Therapeutic Interventions with Emphasis on Patient Education for a Middle-Aged Female with Post Rotator Cuff Repair: A Case Report

Kristin Ashimoto, Jennifer Adame-Walker
Jennifer Roos, Ph.D.

Balance Training for a Patient with Disequilibrium and a History of Injurious Falls: a Case Report

Hayden Baldwin, Toni Tyner
Jennifer Roos, Ph.D.

The Effect of Non-Adherence to Balance and Strength Training in an Elderly Patient Who Experienced Chronic Falls: A Case Report

Steven Bauman, Toni Tyner
Jennifer Roos, Ph.D.

Exploring Conservative Physical Therapy Interventions for a 74 Year-Old Male Following a Shoulder Dislocation: A Case Report.

Pablo Borceguin, Jennifer Adame-Walker
Jennifer Roos, Ph.D.

Physical Therapy Interventions to Increase Lower Body Strength and Mobility in a Patient with a Chronic iSCI: A Case Report

Jessica Chellsen, Jennifer Roos
Jennifer Roos, Ph.D.
Acute Care Physical Therapy for a Patient Experiencing Neurogenic Shock following a Cervical iSCI with Polytrauma Complications: A Case Report

Katelynn Cook
Jennifer Roos, Ph.D.

Psychosocial and Compliance Impacts on Rehabilitation Following MPFL Reconstruction: A Case Report

Karissa DeRousseau, Jennifer Adame-Walker
Jennifer Roos, Ph.D.

Three-Week Non-Operative Progressive Loading Program for the Treatment of Medial Meniscus and MCL Injuries: A Case Report

Kevin Dunn, Jennifer Adame-Walker
Jennifer Roos, Ph.D.

Physical Therapy Interventions for an Elderly Male with Cognitive Impairments and a Proximal Femoral Open Reduction Internal Fixation: A Case Report

Jonathan Fernandez, Jennifer Roos
Jonathan Fernandez, Ph.D.

Conservative Physical Therapy Interventions for Grade V Acromioclavicular Joint Separation in a Twenty-Five-Year-Old Patient: A Case Report

Samantha Fong, Jennifer Adame-Walker
Jennifer Roos, Ph.D.
11
The Effects of Early Physical Therapy Intervention for a Patient with Multiple Intracranial Hemorrhages Caused by Parasitic Infection: A Case Report

Nazanin Ghanadan, Jennifer Roos
Jennifer Roos, Ph.D.

12
Physical Therapy Interventions Following a Bilateral Total Hip Arthroplasty in an Individual with Systemic Lupus Erythematosus: A Case Report

Jennifer Goulart, Jennifer Roos
Jennifer Roos, Ph.D.

13
Physical Therapy Interventions in the Inpatient Rehabilitation Facility s/p Cervical Laminectomy: A Case Report

Katrina Gutierrez, Jennifer Roos
Jennifer Roos, Ph.D.

14
Physical Therapy Rehabilitation For a 50 Year-Old Male Triathlete Post-Op Peroneal Tendon Repair

Gina Horath, Jennifer Adame-Walker
Jennifer Roos, Ph.D.

15
The Effects of Task-Oriented Approach and Music Intervention for a Male Suffering from Hemiparesis and Expressive Aphasia Post Stroke: A Case Report

Veronica Javier
Toni Tyner, Ph.D.
Improving Function and Independence in the Acute Setting for an Individual Status-Post Craniotomy Secondary to Metastases: A Case Report

Bryant Koopmans, Toni Tyner
Jennifer Roos, Ph.D.


Aaron Larson
Jennifer Roos, Ph.D.

The Effects of Aquatic Physical Therapy Interventions for a Patient with West Nile Virus: A Case Report

Christine Lazaro, Toni Tyner
Jennifer Roos, Ph.D.

Effects of Therapeutic Interventions, Utilizing A Post-Surgical Protocol, After A Total Shoulder Arthroplasty For A 59-Year-Old Male: A Case Report

Andrew Le, Jennifer Adame-Walker
Jennifer Adame-Walker, Ph.D.

The Effects of Balance and Gait Training on Modifiable Fall Risk Factors: A Case Report

Mara MacKinnon, Toni Tyner
Jennifer Roos, Ph.D.
The Effect of Core Stabilization in Addressing Low Back Pain in the Treatment of a Patient Post-ACL Reconstruction: A Case Report

Melanie Mah
Jennifer Roos, Ph.D.


Pamela Marchese, Jennifer Roos
Jennifer Roos, Ph.D.

Utilizing the Wells Criteria for DVT and Borg Dyspnea Scale for the Safe Subacute Rehabilitation of an 89 y/o Male s/p bleeding event related to PV: A Case Report

Kurt Munoz
Jennifer Roos, Ph.D.

