

*Eighth Annual  
Academic Showcase*

*April 2007*



**Damien Duvall** BA in Psychology  
*Basic Needs Theory Applied to University Sports*  
Thesis Advisor: Ian Madfes

**Ariel Esqueda** BA in Psychology  
*Differences in Self-Esteem in College Athletes and Non-Athletes*  
Thesis Advisor: Afshin Gharib

**LaShurn Ferrell** BA in Psychology  
*Differences in Self-Efficacy in Children of Single and Dual  
Parent Households*  
Thesis Advisor: Afshin Gharib

**Emily Flood** BA in Psychology  
*The Effects of Parents' Child-Rearing on Sensitivity in Adults*  
Thesis Advisor: Afshin Gharib

**Ashley Forbes** BA in Psychology  
*The Effect of Caucasian and African American Female Models  
on the Self-Esteem and Body-Image of  
Women*  
Thesis Advisor: Afshin Gharib

**Tiffany Franklin** BA in Psychology  
*The Relation of Seasonal Patterns to Mood Changes*  
Thesis Advisor: Matt Davis

**Kristin Freiburger** BA in Liberal Studies and Teaching  
Credential  
*What are Effective Teaching Strategies for Learners with Autism  
Spectrum Disorder in a Reading and Language Arts Classroom?*  
Thesis Advisor: Carolee Freedman

**Lisa Georgetti** BA in Psychology  
*The Characteristics of Success: Appearance and Personality as  
Predictors of Being Hired*  
Thesis Advisor: Afshin Gharib

**Tina Ghirarduzzi** BA in Psychology  
*The Effects of Doctors' Bed Side Manner on Breast Cancer  
Patient Well-Being*  
Thesis Advisor: Afshin Gharib

**Maya Goode** BA in Psychology  
*The Relationship of Racial Identity of Counselor Preference in  
African American Women*  
Thesis Advisor: Afshin Gharib

**Kamara Graham** BS in Biology  
*Role of Glycosylation in the Efficacy of Cyclooxygenase-2  
Inhibitors*  
Thesis Advisor: Diara Spain, Sibdas Ghosh and Mietek  
Kolipinski

**Andrew Guillot-Williams** BA in Psychology  
*Imagery and Athletic Performance*  
Thesis Advisor: Afshin Gharib

**Diana Paula Hallare** BS in Biology  
*Effect of Green Tea Polyphenol on Cadmium Toxicity in  
Caenorhabditis Elegans*  
Thesis Advisor: Christelle Sabbatier

**Rosanna Hanson** BS in Biology  
*Preliminary Data on the Comparative Abundance of Epifaunal  
Crustaceans Inside and Outside Marine No-Take Zones on  
Windward Spur-and-Groove Reefs in Little Cayman*  
Thesis Advisor: Vanio Coelho

**Nicole Harris** BA in Psychology  
*The Reaction to Annoyances by Passive and Aggressive  
Personalities*  
Thesis Advisor: Ian Madfes

**Margaret Anne Harshbarger** MS in Occupational Therapy  
*Occupation, Adaptation and Quality of Life in Individuals with  
Age-Related Macular Degeneration*  
Thesis Advisor: Stacy Frauwirth

**Christopher Heiser** BS in Biology  
*Preliminary Survey of Parasites in Black Bullhead Catfish,  
Ameiurus Melas, in Northern California*  
Thesis Advisor: J. Cunningham, S. Ghosh and M. Kolipinski

**Cynthia Hendriks** BA in Liberal Studies  
*Effective Teaching Strategies in Science for Elementary Students*  
Thesis Advisor: Mary Ann Sinkkonen

**Peter Hoang** BS in Molecular Biology  
*Differentiation of Mouse Embryonic Stem Cells into Neurons  
and Glial Cells in Vitro*  
Thesis Advisor: Mohammed El Majdoubi

**Rebecca Houston** BA in Nursing  
*Hand Hygiene Guidelines for Parents and Visitors of the  
Neonatal Intensive Care Unit*  
Thesis Advisor: Luanne Linnard-Palmer

**Karen Kearns** BA in Psychology  
*Social Support and Single Mothers*  
Thesis Advisor: Ian Madfes

**Megan Kinter** BA in Psychology  
*Sense of Humor and Physical and Emotional Health*  
Thesis Advisor: Afshin Gharib

**Monika Kolipinski** BA in Psychology  
*The Impacts of Divorce on a Child's Self-Esteem*  
Thesis Advisor: Afshin Gharib

