

# Near and Far-Field Interfaces to DNA-Guided Nanostructures from RF to Light wave: Exploiting the Spectrum

## 3 Year MURI Review Meeting Agenda

Prince William & Fairfax Room  
Hyatt Regency Crystal City  
2799 Jefferson Davis Highway,  
Arlington, Virginia, USA 22202

February 25<sup>th</sup>, 2013

February 25 <sup>th</sup> , 2013	Speaker	Presentation Title
8:00am	Bill Clark (ARO)	Welcome & Introduction
8:30am	Peter Burke (UCI)	Program Overview
<b>THRUST 1: ASSEMBLY</b>		
9:00am	Nadrian Seeman (NYU)	DNA Nanotechnology
9:30am	Michael Norton (Marshall)	DNA Directed Assembly
10:00am	Break (15 mins)	
<b>THRUST 2A: PROBES: DC to THz</b>		
10:15am	Peter Burke (UCI)	Nanotubes and Graphene for RF to THz and Biosensors of Single Ion Channels in Nanofluidic Devices
10:45am	Elliot Brown (Wright State)	THz Spectroscopy
<b>THRUST 2B: PROBES: LIGHTWAVE</b>		
11:15am	Ritesh Agarwal (Penn)	Light-Matter Coupling in Semiconductor and Hybrid-plasmonic Nanowires
11:45am	Mark Reed (Yale)	Optical Plasmons on Metal Nanowires & Microfluidic Biosensors
12:15pm	Lunch (45 minutes)	
<b>THRUST 3: SIGNALS AND SYSTEMS</b>		
1:00pm	Michael Stroschio (UIC)	DNA & Quantum Dots
1:30pm	Kurt Becker (NYU)	DNA Spectral Signatures
2:00pm	Jorge Seminario (Texas A&M)	Simulation of Molecular Conductance
2:30pm	P. Mazumder (UMich)	Simulation of Molecular Conductance
3:00 PM	Peter Burke	Summary/Open Discussion (Question/Guidance) Period
<b>PROGRAM REVIEW</b>		
3:30pm	Scientific Advisory Board	Advisory board executive session
4:30pm	Bill Clark	Advisory board feedback
5:00pm	Adjourn for the Day	