The Effects of Balance Impairments and Psychosocial Factors on a Post-op Partial Meniscectomy Rehabilitation Program: A Case Report

Melanie Niino, Toni Tyner
Jennifer Roos, Ph.D.

Physical Therapy Interventions for a Patient With Neurogenic Thoracic Outlet Syndrome: A Case Report

Ariel Ritschel, Jennifer Roos
Jennifer Roos, Ph.D.
Physical Therapy Interventions for a Client Following a Revision Total Knee Arthroplasty Resulting From Arthrofibrosis: A Case Report
Danielle Roche
Jennifer Adame-Walker, Ph.D.

The Benefits of Interventions Used with the Intention of Reducing Fear of Falling and Fall Risk in a Chronic Stroke Patient: A Case Report
Jason Schleifer, Toni Tyner
Jennifer Roos, Ph.D.

Reducing Recurrent Fall Risk of an Elderly Male through Functional Balance & Gait Training: A Case Report
Sami Sharaf
Jennifer Roos, Ph.D.

Implications for Physical Therapy Practice for Calcaneal Fracture Rehabilitation of a 71-year-old Patient with Communication Impairments: A Case Report
Robert Vincze, Jennifer Adame-Walker
Jennifer Roos, Ph.D.

Intervention Strategies to Correct Weight Bearing Asymmetries on a Patient Post Hemorrhagic Stroke: A Case Report
Rylan Willis, Toni Tyner
Jennifer Roos, Ph.D.
Management and Treatment of a Patient Post Motor Vehicle Accident with Multiple Diagnoses Including a Closed Head Trauma: A Case Report

Jessica Wong
Jennifer Roos, Ph.D.

Designing a Physical Therapy Intervention Program for a Patient with Acute and Chronic Vestibular Symptoms: A Case Report

Bethany Shirk, Toni Tyner
Jennifer Roos, Ph.D.
Examining the Psychology of Ambiguity Tolerance: A Measure of Time and Social Desirability Response Bias

Jamile Bucio, Luis Suarez
Robert Levine, Ph.D.

Determination of the Effects of Particulate Matter Aerosols on ROS Production in Alveolar Macrophage Cells

Micah Olivas, Joel Castillo, Kosha Raval, Anthony Waterston, Alam Hasson, Laurent Dejean
Laurent Dejean, Ph.D.

Recruiting a Diverse Administrative Support Staff: A Case Study at Central Valley University

Sue Shaw
Susana Hernandez, Ph.D.

Sleep Deprivation and Technology Use Among College Students

Arcellie Santos
Suzanne Kotkin-Jaszi, Ph.D.

Design and Fabrication of a Hybrid Plasma Microdischarge and Graphene Based Water Purification System

Daniel Apuan, Mengdi Zhao, Nick J. Marshall, Emma Van Fossen, Jared Shuman, Arshdeep Bhatti, Sankha Banerjee
Sankha Banerjee, Ph.D.
6

Improving the Evosuite Tool for Eclipse IDE using NSGA-III algorithm
Akanksha Jaiswal
Shih Hsi "Alex" Liu, Ph.D.

7

Exploring Faculty Teaching Practices Through the Lens of Ajzen’s Theory of Planned Behavior
Alejandro Mendez, Evelin Munoz, Mireya Lemus, Ivan Ceballos-Madrigal, Lillian Senn, & Emily Walter
Emily Walter, Ph.D.

8

The Metabolite Profile of HER2-Positive Breast Cancer Cells
Sarah Abuelreich, Malika Sahni, Krish Krishnan, Jason Bush
Jason Bush, Ph.D.

9

Fabrication and Characterization of Lead Free Methyl Ammonium-Iodide Based Perovskite Solar Cells
David Martinez, Randy Martinez
Sankha Banerjee, Ph.D.

10

On Convergence of Recursively Defined Series
Jack Luong, Josh Williamson
Tamas Forgacs, Ph.D.
The Effect of Arousal and Valence on Risk Perception
Barbara Marques
Martin Shapiro, Ph.D.

Effective Treatment of Laboratory Mercury Waste Using Polymer made from Sulfur and Canola Oil
Hart Hedgpeth, Melissa Sanchez, Jennifer Gomez, Hubert Muchalski, Eric Person
Eric Person, Ph.D.

Rehabilitation of Groundwater Wells Decreases Microbial Community Diversity and Composition
Christian Cunningham
Tricia Van Laar, Ph.D.

Benefits of Peer Mentoring
Sonya Peña
Albert Valencia, Ph.D.

Cloud-Assisted Software Infrastructure for Wireless Body Area Networks
Joseph Reeves, Ai Enkoji, Luis Salazar, Hunter Reilly
Ming Li, Ph.D.
Barium Titanate-Based Three-Phase Energy Harvesting Composites
Yerli Cervantes, Emma Van Fossen
Sankha Banerjee, Ph.D.