**Catarina Landry** BA in Liberal Studies/Teacher Education  
*Effective Strategies for Teaching Mathematics to Elementary  
Students*  
Thesis Advisor: Carolee Freedman

**Rikki Larson** BA in Psychology  
*Spirituality and Its Effect on the Homeless of San Rafael*  
Thesis Advisor: Afshin Gharib

**Christine Cadelina** BS in Nursing  
*Integrative Medicine: A Study of Acute Care Nurses'  
Perceptions, Beliefs, and Attitudes Towards the Use of  
Complementary and Alternative Medicine*  
Thesis Advisor: Christine Bolla and Olivia Catolico

**Gregory Cameron** BS in Biology  
*Marine Ecosystem Education Game*  
Thesis Advisor: Diara Spain, Sibdas Ghosh and Mietek  
Kolipinski

**Jan Marie Cheng** BS in Biology  
*Discovery of Parasites in Three-Spine Stickleback,  
(Gasterosteus Aculeatus), in Golden Gate National  
Recreation Area and Presidio, California*  
Thesis Advisor: James Cunningham, Sibdas Ghosh and Mietek  
Kolipinski

**Daley Cort** BA in Liberal Studies  
*Teaching Strategies for Physical Education and Fitness Testing*  
Thesis Advisor: Carolee Freedman

**Taylor Damon** BA in Psychology  
*Behavioral Differences Between Upper and Lower College  
Classmen*  
Thesis Advisor: Afshin Gharib

**Lori Davis** BA in Psychology and History  
*The Effects of Exercise on Stress in College Students*  
Thesis Advisor: Afshin Gharib

**Marielle Discipulo** BS in Biology  
*Helminth Parasites in the Invasive Gambusia Affinis: Threats to  
Ecosystems in the San Francisco Bay Area*  
Thesis Advisor: James Cunningham and Mietek Kolipinski

**Amanda Drumheller** BA in Psychology  
*Paternal Parenting Style and Its Influence on Substance Use in  
Young Adulthood*  
Thesis Advisor: Matt Davis

**Kimberly Batayola** BA in Psychology and Politics  
*How Family Roles and Responsibilities Influence the  
Vote for a Female President*  
Thesis Advisor: Afshin Gharib

**Orgiltuya Batjargal** BS in Biology  
*Differences in Density of Algal Cells in the Two Growth  
Patterns of Ramalina Menziesii*  
Thesis Advisor: James Cunningham

**Hillary Blackburn** BA in Liberal Studies/Teacher Education  
*Effective Strategies for Teaching Social Studies to  
Elementary Students*  
Thesis Advisor: Carolee Freedman

**Thera Blair** MS in Occupational Therapy  
*Promoting the Occupation of Driving: A Manual of  
Assistive Devices*  
Thesis Advisor: Bonnie Napier

**Courtney Booker** MS in Occupational Therapy  
*Strategies Used by Occupational Therapists to Facilitate  
Inclusion of Students with Disabilities in Typical Education  
Environments*  
Thesis Advisor: Stacy Frauwirth

**Joseph Boudreau** MS in Occupational Therapy  
*Mobility for Occupational Engagement: Promoting the  
Maintenance of Wheelchairs for Residents of Skilled  
Nursing Facilities and Their Caregivers*  
Thesis Advisor: Bonnie Napier

**Sergio Cabañas** BA in Liberal Studies/Teacher Education  
*Effective Teaching Strategies of Physical Education for  
Elementary Students*  
Thesis Advisor: Carolee Freedman

**Katherine Leonard** MS in Counseling Psychology  
*Photo-Therapy: Developing Creativity and Self-Awareness  
Through Photography*  
Thesis Advisor: Mary McDevitt

**Laura Lindholm** MS in Occupational Therapy  
*Including Children with Autism in Family Activities: A  
Qualitative Study*  
Thesis Advisor: Stacy Frauwirth

**Brittany Loe** MS in Occupational Therapy  
*Parenting Infants Discharged from the Neonatal Intensive Care  
Unit (NICU): A Change Project*  
Thesis Advisor: Stacy Frauwirth

