

**NANO-BIO GRADUATE RESEARCH AND EDUCATION AT THE CITY UNIVERSITY OF NEW
YORK**

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Abstract: The talk will focus on ongoing programs in integrated nano/bio research and education at the City University of New York, the nation's largest and most diverse urban public University system. We will focus on sharing strategies and learnings from the NSF Research Traineeship (NRT), "Nanoscience Connected to Life: an Interdisciplinary Traineeship Program in Bioinspired Nanotechnology," which provides education, research, and career development to help build a new workforce in the emerging field of bioinspired nanotechnology. As this field undergoes rapid expansion and industry embraces these new approaches, society needs a uniquely trained and diverse workforce. Building on CUNY's reputation as an engine for upward mobility of a diverse student population, the program supports a student body that is as diverse as NYC to become effective leaders who will be able to solve complex problems facing the U.S. and provide new scientific breakthroughs at the nano/bio interface, including energy harvesting, medicine, and environmental remediation.

Bio: Rein Ulijn is the founding Director of the Nanoscience Initiative at the Advanced Science Research Center (ASRC), a state-of-the-art interdisciplinary research center at CUNY, New York. He is the Director of the NSF Research Traineeship NanoBioNYC, focused on interdisciplinary nanoscience at the interface with environmental science and biology. He is also Director of ASRC Sensor CAT, which is committed to expanding academic/industry partnerships to enhance developments in sensor technologies in New York State. He is a leading researcher in peptide materials and supramolecular systems chemistry and holder of a Vannevar Bush Faculty Fellowship from DoD and Einstein Professor of Chemistry at Hunter College of CUNY.