Development of a Nanodrop Based Succinate dehydrogenase (SDH) assay for C. elegans, a Model for Plant Parasitic Nematodes
Braden Cardoza, Gokhul Venkatesh Babu, Karine Gousset, Alejandro Calderon Urrea
Karine Gousset, Ph.D.

The Chemical Changes of Third Hand Smoke with Ozone and OH radicals
Divine Yang, Erik Rangel, Justin Vang, Tanner Melton, Alam Hasson, Krish Krishnan, Jason Bush
Alam Hasson, Ph.D.

Soft Tissue Thickness Measurements Using Spectral Analysis in an L-shell X-Ray Fluorescence Lead Detection Method in Bone and Soft Tissue Phantoms
Summer Al-Hamdani
Mihai Gherase, Ph.D.

Indigenous Oaxaqueño Farmworkers Body Mapping Pesticide Exposure
Selina Santos
Dvera Saxton, Ph.D.
**Effects of NMDA Receptor Antagonist MK-801 on the Neurotoxicity of BMAA in Drosophila Melanogaster**

**Catherine Mueller, Joy J. Goto**

Joy Goto, Ph.D.

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**Sucralose, a Commonly Used Artificial Sweetener Broadly Affects Enzyme Catalysis by Quantitative Nuclear Magnetic Resonance (qNMR) Approach**

**Justin Vang, Cheenou Her, Jaideep Singh**

Krish Krishnan, Ph.D.

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**Effect of Tn Glycosylation on the Solution State Epitope Conformation of Mucin1**

**Jaideep Singh, Cheenou Her, Cory L. Brooks**

Krish Krishnan, Ph.D.
Poster Session III
University Business Center
Gottschalks Gallery
11:00 A.M. – 12:30 P.M.

1. Effects of Size and Age on Activity in Utricularia Australis Bladder Traps
Maxwell Hall
Ulrike Müller, Ph.D.

2. The Evolution of the "We Can Do It" Poster
Reina Aguirre
Katherine Chilton, Ph.D.

3. Phylogenetic Assessments for California's Highest Risk Mammals
Chris Jorgensen, Joshua Reece
Joshua Reece, Ph.D.

4. Stable Isotope Analysis of d15N in Juvenile Chinook Salmon
Gabriela Vang, Steve Blumenshine
Steve Blumenshine, Ph.D.

5. Similarities of Scoshe Armband Heart Rate Monitors and Polar E600 Chest Strap Monitors
Ryan Alvarez, Nicole Smith
Nicole Smith, Ph.D.
Poster Session III
University Business Center
Gottschalks Gallery
11:00 A.M. – 12:30 P.M.

6

Electrical Aircraft and the Environment
Uyen Sou
Nikos Mourtos, Ph.D.

7

Visual Navigation in the Carpenter Ant Camponotus Essigi
Reo Maynard, Reina Warnert and David Lent
David Lent, Ph.D.

8

An Overview of the Current Seismic Code Requirements for Buildings with Soft Stories
Nicole Mahoney
Maryam Nazari, Ph.D.

9

Examining Biomarkers in Aggressive Tumor Types of Thyroid Cancer
Jazmin Cheatham
Jason Bush, Ph.D.

10

Investigation of Cyber Attitudes
Daniel Kelley
David Schuster, Ph.D.
Examining Factors that Influence Signal Interruption: Configuration of the Heart Zones System for Indoor Physical Education Classes

Calixte Aholu
Nicole Smith, Ph.D.

Seismic Performance of Dome Shaped Structures

Milagros Verduzco, Mickey Chacon
Arezoo Sadrinezhad, Ph.D.

The Effects of Growing Inequality on Attitudes and Prosocial Behavior

Scott Stroud
Martin Shapiro, Ph.D.

Investigation of Metabolic Changes in a Neural Stem Cell Model After Gamma Irradiation

Maria Mendoza, Nicole Leon, Krish Krishnan, Dr. Jason Bush
Jason Bush, Ph.D.

Undocumented Queer Latinx Students: Testimonios of Survival

Maria Fernandez
Maria Elena Cruz, Ph.D.
Poster Session III

University Business Center
Gottschalks Gallery
11:00 A.M. – 12:30 P.M.

16

**Study of the Effect of BCL-2 Overexpression on Oxamate-induced Cytotoxicity in Prolymphocytes**

Lucineh Kasnakjian, Rebecca Alves
Laurent Dejean, Ph.D.

17

**Assessing Variation in Xylem Structure of Large and Small Stems of Helianthus Annuus**

Alex Lopez, Anna Jacobsen, R. Brandon Pratt, John V.H. Constable
John V.H. Constable, Ph.D.

