

10TH ANNUAL
ILLINOIS LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION
STUDENT RESEARCH SYMPOSIUM
GLENVIEW, ILLINOIS
OCTOBER 12-13, 2007

Celebrating the Past, Embracing the Future



CSU LS-AMP Director, Dr. LeRoy Jones II (left) with NSF National Director Dr. A. James Hicks

MBRS STUDENT PRESENTATIONS



ORAL PRESENTATIONS*

Zändra Floyd, George Howell and Felix M. Rivas, PROGRESS TOWARDS THE SYNTHESIS OF ANTIBACTERIALS-CICADAPEPTINS I & II: SYNTHESIS OF THE WESTERN HEMISPHERE

Nancy Davenport¹, Asare Nkansah¹ and Suhas Niyogi² FUEL CELLS: SYNTHESIS AND CHARACTERIZATION OF SULFONATED POLYSULFONE FOR PROTON EXCHANGE MEMBRANE (PEM) , ¹Chicago State University, Chicago, Illinois 60628; ²Argonne National Laboratory, Argonne, Illinois 60439

John Davis, Maxamus Ukaigwe and LeRoy Jones II, PREPARATION AND CHARACTERIZATION OF BIMETALLIC NANOPARTICLES FROM MICROEMULSIONS

George B. Howell, Jr., Zändra Floyd and Felix M. Rivas, PROGRESS TOWARDS THE SYNTHESIS OF ANTIBACTERIALS CICADAPEPTINS I AND II: SYNTHESIS OF THE WESTERN HEMISPHERE

POSTER PRESENTATIONS*

Sonya Blackman¹, Patrick Biggs¹, Gladius Lewis² and LeRoy Jones II,¹ PREPARATION AND EVALUATION OF AUTONOMOUS HEALING AGENTS FOR BONE CEMENT, ¹Department of Chemistry & Physics, Chicago State University, Chicago, Illinois 60628; ²Department of Mechanical Engineering, University of Memphis, Memphis, Tennessee 38152

Adrienne Eastland¹, David Tiede² and Kristy L. Mardis¹ BINDING OF ORGANIC ION PAIRS: DETERMINATION OF FORCEFIELD PARAMETERS AND FREE ENERGY CALCULATIONS, ¹Chicago State University, Chicago, Illinois 60628; ²Argonne National Laboratory, Argonne, Illinois 60439

Edgar L Glover, Byeong-Gyu Park and Juanita C. Sharpe, THE MUTAGENESIS AND PURIFICATION OF RECOMBINANT BAX BH3 REGION MUTANTS

Pamela Ihonor**, Denise J. Patrick and Joyce Ache Gana, EXPRESSION, PURIFICATION AND CHARACTERIZATION OF ALFALFA RECOMBINANT β -AMYLASE ACTIVITY IN VITRO

Agnes K. Kisai**, Nkechiyere Vidal Nwani and Juanita C. Sharpe, OPTIMIZATION OF RECOMBINANT BAX EXPRESSION

Everlyne Nkadori**, Denise Patrick and Joyce Ache Gana, ROOTCAR1 ALLELE D PROMOTER ACTIVITY IN ALFALFA (MEDICAGO SATIVA L.) MESOPHYLL PROTOPLAST

Heather M. Sutton¹, Kristy L. Mardis¹ and David M. Tiede² EFFECT OF SOLVENT BOX SIZE ON WIDE-ANGLE X-RAY SCATTERING PATTERNS, ¹Chicago State University, Chicago, Illinois 60628; ²Argonne National Laboratory, Argonne, Illinois 60439

Kecia M. Thomas and Aida Abraha, THE EFFECTS OF N-TERMINUS TRUNCATION ON TAU ASSEMBLY INVITRO AND IN ALZHEIMERS DISEASE

William Wardlow#, Skarlet Walls# and Marnie Boyd, MERCURY LEVELS IN SOIL: WHERE IS THE SOURCE?

Priscilla Zellarchaffers¹, Maribel Valdez¹, Bharat Thakkar and Jeff Collins², LABVIEW DATA ACQUISITION PROGRAMS APPLIED TO ENHANCED HEAT TRANSFER EXPERIMENTS, ¹Department of Mechanical, Materials and Aerospace Engineering, Illinois Institute of Technology, Chicago, Illinois 60616; ²Argonne National Laboratory, Argonne, Illinois 60439

Tyvette Hilliard¹ and LeRoy Jones II, PREPARATION OF HALF-METALLOCENE CATALYSTS FOR BIOMEDICAL APPLICATIONS, ¹Currently enrolled in PhD program in the Department of Medicinal Chemistry, University of Illinois Chicago, Chicago, IL 60680

*MBRS-RISE Students Identified In Boldface; **SCORE Program technical assistant; #RISE-PREMAT summer program student.