**Rachel Louro** MS in Occupational Therapy  
*Reports of Patient Education and Perception of Safe Play for  
Children Receiving Cancer Treatments by  
Health Professionals*  
Thesis Advisor: Bonnie Napier

**Adam Mahoney** BA in Psychology  
*Personality Differences Between Mac and PC Users*  
Thesis Advisor: Matt Davis

**Paula Mancilla** BS in Biology  
*Biodiversity of Native Bees (Hymenoptera) in Selected Central  
California National Parks*  
Thesis Advisor: Mietek Kolipinski

**Paula Mancilla** BS in Biology  
*Partnership in Sudden Oak Death Studies: Dominican  
University of California, University of San Diego, Canadian  
Forest Service, and US National Park Service*  
Thesis Advisor: Sibdas Ghosh and Mietek Kolipinski

**Christopher Mannion** BA in Psychology  
*Levels of Aggression in Athletes vs. Non-Athletes*  
Thesis Advisor: Afshin Gharib

**Dexter Mar-Tang** MS in Occupational Therapy  
*Social Participation in Young Adults with Serious Mental Illness*  
Thesis Advisor: Bonnie Napier

**Ashley McClellan** BS in Biology  
*Understanding Tamoxifen Resistance In Breast Cancer Cells*  
Thesis Advisor: Maggie Louie

**Kaecie McManemy** BS in Psychology  
*Nature Vs. Nurture: Are Adult's Personality Traits and Attitudes  
Similar to Their Siblings or Their Friends*  
Thesis Advisor: Matt Davis

**Mary Meyer** Education Specialist Teaching Credential in  
Special Education  
*Motivation to Learn*  
Thesis Advisor: Billye Brown and Rande Webster

**Samantha Mitchell** BA in Psychology  
*An Investigation of Parental Attachment and Intimacy  
Among Friends*  
Thesis Advisor: Matt Davis

**Christina Morales** BA in Psychology  
*Sports Participation and Gender Role Stereotypes:  
Identity Conflict?*  
Thesis Advisor: Matt Davis

**Yvonne Morten** BA in Psychology  
*Lack of Planning for Body Disposal and Death Anxiety*  
Thesis Advisor: Ian Madfes

**Deborah Myers** Education Specialist Teaching Credential in  
Special Education  
*GE & Special Education Collaborative Teaching in High School*  
Thesis Advisor: Billye Brown and Rande Webster

**Tiffanie Ng** MS in Occupational Therapy  
*Transitioning into a Post-Secondary Setting for High School  
Youth: A Browser-Based Resource Guide*  
Thesis Advisor: Stacy Frauwirth

## Student Poster Presentations

**Michael Adams**  
Education Specialist Teaching Credential in Special Education  
*Learning to Read: The Primary Experience*  
Thesis Advisor: Billye Brown and Rande Webster

**Robert Airoso** BS in Nursing  
*Childhood Obesity: An Investigation of School Nurses'  
Perceptions*  
Thesis Advisor: Luanne Linnard-Palmer

**Monika Alas** BS in Biology  
*Effects of Inhibitors on Cytoskeleton of Bone Cell Line  
MC3T3E1 Under Varying Gravity Conditions*  
Thesis Advisor: Sibdas Ghosh

**Claudia Alvarenga** BA in Psychology  
*The Impact of Parental Divorce on College Students' Romantic  
Relationships: Influences on Trust and Commitment*  
Thesis Advisor: Afshin Gharib

**Robert Angcay** BA in Liberal Studies/Teacher Education  
*Effective Teaching Strategies for Elementary Social Studies*  
Thesis Advisor: Carolee Freedman

**Natalie Bailey** BS in Nursing  
*Efficacy of a Handheld Response Device for Interactive  
Classroom Participation in Undergraduate Nursing Students*  
Thesis Advisor: Kathleen Beebe and Alicia Bright

**Jennifer Barbay** BA in Psychology  
*Color Intensity and Its Effect on Emotions*  
Thesis Advisor: Ian Madfes

**Anna Barnes-Grant** BA in Psychology  
*Female Preference for Taller Males*  
Thesis Advisor: Afshin Gharib

**12:25 pm Rachel Puckett**  
*The Effects of Nickel on Breast Cancer Cell Proliferation*  
Faculty Mentor: Maggie Louie

**12:45 pm Megan Vossler**  
*Understanding Metastasis in Tamoxifen Resistant  
MCF7 Breast Cancer Cells*  
Faculty Mentor: Maggie Louie

