CONTRIBUTED POSTERS – Monday

IV. CONTRIBUTED POSTER PRESENTATIONS

189 poster number is also the abstract number
193 (number italicized and underlined) identifies a student presentation
*identifies the presenter from among several authors listed

NOTE TO PRESENTERS: Boards on which to attach poster presentations will be set up in the hallway of the first floor of Science Hall. The poster boards have numbers on them that coincide with the numbers assigned to the posters in this program (see number to the left of the title of each presentation). You are expected to use the appropriately numbered board for your poster.

Posters should be set up at least 10 minutes prior to the start time of your session. You must be present with your poster for at least one hour during the four hours of the poster session in order to discuss your work. Cards will be available to use in posting the time(s) you will be available. If you are a student in competition for an Award of Excellence, you must be present with your poster from 12:00 p.m. to 2:00 p.m. in order to give judges the opportunity to review and discuss your work with you. Posters should be removed within one-half hour of the end of the session. Presenters assume full responsibility for the security of their poster and other materials. Unclaimed posters will be discarded at the close of the technical sessions Wednesday afternoon.

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Monday, 14 June 2010

POSTER SESSION I
Science Hall, 1st Floor Hallway
Monday
12:00 PM – 4:00 PM

ECOLOGY, ORGANISMAL BIOLOGY, and ENVIRONMENTAL SCIENCES

112 Analysis of the Spatial and Temporal Distributions of Dolphinfishes (Coryphaena hippurus and C. equiselis) in the Eastern Pacific Ocean. MARSHALL OLSON (Department of Marine Science and Environmental Sciences, University of San Diego, San Diego, CA).

113 An Analysis of Drosophila suzukii Populations in Jackson County, Oregon in 2009. WILLIAM REDD OURSLER (St. Mary’s High School, Medford, OR).

114 Forensic Analysis Reveals Hidden Etchings on Whale Tooth Ivory. MARGARET E. “COOKIE” SIMS and DARBY A. MORRELL (National Fish and Wildlife Forensics Laboratory, Ashland, OR).

115 Water Mold Diseases of Amphibian Embryos: Interactions among Three Saprolegnia Species. SUSAN F. BRADY*, R. STEVEN WAGNER, DANIEL J. SELSKE, and JAMES E. JOHNSON (Department of Biological Sciences, Central Washington University, Ellensburg, WA).

116 The Effects of a Newly Discovered Parasite (Apocephalus borealis) on the Health of Honey Bee Colonies. ANDREW CORE*, JOHN HAERNIK, JONATHAN IVERS, CHRIS QUOCK, CHRIS SMITH, and TRAVIS SIAPNO (Department of Biology, San Francisco State University, San Francisco, CA).

117 Aquatic Gilled Mushrooms in the Rogue River in Oregon: a New Species of Psathyrella. JONATHAN L. FRANK†*, ROBERT A. COFFAN², and DARLENE SOUTHWORTH¹ (¹Department of Biology and ²Department of Environmental Studies, Southern Oregon University, Ashland, OR).

118 Age-Specific Association with Potential Adult Habitat in Larval Bocaccio, Sebastes paucispinis, in the Southern California Bight. SEAN M. HITCHMAN†*, NATHALIE REYNS³, and RUSS D. VETTER² (¹Department of Marine Science, University of San Diego, San Diego, CA; ³Fisheries Resources Division, Southwest Fisheries Science Center, La Jolla, CA).

119 Declining – But Persistent – Atmospheric Contamination in Central California from the Re-suspension of Historic Leaded Gasoline Emissions as Recorded in the Lace Lichen (Ramalina menziesii Taylor) from

59
1892-2006, A. RUSSELL FLEGAL¹, CÉLINE GALLON¹, SHARON HIBDON¹, ZIKA KUSPA¹ and LÉO F. LAPORTE²* (¹Institute of Marine Sciences, University of California, Santa Cruz, CA; ²Department of Earth and Planetary Sciences, University of California, Santa Cruz, CA).

120 Stanford University’s Water Efficiency Program - 10 Years Later, MARGARET L. LAPORTE (Stanford University, Utilities Division, Sustainability and Energy Management, Stanford, CA).

EARTH SCIENCES

121 A New Kungurian Dyscritellid from the Kaibab Limestone of Southern Nevada, MICHAEL S. TOMA* and ERNEST H. GILMOUR (Department of Geology, Eastern Washington University, Cheney, WA).

EDUCATION

122 Using Inquiry to Foster Student Critical Thinking and Content Knowledge in Undergraduate Fundamental Biology, MIAO GAO*, IAN QUITADAMO¹, and RALF GREENWALD² (¹Department of Biological Science, ²Department of Psychology, Central Washington University, Ellensburg, WA).

123 A Flow Visualization Project in Fluid Mechanics, FRANK JACOBITZ*, BRYCE ABRAHAM, JEFF BENTZ, LAUREN DORUTH, MATT FOSTER, MATT GABBARD, MICHAEL JAROSINSKI, ADAM JONES, YEHIA OMAR, BRYAN REED, AVERI THOMAS, VICKY VARGAS, and CASEY WEISS (Mechanical Engineering Program, University of San Diego, San Diego, CA).

