

## WCBSURC 2007 Poster Sessions

Poster Session I – Odd-numbered posters, 11:35am – 12:35pm

Poster Session II – Even-numbered posters, 12:55pm – 1:55pm

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**P1.** CORTICAL BONE THICKNESS IN RESPONSE TO AGE IN CARNIVOROUS MAMMALS. Brian Scrivens\* and Theresa Sexton\* (Wendy Binder), Loyola Marymount University, Dept. of Biology, 1 LMU Drive, MS 8220, Los Angeles, CA 90045.

**P2.** THE COST AND EFFECTIVENESS OF SMALL-SCALE CONTROL METHODS ON FENNEL, *FOENICULUM VULGARE*, IN NATIVIDAD CREEK PARK, SALINAS, CA. Abigail Gwinn\* (Laura Lee Lienk), California State University, Monterey Bay, Return of the Natives Restoration Education Project at the Watershed Institute, Building 42, 100 Campus Center, Seaside, CA 93955.

**P3.** ETHEPHON TRIGGERS GERMINATION IN THE SAND VERBENA *ABRONIA UMBELLATA* (NYCTAGINACEAE). Kelly Ahern, Sauda Bholat, Terry Dial, Serena Fermin, David Flick, Betty Lobanov, Natalia Michan, Theresa Sexton, Rosanna Tomiuk, Kaewalynn Wittayasiripaiboon (Philippa Drennan) Loyola Marymount University, Biology Department, 1 LMU Drive, Los Angeles, CA 90045.

**P4.** ISOLATION OF THERMOPHILES FROM LUND HOT SPRINGS, UTAH. Kenny Robinson\* (Charlotte Rosendahl), Southern Utah University, Dept. of Biology, 351 West University Boulevard, Cedar City, UT 84720.

**P5.** IN SITU MEASUREMENTS OF HYDROPHOBIC ORGANIC CONTAMINANTS IN BALLONA WETLAND AND CREEK. Patrick M. Carter,\* (Rachel G. Adams, John Dorsey) Loyola Marymount University, Dept. of Natural Science, 1 LMU Drive MS 8160, Los Angeles, CA 90045. Keith A. Maruya, and Jian Peng, Southern California Coastal Water Research Project, Costa Mesa, CA.

**P6.** MICROBIAL DIVERSITY OF NATIVE AND FE(III)-ENRICHED CONSORTIA FROM THE SEDIMENT-WATER INTERFACE OF AN ESTUARINE COASTAL WETLAND. Kelsey Unruh\*, Amy Hebling, Stefan Spring (David Cummings), Point Loma Nazarene University, Department of Biology, 3900 Lomaland Dr, San Diego, CA, 92106.

**P7.** BIOMAGNIFICATION OF WETLAND CONTAMINANTS IN GARDEN SPIDERS. Charisse Sy\* (James Landry, Jeremy McCallum, Martin Ramirez), Loyola Marymount University, Dept. of Biology, 1 LMU Drive, Los Angeles, CA 90045.

**P8.** EXPLORING BACTERIAL DIVERSITY IN THE BALLONA WETLANDS BY BIOCHEMICAL IDENTIFICATION AND COMMUNITY PROFILING. P. Carter\*, T. P. Nguyen and N. Yu (John Dorsey and Gary Kuleck), Loyola Marymount University, Depts. of Biology and Natural Science, 1 LMU Drive, Los Angeles, Ca 90045.

**P9.** THE THERMOTOLERANCE OF ALGAE IN EXTREME TEMPERATURES. Brittany Burkhead, Courtney Nau, and Stephanie Ong\* (Dennis Englin and Jairaj S. Gorlla), The Master's College, Dept. of Biology, 21726 Placerita Cyn. Rd., Santa Clarita, CA 91321-1200.