18

**Ethnic Identity, Self-Esteem and Intragroup Conflict Amongst Latinos**

Christian Arevalo
Carlos Garcia, Ph.D.

19

**Relationship Between Coaches’ Expectancies and Athletes’ Mental Toughness in a High School Sport Setting**

Anthony Perez, Wade Gilbert, Jenelle Gilbert, Michael Coles
Wade Gilbert, Ph.D.

20

**Recreating the Modified Proctor for On-The-Field Applications**

Jasdeep Sangha
Arezoo Sadrinezhad, Ph.D.
Modeling Visual Perception, Learning, and Memory of Wood Ants Navigating in Naturalistic Environments

Austin Mendoza, David Lent

David Lent, Ph.D.

Saving the Resistance: The Purépecha People of Northern Mexico

Maranyeli Estrada

Maria Cruz, Ph.D. & Quincy McCrary, Ph.D.

Physical Education in the U.S.: Systematic Observations of Physical Activity, Lesson Length, and Class Size

Nicole Smith

Nicole Smith, Ph.D.

Advancements in Higher Education for Latinos(as)/Chicanos(as)

Karina Chavez

Patrick Cravalho, Ph.D.

Characterization of Organic Chalcone 17 Caenorhabditis elegans Mutant

Tamar Melkonian

Alejandro Calderon-Urrrea, Ph.D.
**26**

*Evaluating the Impact of E-Cigarette Liquid on Lung Epithelial Cells*

**Daniel Ashley**, Shyam Patel, Jason Bush

Jason Bush, Ph.D.

**27**

*Finite Element Analysis of a Guideway for Automated Transit Networks*

**Isaac Gendler**

**28**

*Recycling of Si Based PV Solar Panels*

**Nikesh Pradhan**, Garrett R Bader, Luka M Drincic

Ajith Weerasinghe, Ph.D.

**29**

*DNA Sequencing Can Help Identify the Origin of Western Pond Turtles in Captive Breeding Programs*

**Rachel Morrow**, Christopher R. Jorgensen, Shelby P. Moshier, Joshua Reece

Joshua Reece, Ph.D.
Comparing Suction Feeders: Carnivorous Plants Versus Paedomorphic Salamanders

Fatima Hidalgo, Stinson C.M., Berg O., Müller UK
Ulrike Müller, Ph.D.

Masculinity and Attention to Health-Threat Information

Clarissa Sevillano, Paul Price
Paul Price, Ph.D.

Consumer Willingness to Incorporate Agretti in Their Food Bundle

John Ball
Todd Lone, Ph.D.

Characterization of the American Bushtit (Psaltriparius minimus) Nest Microbiota

Michael Castro, Lee Nelson, John Crosbie, Tricia Van Laar
Tricia Van Laar, Ph.D.

Bilingual Effects on Audiovisual Speech Perception in Noise

Brenna Mandujano
Lorin Lachs, Ph.D.
The Interactions between the Dairy Industry and other Economic Sectors in California: An Example of Agriculture's Contribution to the Whole Economy

Emma Zacharias, Jiaochen Liang
Jiaochen Liang, Ph.D.

Developing a Better Understanding of Bax Structure-Function and Behavior in the Presence of Anti-Cancer Drugs

Jordan Friedlein, Itzel, Jorje, Alyssa
Laurent Dejean, Ph.D.

Child and Family Outcomes Related to Enrollment in Early Intervention

Jasmine Peña, Rhett Billen
Rhett Billen, Ph.D.

Global Expression Profiles of Low-Molecular Weight Thiol Mutants in Pseudomonas Aeruginosa, Staphylococcus Aureus, Synechococcus Elongatus PCC 7942, and Synechocystis PCC 6803

Jason Thomas, Mamta Rawat
Mamta Rawat, Ph.D.

MSW Students Attitudes Towards Incarcerated Individuals

Robert Secula
Kris Clarke, Ph.D.

Physical Activity and Hispanic Children in the Central Valley

David Rojas, Ei Lin Gan
Amber Hammons, Ph.D.
Poster Session IV
University Business Center
Gottschalks Gallery
12:45 P.M. – 2:15 P.M.

12
Investigating the Macroinvertebrate Skeletal Contributions to Devonian Carbonate Records: Contrasting Patterns at Different Spatial and Temporal Scales
Gabriel Valov
Mara Brady, Ph.D.

13
Selection vs Collection – Determining the Capture Success of Bladderwort Traps
Yevgeniy Mordvinov, Maxwell R. Hall, and Ulrike Muller
Ulrike Muller, Ph.D.

14
The Roles and Experiences of Sexual Assault Victim Advocates in Higher Education
Emily Heng
Susana Hernandez, Ph.D.

15
A Comparison of Varied Likert-type Scales on Student Response Characteristics
Alfonso Martinez, Ronald Yockey
Ronald Yockey, Ph.D.