**Monday, April 30 – Creekside Room**

**Eric Hinderleider**  
*Differentiation of ESC's into Cardiomyocytes in Vitro*  
Faculty Mentor: Mohammed El Majdoubi

**Joyce Valencia**  
*Differentiation of Mouse Embryonic Stem Cells into Skeletal  
Muscle Cells in Vitro*  
Faculty Mentor: Mohammed El Majdoubi

**Senior Art Exhibit**

April 26 – May 12 San Marco Gallery Alemany Library  
Vicky Menjivar, Julie Nakao, Michael Perekrestov, Michael  
White, Chi Chun Yuan

**Honors Ceremony**

Friday, April 27, 4:30 – 6:30, Conlan Recreation Center

**Academic Scholars Dinner**

Monday, April 30, 6:00 - 8:00, Creekside Room. By invitation  
Presenters: Joyce Valencia and Eric Hinderleider

**Emily Nies** BA in Liberal Studies/Teacher Education  
*Integrating Art Through All Subjects in Elementary Education*  
Thesis Advisor: Carolee Freedman

**Kamee Openshaw** BA in Psychology  
*Influence of Peers on Shopping*  
Thesis Advisor: Matt Davis

**Mark Orcholski** BS in Biology  
*Field House Study of Northern & Central California Equine  
Feces for CDFA Non-Native Weed Seeds*  
Thesis Advisor: Lauren Quinn, S. Ghosh and M. Kolipinski

**Emily Owen** MS in Occupational Therapy  
*Identified Factors of Success in Higher Education Among  
Former Foster Care Youth*  
Thesis Advisor: Stacy Frauwirth

**Tanyn Perkins** BA in Psychology  
*The Effects of Career-Ending Injury on Competitive  
Athlete's Self Esteem*  
Thesis Advisor: Ian Madfes

**Jeannie Pimentel** BA in Psychology  
*The Coming Out Process: Patterns of Lesbian and Gay Sexual  
Orientation Disclosure*  
Thesis Advisor: Ian Madfes

**Natalie Plaza** BS in Biology  
*Linking Genes Involved in Developmental Ethanol Response to  
Adult Behavior*  
Thesis Advisor: Vanio Coelho

**Christine Power** MS in Occupational Therapy  
*Sexual Education for Adolescents with Down Syndrome*  
Thesis Advisor: Bonnie Napier

**Vanessa Preston** MS in Occupational Therapy  
*Occupational Performance of Users: Biochemical Implications  
Related to Three Computer Mouses*  
Thesis Advisor: Bonnie Napier 13

**David Ramirez III** BS in Biology  
*An Educational Module on Managing Exotic Plants in National  
Parks of California*

Thesis Advisor: D. Spain, S. Ghosh and M. Kolipinski

**Robin Reisberg** BA in Psychology  
*Meditation and Its Effects on Happiness and Worry*  
Thesis Advisor: Afshin Gharib

**Yoana Renteria** BA in Liberal Studies/Teacher Education  
*Effective Strategies for Teaching Mathematics to  
Elementary Students*  
Thesis Advisor: Carolee Freedman

**Tracy Revel** Education Specialist Teaching Credential in  
Special Education  
*Efficacy of Multisensory Teaching Practices*  
Thesis Advisor: Billye Brown and Rande Webster

**Cayla Ross** BA in Liberal Studies  
*Effective Teaching Strategies in Mathematics for  
Elementary Students*  
Thesis Advisor: Carolee Freedman

**Kia Sanford** BS in Biology  
*Analysis of the Role of Zinc in Protecting Against Cadmium  
Caenorhabditis Elegans Toxicity in the Model Organism  
Caenorhabditis Elegans*  
Thesis Advisor: Christelle Sabbatier

**Todd Seech** BA in Psychology  
*Religious Attitudes and Obsessive-Compulsive Traits*  
Thesis Advisor: Afshin Gharib

**Jazzmon Sherman** BS in Biology  
*A High Incidence of Diet Related Illnesses due to Improper  
Food Consumption in Underserved Communities*  
Thesis Advisor: Jim Cunningham

Student Oral Presentations

**Monday, April 23 – Creekside Room**

**12:05 pm Monika Alas**  
*Effects of Inhibitors on Cytoskeleton of Bone Cell Line  
MC3T3E1 Under Varying Gravity Conditions*  
Faculty Mentor: Sibdas Ghosh