**P10.** ABILITY OF MANGANESE SUPPLEMENTATION AT EXTENDING THE LIFESPAN OF *CAENORHABDITIS ELEGANS*. Keyan Matinpour\* (T. Richard Parenteau, and Chandra Srinivasan), California State University, Fullerton Dept. of Chemistry Biochemistry 800 North State College Blvd., Fullerton, CA, 92831.

**P11.** THE GLOBAL TRANSCRIPTIONAL RESPONSE OF *SACCHAROMYCES CEREVISIAE* TO COLD SHOCK AND RECOVERY. Elizabeth M. Liu\* and Olivia S. Sakhon\* (Kam D. Dahlquist), Loyola Marymount University, Department of Biology, 1 LMU Drive, Los Angeles, CA 90045.

**P12.** DETERMINATION OF THE PARAMETERS OF VIABILITY OF *BAYLISASCARIS PROCYONIS*. Jon Kibbie\* and Teresa Sorvillo (Shira Shafir), Loyola Marymount University, Department of Biology, 1 LMU Drive, Los Angeles, CA 90045 and UCLA, Department of Epidemiology, 650 Charles E. Young Dr., Los Angeles, CA 90095.

**P13.** THE SURVIVABILITY OF HUMAN SCENT AFTER ENVIRONMENTAL EXPOSURE. Krystal Crawford\* and Serina Harvey\* (Lisa M. Harvey), Victor Valley College, Dept. of Biology, 18422 Bear Valley Rd., Victorville, CA 92395.

**P14.** THE SURVIVABILITY OF HUMAN SCENT AFTER EXPOSURE TO NINHYDRIN. Kevin Chow\* (Lisa M. Harvey), Victor Valley College, Dept. of Biology, 18422 Bear Valley Rd., Victorville, CA 92395.

**P15.** MEDIA OPTIMIZATION OF *HYPERICUM PERFORATUM* L. MERISTEM CULTURES. R. Donlon\* (T. M. Sirvent), Vanguard University, 55 Fair Drive, Costa Mesa, CA 92626.

**P16.** METHODS TOWARDS CLONING PKS GENES FROM *HYPERICUM PERFORATUM*. J. Badoud\*, B. Lay (T. M. Sirvent), Vanguard University, 55 Fair Drive, Costa Mesa, CA 92626.

**P17.** PLANT GENES FOR SUNSCREENS – A HYBRID CHEMISTRY/BIOLOGY APPROACH. M. Claire Edwards\*<sup>1</sup> and James R. Furr<sup>2</sup> (Michelle M. Bushey<sup>2</sup> and James R. Shinkle<sup>1</sup>) Trinity University Department of Biology (1) and Department of Chemistry (2) One Trinity Place, San Antonio TX, 78212-7200.

**P18.** EVOLUTIONARY ANALYSIS OF *CCS* AND *LCY-B* HOMOLOGS IN *CAPSICUM ANNUUM* AND RELATED SPECIES. Heather Highland\*, Winston H. Bowen (Kevin Livingstone) Trinity University, Dept. of Biology, 1 Trinity Pl., San Antonio, TX 78212.

**P19.** RESVERATROL, A CONSTITUENT OF RED WINE, INCREASES ANTIOXIDANT LEVELS AND PREVENTS DAMAGE FROM CIGARETTE SMOKE IN HUMAN BRONCHIAL EPITHELIAL CELLS. Albert Shih\*, Hongqiao Zhang, and Alessandra Rinna (Henry Jay Forman), University of California at Merced, Merced, CA95343.

**P20.** METABOLIC RATE DEPRESSIONS CAUSED BY LAMOTRIGINE INDUCE ANTI-AGING ARTIFACTS IN *DROSOPHILA MELANOGASTER*. Behnood Khodayari\* (Dr. Mahtab Jafari), 3103 McGaugh Hall, University of California Irvine, Irvine, CA 92697.