16
Designing Chimeric YdeH Proteins to Produce c-di-GMP in High Quantities
Shrishi Chand
Hwan Youn, Ph.D.

17
Reproductive Effects of Vaccines in Adult Female Swine
Jaycee Shugart, Scott Williamson
Scott Williamson, Ph.D.
Dredge Deposition does not Affect Avian and Beach Macroinvertebrate Biodiversity in Morro Bay, California
Shelby P. Moshier, Lexi J. Walker, Robert Seward, Rachel L. Morrow
Joshua Reece, Ph.D.

Engineering a Fused YdeH dimer with the Help of a Linker to Enhance the Production of c-di-GMP.
Akshay Gala
Hwan Youn, Ph.D.

Twenty By Twenty-Twenty: Where We Are and Where We’re Going
Samantha Mallory
Mara Brady, Ph.D.

Indirect Effects of Climate Change on Vitellogenesis of Rocky Intertidal Porcelain Crab P. cinctipes
Nathan Sayavong, Jonathan H. Stillman, Alex R. Gunderson, Brian Tsukimura
Brian Tsukimura, Ph.D.

Making Sense of Identity: How Predominantly White Fraternities and Sororities Engage in Racial Identity Development
Sophie Karas
Susana Hernandez, Ph.D.
Poster Session IV

University Business Center
Gottschalks Gallery
12:45 P.M. – 2:15 P.M.

Risk Factors and Recruitment Methods that Contribute to the Commercial Sexual Exploitation of Children
Katherine Smith
Debra Harris, Ph.D.

The Role of Disturbance on San Joaquin River Macroinvertebrate Assemblages; Implications for Chinook Salmon Survival and Growth
Emily Ramirez, Steve Blumenshine
Steve Blumenshine, Ph.D.

A Comparative Study of Femoral Heads Between a 1995 and 2015 Genetic Line of Broilers
Zach Orfali, S. A. Orlowski, N. B. Anthony, K. J. Tarrant
Katy Tarrant, Ph.D.

Investigation of the Adipokine Profile in Different Adipose Tissue Depots from Patients with Coronary Artery Disease
Michael Smith
Jason Bush, Ph.D.

Agribusiness Students’ Attitudes towards Service Learning: A Three Stage Adoption Framework
Pei Xu
Analysis of Surface and Ground Water Samples for Pharmaceuticals by LC-MS in the Fresno and Clovis Metropolitan Areas
Jameson Krauthammer, Jaskiran Ghuman, Emily Sauls, Peter Akande
Derek Dormedy, Ph.D.

Shear Strength Testing of Bio-Structured Soils for Improved Stability of Natural Slopes
Ryan Cardoza
Lalita Oka, Ph.D.

Can Metabolite Profiling help Explore what Causes the Small Genome in Bladderwort?
Eshan Bhardwaj, Otto Berg, Ulrike K. Müller, John T. Bushoven
John T. Bushoven, Ph.D.

The Effects of Non-Potable Water on the Gut Microbiota of Herbivores in the African Adventure Exhibit of the Chaffee Zoo
Emmanuel Flores, Tricia Van Laar, Alejandro Calderon-Urrea, Scott Barton
Tricia Van Laar, Ph.D.

Big Data Management in Smart Grids
Ujjwal Aima
Kerry McBee, Ph.D.
The Effectiveness of Vocal Hygiene Education on Decreasing At-Risk Vocal Behaviors in Vocal Performers

Kristi Tekerlek, Fran Pomaville

Fran Pomaville, Ph.D.

Electronic Conductivity of Alkane-thiolated Silver nanoparticles

Der Xiong

Jai Pil Choi, Ph.D.

Altered Mitochondrial Function in Dysfunctional Hybrid Nematodes

Marissa Rawson, Emma Johnson

Laurent Dejean, Ph.D.

Germination Rate and Glyphosate Resistance of Hairy Fleabane (Erigeron bonariensis) Under the 2017-2018 USDA-NIFA-NLGC Research Internship

Diana Camarena Onofre, Katherine Waselkov

Katherine Waselkov, Ph.D.

A Comparative Study of Skeletal Integrity Between a 1995 and 2015 Genetic Line of Broilers

Rodrigo Lopez

Katy Tarrant, Ph.D.
“In vivo” Interactions Between BMAA and SOD1 in Drosophila Melanogaster Neuronal Cells
Marina Flores, Joy Goto
Joy Goto, Ph.D.

Parental Involvement and Second Generation Immigrant Adolescent Academic Success: A Phenomenological Study
Miu Yee Mimi Ho, Andrea Roach
Andrea Roach, Ph.D.

