

# Research Day Agenda

Hosted by the Dept. of Nanoscience & Microsystems Engineering  
with  
Chemical & Biological Engineering, Biomedical Engineering

## 2015 STEM Research Day

April 22<sup>nd</sup>, 2015

10:00 A.M. – 3:15 P.M.

Time	Item	Presenter
10:00-12:00	Poster Presentations	
12:00-12:15	break	
12:15-12:30	Modular Biosensors for Isothermal Detection of dsDNA, Oligonucleotides, and Small Molecules	Aurora Fabry-Wood
12:30-12:45	In-Situ Thermal Annealing of Poly(vinylidene fluoride)	Noel Dawson
12:45-1:00	Electron Transfer and Biofilm Morphology Studies on Modified Microbial Anodes	Jose A. Cornejo
1:00-1:15	Concealing Carbohydrates: <i>Candida albicans</i> ' secret to evading immune recognition	Matt Graus
1:15-1:30	Bacteria Be Gone: Applying poly(p-phenylene ethynyls) to Prevent Biofouling on Surfaces	Harry C. Pappas
1:30-1:45	Development of Silver-Carbon-Nanotube Metal Matrix Composites for Metal Contacts on Space Photovoltaic Cells	Omar K. Abudayyeh
1:45-2:00	Symmetry-Breaking in Periodic Nanostructures for Enhanced Light Trapping in Organic Solar Cells	Seok Jun Han
2:00-2:15	Tracking Amyloids with Oligo(p-phenylene ethynylene) Fluorescent Electrolytes	Patrick Donabedian
2:15-2:30	What the pHeck is going on? Ocean pH Data Omissions and Instrumental Accuracy Arguments Explored	Michael Wallace
2:30-2:45	Trapping of Mobile Pt Species by PdO Nanoparticles under Oxidizing Conditions	Cristhian Carrillo
2:45-3:00	Trapping Platinum on Ceria: Role of Surface Facets	John Jones
3:00-3:15	Nanoscale Theranostic Device Toehold Mediated Strand Displacement	Adán Myers y Gutiérrez
3:15-3:30	Winners Announced	