**P21.** THE EFFECTS OF SU(VAR) 2-4<sup>01</sup> ON THE RACING STRIPE PHENOTYPE. Aracely Dominguez, Joseph Russell, Termeh Toufanian (Catharine McElwain), Loyola Marymount University, Dept. of Biology, 1 LMU Drive, Los Angeles, CA, 90045.

**P22.** THE EXCISION OF THE P-ELEMENT INSERTION AT 26D1, THE PUTATIVE *EXTRA EYE* MUTATION IN *DROSOPHILA MELANOGASTER*. Sauda Bholat\*, Paulina Esparza\*, Chris Luk\*, Laura Quintero\*, Kyle Webster\* (M. Catharine McElwain), Loyola Marymount University, Department of Biology, 1 LMU Drive, Los Angeles, CA 90045.

**P23.** SEX DIFFERENCES IN THE EFFECTS OF ETHANOL DEPENDENCE AND WITHDRAWAL ON BODY TEMPERATURE IN RATS. Amy H. Truong\*, Stephen Gardner, Christine Kim, William Lee, Chloe Sui, Delia Tio, Anna N. Taylor. UCLA, Dept. of Neurobiology, Los Angeles, CA 90095.

**P24.** ANALOGS OF THE ANTIHYPERTENSIVE AGENT DIAZOXIDE. Nandita Devi\* (Michael P. Groziak), California State University, East Bay, Dept. of Chem. and Biochem., 25800 Carlos Bee Blvd., Hayward, CA 94542-3089.

**P25.** EFFECTS OF DIETARY FAT ON RETINAL DEGENERATION IN THE rd3 MOUSE MODEL. Kelly Ahern\* (Michael Danciger), Loyola Marymount University, Department of Biology, 1 LMU Drive, Los Angeles, CA 90045.

**P26.** CONFORMATIONAL FLEXIBILITY IN TELOMERE-CAPPING PROTEIN-DNA COMPLEXES. Angela Hansen\* (Martin P. Horvath), University of Utah, Department of Biology, 257 S 1400 E, Salt Lake City, UT 84112.

**P27.** LOCALIZATION OF BK CHANNELS IN MAMMALIAN VESTIBULAR SYSTEM  
David Savin<sup>1\*</sup>, Rebecca Hu<sup>2</sup>, Larry F. Hoffman<sup>2</sup> (Felix E. Schweizer<sup>1</sup>), <sup>1</sup>Department of Neurobiology, David Geffen School of Medicine at UCLA, <sup>2</sup>Division of Head and Neck Surgery, David Geffen School of Medicine at UCLA, 650 Charles E Young Dr S, Los Angeles, Los Angeles, California 90024.

**P28.** FLAGELLAR MOTOR PROTEIN INTERACTIONS. Rithy Meas\* (Donna L. Marykwas), California State University, Long Beach, Dept. of Biological Sciences, 1250 Bellflower Blvd., Long Beach, CA 90840.

**P29.** APOA-1 MIMETIC PEPTIDE D-4F INCREASES PARAOXONASE ACTIVITY. Dien Tran\* (Greg Hough), UCLA Cardiology, Dept. of Medicine, BH-307 Center for the Health Sciences, Los Angeles, CA 90095.

**P30.** LOSS OF INTERMEDIATE FLIAMENT PROTEINS LEADS TO ABNORMAL MUELLER CELL MORPHOLOGY AND INCREASED GANGLION CELL REACTIVITY IN THE RETINA FOLLOWING EXPERIMENTAL RETINAL DETACHMENT. Gabriel Luna<sup>\*1</sup>, Geoffrey P. Lewis<sup>1</sup>, Jiyun Byun<sup>3</sup>, Mark Verardo<sup>1</sup>, (Steven K. Fisher<sup>1,2</sup>). University of California, Santa Barbara, <sup>1</sup>Neuroscience Research Institute, <sup>2</sup>Department of Molecular, Cellular, and Developmental Biology, and <sup>3</sup>Department of Electrical and Computer Engineering, Center for Bio-image Informatics, Santa Barbara, CA 93117.