Pressure-Dependent Measurements of Criegee Intermediate and OH Radical in Alkene Ozonolysis
Vinay Kumar, Alam Hasson
Alam Hasson, Ph.D.

“Pretend You’re Riding a Unicorn”: Accommodations for Children with Autism Spectrum Disorder in Medical Settings
Lilliana Toste
Christine Maul, Ph.D.

State-of-Charge Estimation of the Lithium-Ion Battery Using Neural Network Based on an Improved Thevenin Circuit Model
Haoliang Zhang
Woonki Na, Ph.D.
Synthesis Towards Advanced Intermediate for Enantiopure Hydnocarpin D

Alyssa Marie Rivera, Pravien Rajaram
Qiao-Hong Chen, Ph.D.


Stephen Richards, Vinay Kumar, Jackson Wagner, Kin Ng
Kin Ng, Ph.D.

Extended Day Length Affects Vitellogenesis in Porcelain crabs, P. cinctipes

Madelyn Neufeld, Jonathon H. Stillman, Alex R. Gunderson, Brian Tsukimura
Brian Tsukimura, Ph.D.

Small Organic Molecules as Protein Modulators for Alzheimer’s Therapy

Bhvandip Bajwa, Prarthana Kumar, Inderpreet Bal, Byungwook Kim, Jungsu Kim, Santanu Maitra
Santanu Maitra, Ph.D.

Impacts of Atmospheric Oxidation on the Cellular Toxicity of Cigarette Smoke

Tanner Melton, Robyn Verhalen, Arjun Mann, Diving Yang, Katie Patterson, Alam Hasson, Jason Bush
Jason Bush, Ph.D.
Needs Assessment: Evaluating Leadership Development Program and Curriculum Needs at California State University, Fresno

Abigail Carlson, Avery Culbertson
Avery Culbertson, Ph.D.

Computational Study of the Photodegradation Mechanisms of Pyrethroid Insecticides

Boris Rudolfs
Kristina Closser, Ph.D.

Envisioned Futures and Folk Theories of Success Among Rural and Urban Thai Adolescents

Cristina Landeros, Rachel Castellon, Emma Willis, Joseph Rooney, Cassandra Stewart, Jessica McKenzie
Jessica McKenzie, Ph.D.

Determination of the Aβ1-42 Structure in the Presence of 6-Methylamino-L-Alanine

Benjamin Tanielian
Joy Goto, Ph.D.

The Effect of Ocean Acidification on the Growth and Development of Artemia Salina

Titus Patton, Brian Tsukimura
Brian Tsukimura, Ph.D.
Molecular Structure of FxFG Nucleoporin Peptides in Solution using Nuclear Magnetic (NMR) Spectroscopy

Angham Ahmed, Jaideep Singh, Cheenou Her, and V.V. Krishnan
Krish Krishnan, Ph.D.

The Solvent Effect on Amide Bond Resonance in DEET Analogs

Derek Morrelli, Jacob Guerra, Bhvandip Bajwa, Prarthana Kumar, Krish Krishnan, Santanu Maitra
Santanu Maitra, Ph.D.
Poster Session VI

University Business Center
Gottschalks Gallery
4:15 P.M. – 5:45 P.M.

1. Examining Faculty Perceptions on Providing Instructional Services to Deaf and Hard of Hearing Students
   Jacquelyn Rubalcaba
   Susan Tracz, Ph.D.

2. Predictors of Success in Doctoral Programs: Race, Gender, and Educational History
   Ashlan Chavez, M.A, Khushminder Zenda, Jamila Taylor, Bao Her, Ashlee Reid
   Debra Bekerian, Ph.D.

3. Humanization by Germline CDR Grafting of a MUC16 Specific Monoclonal Antibody for the Treatment of Pancreatic Cancer
   Brandy White, Demi Ayala
   Cory Brooks, Ph.D.

4. Characterization of Motor Deficits from Expression of Mutant Alpha-Synuclein in Parkinson’s Disease Model Drosophila Melanogaster
   Abu Taha, Antonio Diaz
   David Lent, Ph.D.

5. Noncanonical Feedback Inhibition Site of DgcZ are Functional
   Yue Zhou
   Hwan Youn, Ph.D.
Yield-Fertilizer Response Curves for Lettuce Grown with Four Different Organic Formulations

Anthony Isaacs Venegas, T. Thao, J. Robles, D. Goorahoo and F. Cassel S.

Dave Goorahoo, Ph.D.

Synthesis of benzo[b]thiophenes Catalyzed by gold(I)-IPr-Cl Complex

Melissa Sanchez, Alison Phasakda, Hubert Muchalski

Hubert Muchalski, Ph.D.

Mixed Methods Investigation of Student Learning Outcomes from Zoo Inquiry Projects in Introductory Chemistry Laboratories

Jordyn Kamitono

Dermot Donnelly, Ph.D.

