

2006 NNIN REU Students

Intern: Taylor, Dane

Institution: Univ. Wyoming

NNIN REU Site: University of Washington

REU Project Title: Microtextured Surface Energy Ratchets for Droplet Transport

Principal Investigator: Karl Bohringer

Mentor: Ashutosh Shastry

Intern: Kirschke, Elaine

Institution: UCSB

NNIN REU Site: University of Washington

REU Project Title: Engineering of Proteins as Scaffolding for Interactions with Nanoparticles

Principal Investigator: Beth Traxler

Mentor: Elicora Gachelet

Intern: Young, Kaylie

Institution: Brown

REU Project Title: Synthesis and Surface Functionalization of Magnetic Nanoparticles for Biomedical Applications

Principal Investigator: Younan Xia

Mentor: Xiamao Lu

Intern: Mach, Albert

Institution: Berkeley

REU Project Title: Simulation and Analysis of Protein Structure Dynamics

Principal Investigator: Wendy Thomas

Mentor: Brian Kidd

Intern: Fox, Michael

Institution: Cooper Union

REU Project Title: Thermal Management at the Nanoscale

Principal Investigator: Alexander Mamishev

Mentor: C. Peng Hsu & Nels Jewell-Larsen

2005 NNIN REU Students

Intern: Bovington, Jock

Institution: Seattle University

NNIN REU Site: University of Washington

REU Project Title: Pressure Sensing by Monitoring Lateral Charge Carrier Transport in Pt Porphyrins

Principal Investigator: Babak Parviz

Mentor: Dr. Jianchun Dong

Intern: Mooney, Victoria

Institution: Viterbo University

NNIN REU Site: University of Washington

REU Project Title: Chemical and Physical Patterning of Genetically Engineered Polypeptides for Inorganics

Principal Investigator: Alex Jen

Graduate Mentor: Melvin Zin

Intern: Przybyla, Laralynne

Institution: Purdue University

NNIN REU Site: University of Washington

REU Project Title: Engineered Protein Scaffolds for Interaction with Nanoparticles

Principal Investigator: Beth Traxler

Graduate Mentor: Eliora Gachelet

Intern: White, Michael

Institution: St. Michael's College

NNIN REU Site: University of Washington

REU Project Title: Fabrication and Analysis of Conjugate Polymer/ZnO Solar Cells

Principal Investigator: Daniel Gamelin

Graduate Mentor: William Liu

2004 NNIN-REU Fellows at UW

Intern: Mr. Brandon Karlsgodt

Institution: Dordt College

Major / Minor: Electrical Engineering / Physics

NNIN REU Site: University of Washington

Principal Investigator: Prof. Deidre Meldrum

REU Project Title: Integrated Biologically Active Microsystems Lab-on-a-Chip

Intern: Ms. Lisa Krueger

Institution: Ventura & Oxnard Colleges

Major / Minor: Electrical Engineering / Chemistry

NNIN REU Site: University of Washington

Principal Investigator: Asst. Prof. Babak Parviz

REU Project Title: Hybrid Nano-Scale Pattern Formation through Nanocrystal Self-Assembly

Intern: Mr. Brad Newsome

Institution: Asbury College

Major / Minor: Biochemistry

NNIN REU Site: University of Washington

Principal Investigator: Prof. Mehmet Sarikaya

REU Project Title: Molecular Substrates for Nanobiotechnology

Intern: Mr. Steven Santangelo

Institution: Central Washington University

Major / Minor: Chemistry / Mathematics

NNIN REU Site: University of Washington

Principal Investigator: Asst. Prof. Daniel Gamelin

REU Project Title: Synthesis of Diluted Magnetic Semiconductor Quantum Dots