HEALTH SCIENCES

124 Gender and Racial/Ethnic Disparities in the Association between Body Mass Index and Walking Impairment in Persons with Knee Pain and Stiffness: A Population-Based Study, STEPHEN J. MOREWITZ (Department of Nursing and Health Sciences, California State University, East Bay, Hayward, CA).

125 A Comparison of Oral Health Status and Oral Health Quality of Life Based on Clinical Determinants in a National Probability Sample, MARK S. ORTEGA*, RAUL LEAL-RODRIGUEZ*, YI LUO, HONGHU LIU, and MARVIN MARCUS (California Endowment Pipeline Program, UCLA School of Dentistry, Division of Public Health and Community Dentistry, Los Angeles, CA).

126 Psychobiology of Immigration Stress: Relevance to Nasopharyngeal Carcinoma (NPC) Prevalence, RAISA AVEZOVA¹*, OLUWADAYO OLUWADARAYI, GEORGE KOSSAN¹, WILLIAM YOON¹, JAVIER IRIBARREN², and FRANCESCO CHIAPPELLI¹ (¹Division of Oral Biology and Medicine, University of California, Los Angeles (UCLA) School of Dentistry, Los Angeles, CA; ²UCLA Chicano Studies Research Center, Los Angeles, CA).

127 Association Between Body Mass Index and Demographic Characteristics in a National Sample of Children, Ages 6-11, ANAMEVYS ECHEVARRIA*, LUCELIA RIVERA*, HONGHU LIU, YI LUO, and MARVIN MARCUS (California Endowment Pipeline Program, Division of Public Health and Community Dentistry, UCLA School of Dentistry, Los Angeles, CA).

128 Demographic and Behavioral Factors and Active Caries in a National Sample, DENISE I. ROBLES*, MONIQUE R. BELIN*, YI LUO, HONGHU LIU, and MARVIN MARCUS (California Endowment Pipeline Program, Division of Public Health and Community Dentistry, UCLA School of Dentistry, Los Angeles, CA).

129 Characterizing the Role of Monocytes in Immune Responses Against Oral Tumors, CHELCEE BAKER¹*, AIDA ARASTEH, HELEN TSENG², and ANAHID JEWETT² (¹Howard Hughes Medical Institute Pre-College Science Education Program, UCLA School of Dentistry; ²The Weintraub Center for Reconstructive Biotechnology, UCLA School of Dentistry, Los Angeles, CA).

130 Regulatory T Cells in Recurrent Aphthous Stomatitis, YESSICA JUAREZ¹*, AUDREY NAVARRO², and FRANCESCO CHIAPPELLI¹ (¹Howard Hughes Medical Institute Pre-College Science Education Program, Los Angeles, CA; ²UCLA School of Dentistry, Los Angeles, CA).

131 Tumor-Suppressive microRNAs Inhibit Cancer Cell Growth, DARRON KINNEY¹* and KI-HYUK SHIN² (¹Howard Hughes Medical Institute Pre-College Science Education Program, Los Angeles, CA; ²No-Hee Park Laboratory, UCLA School of Dentistry, Los Angeles, CA).

132 Micro-electrode Array Impedance as a Measure of Local Environment and Effects of Micro-stimulation, REBECCA A. PARKER¹*, RICK
The Use of Network Visualization Methods to Represent the Association of Inbreeding with Lung Fibrosis Incidence in Beagle Dogs that Inhaled $^{239}\text{PuO}_2$ Or $^{238}\text{PuO}_2$. DULANEY WILSON*, ANDREA BRIGANTIC, ALAN CHAPPELL and WILLIAM F. MORGAN (†Biological Sciences Division, Pacific Northwest National Laboratory, Richland, WA; ‡National Security Directorate, Pacific Northwest National Laboratory, Seattle, WA).
PHYSICS and MATERIALS SCIENCE

134 Endotoxin Detection using Electrochemical Method and the Effect of Nanoscale Confinement, GAURAV CHATTERJEE*, SRIVATSA AITHAL, LILIAN GONG, SUTAPA BARUA, KAUSHAL REGE and SHALINI PRASAD (Department of Electrical, Computer and Energy Engineering, Arizona State University, Tempe, AZ; Wellesley College, Wellesley, MA; Mechanical, Chemical, Aerospace and Materials Engineering, Arizona State University, Tempe, AZ; Department of Electrical and Computer engineering, Portland State University, Portland, OR).

135 Biogenic Silica Incorporated Bio Sensors for Ultra Sensitive Protein Detection, GAURAV CHATTERJEE*, VINDHYA KUNDURU, SRIVATSA AITHAL, KAI-CHUN LIN, B. L. RAMAKRISHNA and SHALINI PRASAD (Department of Electrical, Computer and Energy Engineering, Arizona State University, Tempe, AZ; Mechanical, Aerospace, Chemical and Materials Engineering, Arizona State University, Tempe, AZ; Department of Electrical and Computer Engineering, Portland State University, Portland, OR).