Exploring the Experiences of Hmong Graduate Students at Fresno State

Shur Lee

Christian Wandeler, Ph.D.

Predictors of Attrition and Success in Doctoral Programs: Ethnicity, Age, Gender, Leave of Absence, and Educational History

Kimberly Legh-Page, Christian Jackson, Matthew St. Martin, Mishael Ozed-Williams, Justin Smith

Debra Bekerian, Ph.D.
11

Educational Videos' Influence on College Students Regarding New California Sex Offender Law
Eric Galeana
Allen Azizian, Ph.D.

12

Investigation of the Role of Translational and Rotational Motions on the Keto and Enol Tautomer Equilibrium of Acetylacetone in a Binary Solvent Mixture
Candice Cortney, Krish Krishnan
Krish Krishnan, Ph.D.

13

Effects of Aluminum Exposure on Learning and Memory in Drosophila Melanogaster
Angelina Stone, David D Lent
David D Lent, Ph.D.

14

Soil Physical Properties Under Long-Term No-till and Cover Crop Management in California's San Joaquin Valley
Aldo Garcia, Anil Shrestha, Jeffrey Mitchell
Anil Shrestha, Ph.D.

15

Protein Expression and Structural Characterization of Potential Anticancer Peptides from Ancient Grains - Lunasin
Jaideep Singh, Cory L. Brooks
Krish Krishnan, Ph.D.
**Characterizing the Expression of Candidate Genes for Herbicide Resistance in the Agricultural Weed Hairy Fleabane (Erigeron bonariensis)**

Priyanka Chaudhari, Diana Camarena, Katherine Waselkov

Katherine Waselkov, Ph.D.

**“It’s Out of Respect to Each Other”: Examining Young People’s Social Media Use in Relationships Through a Psychosocial Framework**

Jasmine De La Torre, Aimee Rickman

Aimee Rickman, Ph.D.

**Amide Bond Modulation: Cyclic Amines and Manipulating Energy Landscapes for Conformational Preferences Using Deet Analogs as a Model System**

Jacob Guerra

Santanu Maitra, Ph.D.

**Predictors of Success: Military Students in Doctoral Programs**

Geni Perryment, Leticia Quezada

Debra Bekerian, Ph.D.

**A Quantitative Analysis of Middle College High Schools on College Readiness for Underrepresented Students**

Robert Pimentel

Christian Wandeler, Ph.D.
Identification of Amino Acid Residues Important for Stabilising the Inactive Form of CRP.

Krishna Sonpal
Hwan Youn, Ph.D.


Tess Hernandez, Carly Robinson, Caleb Iness, V. V. Krishnan, and Kalyani Maitra
Kalyani Maitra, Ph.D.

Media in the Family: Globalization Reshapes Lives and Relationships of Adolescent-Parent Dyads in Northern Thailand

Joseph Rooney, Cassandra Stewart, Rachel Castellon, Cristina Landeros, Emma Willis & Jessica McKenzie
Jessica McKenzie, Ph.D.

Effects of Beta-Methylamino-L-Alanine on the Structural Properties of Copper-Zinc Superoxide Dismutase

Mike Jian, Joy Goto
Joy Goto, Ph.D.

Coexistence of BRAF V600E and TERT Promoter Mutations in Low-grade Serous Carcinoma of Ovary Recurring as Carcinosarcoma in a Lymph Node: Report of a Case

Mahkam Tavallae, David F. Steiner, James L. Zehnder, Ann K. Folkins, Amer K. Karam
Ann Folkins, Ph.D.
An Analysis of Clinician Perspectives, Attitudes and Beliefs: Best Practices of Mental Health Services for African Americans

Tiffany White, Susan Tracz, Alicia Becton-Brown, Francine Oputa and Christina Luna

Susan Tracz, Ph.D.

The Readability of Online Patient Education Materials from Major Obstetrics and Gynecology Societies

Fatimah Fahimuddin, Sanam Sidhu; Anubhav Agrawal

Anubhav Agrawal, Ph.D.
Poster Session VII

University Business Center
Gottschalks Gallery
6:00 P.M. – 7:00 P.M.

1. Assessment of RSV Infection Risk and Prevention Knowledge of Nursing Students
   Prabhjot Badhesha
   Kathleen Rindahl, Ph.D.

2. Prostate Cancer & African American Men
   Spencer Brantle
   Peter Garcia, Ph.D.

3. Locations Where Community Dwelling Older Adults are More Likely to Fall
   Brandalyn Chang
   Kathleen Rindahl, Ph.D.

4. Improving Future Primary Care Provider’s Knowledge on Proper Obesity Education and Treatment Options
   Jordan Cutts
   Cynthia Guerra, Ph.D.

