awards totaling greater than $7 million.

Much of Wang's research centers around the capabilities in EMSL's Chemistry and Physics of Complex Systems Facility. His groundbreaking work in the field of nanoclusters resulted in Wang and his team creating the first all-metal aromatic molecule and led to the discovery of unexpected properties of extremely small particles of gold and boron. Wang is also a pioneer in the study of multiply charged anions, where he created a research field of studying solution molecules in the gas phase.

The research of Wang and his collaborators has been featured in several prestigious journals, including *Science, Nature,* and *Proceedings of the National Academy of Sciences (USA).* He also received the 2005 College of Sciences Distinguished Faculty Award from Washington State University for his research at PNNL, leadership in the field of nanoclusters, and his studies of multiply charged anions.

In its 81st year, Guggenheim Fellowships are appointed based on past distinguished achievement and exceptional promise for future accomplishment.

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