**12:25 pm Diana Paula Hallare**  
*Green Tea Polyphenol: A Potential Diagnostic Tool  
and Therapy for Cancer*  
Faculty Mentor: Sibdas Ghosh

**12:45 pm Natalie Plaza**  
*Linking Genes Involved in Developmental Ethanol  
Response to Adult Behavior*  
Faculty Mentor: S. Ghosh/V. Coelho

**Tuesday, April 24 – Creekside Room**

**12:05 pm Lisa Georgetti**  
*Characteristics of Success: Appearance and Personality as  
Predictors of Being Hired*  
Faculty Mentor: Afshin Gharib

**12:25 pm Angela Giertych**  
*Differentiation of Mouse Embryonic Stem Cells Into  
Neuroendocrine Cells in Vitro*  
Faculty Mentor: Mohammed El Majdoubi

**12:45 pm Luz Elena Romero**  
*The Discrete Trial Training as a Teaching Approach for Autistic  
Children: Assessment Through a Personal Experience*  
Faculty Mentor: Mohammed El Majdoubi

**Wednesday, April 25 – Creekside Room**

**12:05 pm Arjun Verma**  
*Improving Musical Recall Memory Among Piano Students: the  
Method of Loci Adapted to Simple Melodies*  
Faculty Mentor: Matt Davis 3



**Brian Uribe** BA in Psychology  
*Bilinguals Stress and Anxiety Levels Due to Academic Achievement*  
Thesis Advisor: Afshin Gharib

**Arjun Verma** BA in Psychology  
*Improving Musical Recall Memory Among Piano Students: The Method of Loci Adapted to Simple Melodies*  
Thesis Advisor: Matt Davis

**Megan Vossler** BS in Biology  
*Metastasis of Tamoxifen Resistant MCF7 Breast Cancer Cells*  
Thesis Advisor: Maggie Louie

**Sara Westergard** MS in Occupational Therapy  
*Promoting Sensory Integration in Children Through Home-Based Intervention: A Home Assessment*  
Thesis Advisor: Stacy Frauwirth

**Desaree Williams** BS in Biology  
*Algal Biomass and Photosynthetic Pigment Concentration in Halimeda tuna and Dictyota sp According to Depth in Little Cayman, Cayman Islands*  
Thesis Advisor: Vania Coelho and Sibdas Ghosh

**Christi Willits** BA in Liberal Studies/Teacher Education  
*Effective Strategies for Teaching Social Studies to Elementary Students*  
Thesis Advisor: Carolee Freedman

**Kate Wilson** BA in Psychology  
*Cross-Cultural Differences in Child Temperament: A Comparative Study Between the United States and Ecuador*  
Thesis Advisor: Matt Davis

**Angelo Wong** BS in Biology  
*Effects of Heavy Metals on Breast Cancer Proliferation*  
Thesis Advisor: Maggie Louie

Academic Excellence Presentations

**Wednesday, April 18 - Creekside Room**

**11:45 am Kathy Beebe and Natalie Bailey**  
*Efficacy of a Handheld Response Device for Interactive Classroom Participation in Undergraduate Nursing Students*

**12:15 pm Mohammed El Majdoubi, Joyce Valencia, Angela Giertych, Marvin Luu, and Peter Hoang**  
*Artificially-Induced Differentiation of Mouse Embryonic Stem Cells into Adult Nerve and Muscle Cells as a Teaching Tool in Biology Lab Classes*

**12:45 pm Margaret Fink, Luanne Linnard Palmer, Olivia Catolico, Bill Phillips, Lu Sweeney, Jessica Hammonds, and Maribel Baliwag**  
*The Effect of an Emergency Response Algorithm Using a Simulation Laboratory upon Self-Reported Confidence, Skills Accuracy, and Time Management in Undergraduate Nursing Students*

**Thursday, April 19 – Creekside Room**

**12:15 pm Craig Singleton, June Oh, Pamela Carey, Aaron Wildmon, Yoon Hee Park, Kanako Nanami, Johnell Holbert, and Mikako Toh**  
*Dominican Concerto Showcase*

**12:45 pm Bill Phillips, Afshin Gharib, and Nick Schur**  
*The Effectiveness of Expert Guest Lecturers in the Classroom*



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