5. Integration of Non-Pharmacological Pain Management in Patients with Chronic Pain
   Lily Darpli
   Cynthia Guerra, Ph.D.
An Exploratory Study of the Safety of Online Direct to Consumer Telehealth Programs for Consumers
Julie de Jesus
Kammi Sayaseng, Ph.D.

Screen Time Anticipatory Guidance in Children Zero to Three Years Old: An Evaluation of Nurse Practitioner Students’ Knowledge Base
Jill Faulkner
Kammi Sayaseng, Ph.D.

Diabetes Type II and the Primary Care Provider
Nimool Garcia
Lynn Jacobs, Ph.D.

Educators Comfort with Epinephrine Administration
Jamie Garrett
Peter Garcia, Ph.D.

Attitudes and Experiences of Medical Providers When Using a Language Interpreter
Carolyn Gress
Kammi Sayaseng, Ph.D.
Reducing Polypharmacy with Safe Medication Management Education for Elderly Patients: Using M.U.S.T. Interactive Program
Christina Harris
Lynn Jakobs, Ph.D.

Breast Cancer Screening Rate in Hmong Women Ages 40 to 74 Years at Mountain Family Healthcare Center, a Retrospective Descriptive Study
Maybo Heu
Kammi Sayaseng, Ph.D.

Female Patient’s Comfort Level of Discussing Sexual Health with Healthcare Provider
Ji Kwon
Peter Garcia, Ph.D.

Overcoming Language Barriers
Sia Lee
Janine Spencer, Ph.D.

Coccidioidomycosis: A Qualitative Descriptive Study on Knowledge Base of the Family Nurse Practitioner (FNP) Students at Fresno State
Tou Lee
Kammi Sayaseng, Ph.D.
Poster Session VII

University Business Center
Gottschalks Gallery
6:00 P.M. – 7:00 P.M.

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**Combatting Physical Inactivity: The Key is in the Palm of your Hand**

Taralyn Liebel
Janine Spencer, Ph.D.

17

**Patient Satisfaction among Mental Health Patients with their Mental Health Care Providers**

Ger Moua
Janine Spencer, Ph.D.

18

**E-Cigarettes and Primary Health: A Teaching Module for NP Students**

Ivan Munoz
Cyndi Guerra, Ph.D.

19

**Admission Rates of Hmong in Hospice**

Shoua Nelson
Lynn Jakobs, Ph.D.

20

**Early Development in Infants with Intrauterine Drug Exposure**

Jennifer Nelson
Kathleen Rindahl, Ph.D.
Mentoring Nurse Practitioners: The Effect on Job Satisfaction and Self-Efficacy, A Correlational Descriptive Study

Jennifer Ruch
Kammi Sayaseng, Ph.D.

Post-Discharge Follow-Up in the Adult Trauma Patient Population: Correlations Between Clinic Attendance and Factors Related to Mechanism and Severity of Injury, Hospital Stay, and Patient Demographics

Talia Shuman
Peter Garcia, Ph.D.

Perception of Barrier to Influenza Vaccine Among Hmong Adult in California

Mai Nhia Thao
Cyndi Guerra, Ph.D.

Food Insecurity: Prevention and Awareness for College Freshmen Students

Jessica Tran
Kathleen Rindahl, Ph.D.

Educating Future Nurses About why Some Parents Refuse to Vaccinate Their Children

Erika Varney
Janine Spencer, Ph.D.
Identifying Correlations of Obesity and Socioeconomic factors to Formulate a NP Practice Algorithm in the Primary Care Setting

Carlye Ward
Peter Garcia, Ph.D.

Gastric Cancer Among the Hmong Population

Sheng Yang
Janine Spencer, Ph.D.

Asthma in the Pediatric Population: A Teaching Module

Erin Grosz
Kammi Sayaseng, Ph.D.

Identifying Barriers to Health Care in Low-Income Families in the Rural Community of Pixley

Maria Celia Cisneros
Kammi Sayaseng, Ph.D.

Ramifications of Nurse Bullying, Incivility, and Workplace Violence

Jenina Chan
Peter Garcia, Ph.D.
Correlation between Driveline Infections and Depressive Symptoms in Adult Patients with V.A.D. in Fresno: A Retrospective Study

Kara Merritt
Lynn Jacobs, Ph.D.

The Public Health Nursing Shortage: An Investigation of Contributing Factors and Strategies for Resolution

Kathleen Kelley
Peter Garcia, Ph.D.

The Education of Future Nurse Practitioners on How to Combat the Childhood Obesity Epidemic

Brittany Perez
Ndidi Griffin-Myers, Ph.D.

Food Label Literacy Amongst Women with Hypertension of East Indian Origin

Satwant Sekhon
Janine Spencer, Ph.D.