2012 Student Research Symposium Awards

LIBRARY AWARDS

Cassidy Berg, Physics, Undergraduate, *Possible Worlds and Parallel Universes*, Mentor: Mark Wheeler

Nicholas Ynami, Asian Studies, Undergraduate, *Comparative Study of Soft Power Promotion in US, China and South Korea*, Mentor: Lei Guan


Marta Jankowska, Geography, Doctoral, *Climate Change and Human Health: Contextual and Compositional Effects of Climate, Livelihoods, and Population Change on Child Malnutrition in Mali, Africa*, Mentor: John Weeks

CHARLES WEI-HSUN FU FOUNDATION AWARD FOR PHILOSOPHY


UNDERGRADUATE EXCELLENCE POSTER AWARDS

DaKandryia Peters, Biology, *Using microfluidics chambers (Mother Machines) to observe individual cell physiology*, Mentor: Anca Segall, Co-presenters: John Waynelovich, Krystsina Kezikava

Kathleen Wallach, Biology, *Human cardiac progenitor cells modified with Pim-1 augment myocardial repair*, Mentor: Mark Sussman

Catherine Sumida, Psychology, *Strong and Poor Predictors of Odor Recognition Memory Performance: An Item Analysis of the California Odor Learning Test*. Mentor: Claire Murphy, Co-presenters: Ariana Stickel, Karalani Cross

Daryl Howden, Biology, *Examining the in vivo activities of nucleases involved in DNA repair using Pulsed Field Gel Electrophoresis and mathematical modeling* Mentor: Anca Segall, Co-presenters: Kenny Sokolowski, Sean Young

Diana Cluff, Biology, *Effect of DNA-repair Inhibitors in Cancer Cell Lines*, Mentor: Anca Segall, Co-presenters: Mamon Dey, Sukanya Patra, Leo Su

UNDERGRADUATE EXCELLENCE ORAL AWARDS

Ralf Schuster, Psychology, *The Differences Between Nostrils in Identifying Common Odors* Mentor: Dr. Richard Graf

Erin Fletcher, Microbiology, *Role of a two-component regulatory system in Group B streptococcal colonization and immune activation in the female reproductive tract*, Mentor: Kelly Doran
Genaro Hernandez, Biology, Statins Confer Cardioprotection through Autophagy, Mentor: Roberta Gottlieb

Cassidy Berg, Physics, Possible Worlds and Parallel Universes, Mentor: Mark Wheeler

Abdifatah Ali, Psychology, Examining the Effects of Interpersonal Discrimination on Job Seeking: A Moderated Mediation Model, Mentor: Mark Ehrhart

Tiffany G. Harrison, Political Science, State of Black San Diego, Mentor: Tanis Starck

**DEAN’S AWARDS**

**College of Arts and Letters:**

Tonya Warren, Masters, Addiction and Autonomy: A Qualitative Study of a Buddhist-Based Drug Rehabilitation Program in a Taiwanese Prison, International Research Award Winner, Mentor: Mark Wheeler

Tanisha Martin-Chiles, Undergraduate, The Effects on Low-Income Students when EBT is Not Accepted as a Form of Payment at Universities, Mentor: Kyra Greene

**College of Business:**

Tany Hertz, Masters, Ethics Training, Ethical Dilemmas, and Anxiety, Mentor: Gangaram Singh

John Andrew Galleta, Undergraduate, Responses to Incivility in the Workplace: A Study of Retaliation, Forgiveness, Withdrawal and Reconciliation, Mentor: Lynn Shore

**College of Education:**

Robert Pollack, Masters, Language Education Programs: Knowledge & Perceived Effectiveness Mentor: Cristina Alfaro

Fiona Ho, Masters, Latina Students and Voice in Public Schools, Mentor: Carol Robinson-Zanartu, Co Presenters: Cynthia Arocha, Irene Chung, Miriam Pacheco

