

International Symposium on Advanced Materials:
Building Functional Systems via Self-assembly
Palmas del Mar Puerto Rico

April 27th 2007

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The Laboratory
for Research on
the Structure
of Matter

POSTERS



Universidad de
Puerto Rico
en Humacao

P1 *Comparative Study of Electrospun Undoped and Antimony-doped Tin Oxide Nanofibers*, Anamaris Meléndez, Neliza León, Idalia Ramos, Nicholas Pinto and Jorge J. Santiago, UPR-Humacao

P2 *Preparation and Electrical Characterization of Polyaniline, Nanofibers, Nanotubes and Microspheres*, Angel M. Ayala, Margarita Ortiz and Nicholas Pinto, UPR-Humacao

P3 *The Construction of an Array using Amplification Products of the whole Salmonella Genome*, Giselle González, Samuel Frances, Paola Arias, Dianicha López and Esther Vega, UPR-Humacao

P4 *Synthesis of Highly Enantiopure Primary Amines by the Catalytic Reduction of Oxime Ethers using the Novel Spiroborate Ester/ Borane System*, Francisco Merced Ortiz, Angel Ayala Morales, Zuleika Oquendo, Xioagen Huang and Margarita Ortiz-Marciales, UPR-Humacao

P5 *Synthesis and Supramolecular Properties of Dendronized 8-aryl-2'-Deoxyguanosine Analogs*, José E. Betancourt and José M. Rivera, UPR-Río Piedras

P6 *Study of Electrospinning of Aqueous Solutions with Polyethylene Oxide and the use of a Secondary Electrode*, Juan Colón and Rogerio Furlan, UPR-Humacao

P7 *Scanning Probe Microscopy Investigation of Templated Chiral Surfaces through Tailored Intermolecular Interactions*, Luis C. Fernández, UPR-Cayey

P8 *Electrochemical DNA Biosensor Arrays using Functionalized Polystyrene Films*, Madeline Díaz and Ana Guadalupe, UPR-Río Piedras

P9 *Dynamics of Metal Transport Across a Liquid Membrane Mediated by Self-assembled Ionophores*, Mariana Martín-Hidalgo, Karla Camacho-Soto, Vladimir Gubala and José M. Rivera, UPR-Río Piedras

P10 *Synthesis and Self-assembly of 8-Aryl-2'-Deoxyguanosine Derivatives in Aqueous Media*, Marilyn García-Arriaga and José M. Rivera, UPR-Río Piedras

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P11 *The Extended Soft Mean Spherical Approximation (ESMSA): Fluids with Charged Particles*, Lesser Blum and Melvin Arias, UPR-Río Piedras

P12 *Dissipative Effects in the Electron Transport through Conducting Polymers*, Natalya Zimbovskaya, UPR-Humacao

P13 *Design of a VMD Plugin for MD Simulation of CNT-Polymer Hybrids*, Raúl Colón, Myrna Merced and José Sotero, UPR-Humacao

P14 *Influence of Various Gases on Device Characteristics of Regioregular Poly (3-Hexylthiophene) Field Effect Transistor*, Rut Rivera, Anamaris Meléndez, Idalia Ramos, Alan T. Johnson Jr. and Nicholas Pinto, UPR-Humacao

P15 *Studies on the Synthesis of Borazines from Borane and 1, 2- Aminoalcohols*, Viatcheslav Stepanenko, Margarita Ortiz-Marciales, Charles E. Barnes and Carmelo García, UPR-Humacao

P16 *Asymmetric Reductions of Prochiral Ketones with Spiroborates Esters Derived from Chiral 1,2-Aminoalcohols*, Wildeliz Correa, Lymanis Ortiz and Margarita Ortiz, UPR-Humacao

P17 *Formation of Functional Materials combining Electrospinning and Sputtering Techniques*, Wilfredo Otaño, Adamari Rivera, Víctor M. Pantojas and Carlos Ortiz, UPR-Cayey

P18 *Electrostatic Synthesis, Characterization and Sensor Applications of Porous Tin Oxide Nanofibers*, Yu Wang, Idalia Ramos and Jorge Santiago, UPR-Humacao

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