**P31.** HYPERMETHYLATION OF THE *KLF4* PROMOTER IN ACUTE LYMPHOBLASTIC LEUKEMIA. Vanessa M. Scarfone<sup>1\*</sup>, Michael G. Kharas<sup>1</sup>, Isharat Yusuf<sup>1</sup>, Matthew R. Janes<sup>1</sup> (David A. Fruman<sup>1,2</sup>), University of California-Irvine, <sup>1</sup>Department of Molecular Biology and Biochemistry, <sup>2</sup>Center of Immunology, Irvine, CA 92697.

**P32.** THE CO-INFECTION OF A SINGLE HUMAN T-CELL WITH HUMAN HERPES VIRUS-6 (HHV-6), HEPATITIS C VIRUS (HCV), AND HUMAN IMMUNODEFICIENCY VIRUS (HIV) Katherine Snyder\* (Dr. Dennis Revie<sup>+</sup>, Zaki Salahuddin<sup>++</sup>), California Lutheran University, Dept. of Biology, 101 Memorial Pkwy, Thousand Oaks, CA 91360

**P33.** CREATION OF MURINE-HUMAN RECOMBINANT IGG3 ANTIBODIES AGAINST THE GLUCORONOXYLOMANNAN (GXM) POLYSACCHARIDE COMPONENT OF *CRYPTOCOCCUS NEOFORMAN'S* CAPSULE. Angelica Riestra\* and Kileen Mershon (Sherie Morisson), UCLA, Dept. of Microbiology, Immunology, and Molecular Genetics, 611 Charles Young Dr., Los Angeles, CA 90095.

**P34.** THE ROLE OF PROATHEROGENIC HDL IN MONOCYTE CHEMOTACTIC ACTIVITY IN RESPONSE TO APOLIPOPROTEIN A-I MIMETIC PEPTIDES. Garrett Perrin\* (Mohamad Navab, Greg Hough), University of California, Los Angeles, 11803 Folkstone Ln., Los Angeles, CA, 90077.

**P35.** ACCELERATION OF LEUKEMIC TRANSFORMATION IN CALM-AF10 TRANSGENIC MICE BY RETROVIRAL INSERTIONAL MUTAGENESIS. Rachel Pierce\* (Peter D. Aplan and David Caudell), National Institutes of Health, National Cancer Institute, Center for Cancer Research, 9000 Rockville Pike, Bethesda, MD 20892.

**P36.** APOA-1 MIMETIC PEPTIDES AND TETRAPEPTIDES AS POTENTIAL THERAPEUTIC AGENTS FOR ATHEROSCLEROSIS. Jeryl Yu\* (Greg Hough), UCLA Cardiology, Dept. of Medicine, BH-307 Center for the Health Sciences, Los Angeles, CA 90095.

**P37.** HIGH THROUGHPUT SCREENING OF THE *ESCHERICHIA COLI* GENE KNOCKOUT COLLECTION FOR MUTATOR AND HYPER RECOMBINATION PHENOTYPES. Anne Liu\*, Katherine Kim, Bindu Patel, Cindy Tamae, and Katherine Tran (Jeffrey H. Miller), University of California, Dept. of Microbiology, Immunology, and Molecular Genetics, and The Molecular Biology Institute, 405 Hilgard Avenue, Los Angeles, CA 90095.

**P38.** THE FUNCTIONAL SIGNIFICANCE OF EVOLUTIONARILY DISTINCT FORMS OF RIBOSOMAL PROTEIN S15a IN ARABIDOPSIS. Stacey Abidayo, Ali Zaniel\* and Ammar Zaniel\* (Kathleen Szick-Miranda), CSU, Bakersfield, Dept of Biology, 9001 Stockdale Hwy, Bakersfield, CA 93311.