**College of Engineering:**

Carissa Williams, Masters, Anaerobic Co-Digestion of Wastewater Sludge and Microalgae Mentor: Temesgen Garoma, Co Presenter: Don Nyugen

Daniel A. Nelson, Masters, Doctoral, Lagrangian Coherent Structures in Turbulent Separated Flow, Mentor: Gustaaf Jacobs

**College of Health and Human Services:**

Jacqueline De Vera, Masters, Chemical Characterization of PM2.5 Air Pollution in Dhaka and Noakhali, Bangladesh, International Research Award Winner, Mentor: Zohir Chowdhury

Billionrosannae Chhouk, Undergraduate, Measuring the Levels of Pyrethroid Pesticides in Stream Sediments of San Diego County Using Triple Quadrupole Mass Spectrometry (LC/MS/MS), Mentor: Richard Gersberg
**College of Professional Studies and Fine Arts:**

Julia Moore, Masters, *Childfree: The Online Construction of an Identity without Children*, Mentor: Patricia Geist-Martin


**College of Sciences:**

Allison Gregg, Masters, *Visualization of coral-associated bacterial respiration using biological oxygen demand optode arrays*, **International Research Award Winner**, Mentor: Forest Rohwer


**Imperial Valley College:**


**PROVOST AWARDS**

Katy Patras, Biology, Doctoral, *Utilization of a novel immunostimulatory peptide for the control of GBS vaginal colonization*, Mentor: Kelly Doran, Co presenter: Courtney Cavaco


Ashley Warren, Biochemistry, Undergraduate, *A New Detection Method in Capillary Electrophoresis Based on Liquid Core Optical Fiber*, Mentor: Khanh Kieu

Nai-Yu Wang, Biology, Masters, *Bacterial Surface Expressed Proteins Srr-1 and PilA Promote Group B Streptococcus Colonization of the Female Reproductive Tract*, Mentor: Kelly Doran

Gabriel Feeley, Chemistry, Undergraduate, *Production of H2 by the Catalytic Degradation of NaBH4 on Ag Nanoparticles*, Mentor: David Pullman, Co presenter: Mallory Hinks

Kali Markle, Speech Language Pathology, Undergraduate, *Use of Verbs of Motion to Mark Movement in Space: A Study of English-Spanish Bilingual Children with Specific Language Impairment*, Mentor: Vera Gutierrez-Clellan

Hanna Gelfand, Speech Language and Hearing, Doctoral, *Developmental changes in the influence of acoustic & non-acoustic contributions to the perception of spoken language*, Mentor: Julia Evans
Kelly Ross, Cell and Molecular Biology, Masters, *The combination of novel antibodies and bromodeoxyuridine to track neurogenesis in planarians*, Mentor: Ricardo Zayas, Co Presenters: Matthew Taylor, Amy Hubert


Jon Sin, Cell and Molecular Biology, Doctoral, *The Impact of Coxsackievirus Infection on Cardiac Stem Cells and Postnatal Heart Development*, Mentor: Roberta Gottlieb


**PRESIDENT'S AWARDS**

Archit Bhutani, Masters, *An Efficient Network Architecture for Mobile Social Networking Devices*, Mentor: Christopher Paolini


Ned Uncanin, Undergraduate, *Characterizing protective aspects of the endoplasmic reticulum stress response in cardiac progenitor cells*, Mentor: Christopher Glembotski

Pearl Quijada, Doctoral, *Preservation of Myocardial Structure is Enhanced by Pim-1 Engineering of Bone Marrow Cells*, Mentor: Mark Sussman

Ellese Carmona, Undergraduate, *The Role of Extracellular Matrix Proteins in Group B Streptococcal Penetration of Host Cell Barriers*, Mentor: Kelly Doran

Steven Quistad, Doctoral, *Induction of apoptosis in coral using human TNF: 500 million years of evolutionary conservation*, Mentor: Forest Rohwer

Brandon Kim, Doctoral, *Response of the blood brain barrier to meningeal pathogens leading to barrier disruption*, Kelly Doran