CHEMISTRY and BIOCHEMISTRY

138 Equilibrium Conformational Dynamics in an RNA Tetraloop from Massively Parallel Molecular Dynamics, ALLISON J. DEPAUL, ERIK J. THOMPSON, SARAV S. PATEL*, KRISTIN HALDEMAN, and ERIC J. SORIN (Department of Chemistry and Biochemistry, Department of Chemical Engineering, and Department of Mathematics and Statistics, California State University Long Beach, Long Beach, CA).

139 Using NMR Techniques in a Model Biphasic System to Find Partition Coefficients, EMILY DRUSSEL*, BRYAN MARTIN, DAVID LUKE, MICHAEL HILL, GERRY CHINGAS and OWEN MCDONALD (Department of Chemistry and Biochemistry, Boise State University, Boise, ID; Boise Technology Inc., Nampa, ID).

CELL and MOLECULAR BIOLOGY

140 Expression and Purification of West Nile Virus prM Candidate Antigen for an Oral Vaccine, REECE KNIPPEL* and KENNETH CORNELL (Department of Chemistry and Biochemistry, Boise State University, Boise, ID).

141 Cx3cl1 Gene Expression in Adipogenic and Osteogenic Induced Bone Marrow Stromal Cells, KEMI OYEWOLE*, BELLIN ENRIQUES*, NINI CHAICHANASAKUL, OLGA BEZOUGLAIA, JEANNE NERVINA, and SOTIRIOS TETRADIS (Howard Hughes Medical Institute Pre-College Science Education Program, UCLA School of Dentistry, Los Angeles, CA; UCLA School of Dentistry, Los Angeles, CA).

142 Cyclic Adenosine Monophosphate and Glucose Regulate Transcription of microRNA-375 via a Protein Kinase A Dependent Pathway, ELIZABETH CLARK*, JAMIE MILLS, JUAN ARAUJO-SARINANA*, and DAVID M. KELLER (Department of Biological Sciences, California State University Chico, Chico, CA).

143 Creating EF1-α Promoter pTRIPz Vectors to Express Cdk2ap1-shRNAmir in Mouse Embryonic Stem Cells, RIGO MARTINEZ*, JAMAL MATTHEWS*, AMIT DEHPANDE, JEFFREY KIM, and DAVID T. WONG (Howard Hughes Medical Institute Pre-College Science Education Program, UCLA School of Dentistry, Los Angeles, CA; Dental Research Institute, UCLA School of Dentistry, Los Angeles, CA).
CONTRIBUTED POSTERS – Tuesday

**A Novel Method for Interrogating Loss of Function in Apoptosis,** CHARLES W. MORGAN¹*, DANIEL C. GRAY¹, and JAMES A. WELLS² (¹Graduate Group in Chemistry and Chemical Biology, ²Departments of Pharmaceutical Chemistry and Cellular and Molecular Pharmacology, University of California San Francisco, San Francisco, CA).

**Delta-Catenin Positively Modulates Gamma-Secretase Function in Alzheimer’s Disease,** LILLIAN F. ZHANG*, MOCHTAR PRIBADI, XIN LIU, and HONG WU (Department of Molecular and Medical Pharmacology, David Geffen School of Medicine, University of California Los Angeles, Los Angeles, CA).

**The Differences of Mineralization and Differentiation between Regular and Induced Dental Pulp Stem Cells,** TAYLOR ROBERSON¹*, MO KANG², JUEUN OH³, and SHEBLI MEHRAZARIN (¹Howard Hughes Medical Institute Pre-College Science Education Program, UCLA School of Dentistry; ²UCLA School of Dentistry, Los Angeles, CA).

**The Effects of Masking on Just Noticeable Differences of Frequency,** COLTON B. CHRISTIAN (Department of Psychology, Southern Oregon University, Ashland, OR).

**Olfactory Priming and Self-Perceived Ratings of Empathy,** COLTON B. CHRISTIAN and JEFFREY D. WHITAKER* (Department of Psychology, Southern Oregon University, Ashland, OR).

**Evaluative Framing and Escalation of Commitment,** SAMUEL WALLIS¹* and CHARLES WALLIS² (¹Rogers Middle School, Long Beach, CA; ²Department of Philosophy, California State University, Long Beach, CA).

**Gender of Missing Persons and the Number of Years That They are Reported Missing in Missing-Persons Reports,** STEPHEN J. MOREWITZ (California State University, East Bay, Department of Nursing and Health Sciences, San Francisco, CA).

**Genetic Diversity Analysis of Traditional Upland Rice Cultivars in Kihan, Malapatan, Sarangani Province, Philippines Using Morphometric Markers,** FLORENCE C. LASALITA-ZAPICO¹*, JAIME A. NAMOCATCAT¹, and JOSEPHINE L. CARIÑO-TURNER² (¹Science Department, College of Natural Sciences and Mathematics, Mindanao State University, Fatima, General Santos City; ²Indigenous Peoples Development Program, Office of the Provincial Governor, Provincial Capitol, Alabel, Sarangani Province).