**P39.** TOLL-LIKE RECEPTORS ON EARTHWORM COELOMOCYTES Alfredo Roesadi\*, David Andrews\*, Matthew Ingle\*, Matthew Nalamlieng\* (Dr. Joseph Francis), The Master's College, Department of Science and Mathematics, 21726 Placerita Canyon Road, Santa Clarita, CA 91321.

**P40.** THE USE OF REPORTER FUSIONS TO QUANTITATE THE LEVEL OF SOS INDUCTION BY MUTAGENS AND ANTIBIOTICS IN *ESCHERICHIA COLI*. Katherine Kim\*, Anne Liu, Bindu Patel, Katherine Tran, and Cindy Tamae (Jeffrey H. Miller), University of California, Department of Microbiology, Immunology, and Molecular Genetics, and the Molecular Biology Institute, 405 Hilgard Avenue, Los Angeles, CA 90095.

**P41.** PCR-BASED COMBINATORIAL GENE SYNTHESIS FOR THE CONSTRUCTION OF A B-LACTAMASE GENE LIBRARY. Linda Khatchatourian\*, Rachel Stern and Kasia Zastawnik (David Moffet), Loyola Marymount University, Department of Chemistry and Biochemistry, 1 LMU Drive, Los Angeles, CA 90045.

**P42.** DNA SEQUENCING AND STORAGE BY LENGTH. Lauren K. Quezada\* (Nathaniel G. Portney and Mihri Ozkan), University of California, Riverside, Dept. of Electrical Engineering, 900 University Avenue, Riverside CA 92521.

**P43.** DISTRIBUTED ANNOTATION OF THE *D. ERECTA* CHROMOSOME 4 REVEALS A HIGH DEGREE OF SEQUENCE CONSERVATION AND SYNTENY WITH *D. MELANOGASTER* CHROMOSOME 4. N. Yu, S. Staugaard\*, and K. Ahern (Dr. Gary Kuleck), Loyola Marymount University, Biology Dept., 1 LMU Drive, Los Angeles, CA 90045.

**P44. MUTAGENESIS AND CRYSTAL STRUCTURE OF A METALLOENZYME RESPONSIBLE FOR THE DEGRADATION OF THE HERBICIDE ATRAZINE.**

Ray Uchida, Richard Warner, Bruce Howard (Charlotte Rosendahl), Southern Utah University, Dept. of Biology, 351 West University Boulevard, Cedar City, UT 84720.

**P45. CORONARY ARTERY BYPASS GRAFT SURGERY IMPROVES FUNCTIONAL STATUS AND SURVIVAL.** Farah Srichandra, Stephanie Lepionka, and Andrew Gerst (Dr. Dennis Boos), North Carolina State University, Department of Statistics, Raleigh, NC 27695.

**P46. STEROL REGULATORY ELEMENT BINDING PROTEIN (SREBP) EXPRESSION IN MICE LIVER AND THE GASTROINTESTINAL TRACT.** Jarrod Larson\* (Timothy Osborne & Tae il Jeon), University of California, Irvine, Department of Molecular Biology and Biochemistry, Irvine, CA 92697.

**P47. IMPLEMENTATION OF QUANTUM DOT (QD) TECHNOLOGY INTO UNDERGRADUATE RESEARCH AND TEACHING LABORATORIES.** B. Russi\*, A. Martin, and J. Huttenlocher (Dr. Gary Kuleck), Loyola Marymount University, Biology Dept., 1 LMU Drive, Los Angeles, CA 90045.

**P48. WHAT ARE THE LEARNING STYLE PREFERENCES OF PRE-MEDICAL STUDENTS COMPARED TO OTHER STUDENTS ENROLLED IN SCIENCE COURSES AT SAN FRANCISCO STATE UNIVERSITY?** Pamela C. Pablico\* and Huy Ngo (Jennifer Breckler), UCB/UCSF Joint Medical Program and San Francisco State University, Dept. of Biology, 1600 Holloway Avenue, San Francisco, CA, 94132.