

Poster Session I

University Business Center

Gottschalks Gallery

8:00 A.M. – 9:00 A.M.

1

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.

2

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

Hayden Baldwin, Toni Tyner

Jennifer Roos, Ph.D.

3

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.

4

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.

5

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.

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6

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.

7

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

Karissa DeRousseau, Jennifer Adame-Walker

Jennifer Roos, Ph.D.

8

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.

9

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.

10

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.

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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.

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16

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.

17

Effects of Physical Therapy Interventions in the Acute Setting for a 74-Year-Old Male Suffering from COPD and Comorbidities: A Case Report.

Aaron Larson

Jennifer Roos, Ph.D.

18

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.

19

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.

20

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

Mara MacKinnon, Toni Tyner

Jennifer Roos, Ph.D.

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21

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.

22

The Correlation Between Psychosocial Health and Physical Therapy Interventions and Outcomes for a Female Patient with Post-Operative RYGB Surgery Complications: A Case Report.

Pamela Marchese, Jennier Roos

Jennifer Roos, Ph.D.

23

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.

24

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.

25

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

Ariel Ritschel, Jennier Roos

Jennifer Roos, Ph.D.

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26

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.

27

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.

28

Reducing Recurrent Fall Risk of an Elderly Male through Functional Balance & Gait Training: A Case Report

Sami Sharaf

Jennifer Roos, Ph.D.

29

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.

30

Intervention Strategies to Correct Weight Bearing Asymmetries on a Patient Post Hemorrhagic Stroke: A Case Report

Rylan Willis, Toni Tyner

Jennifer Roos, Ph.D.

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31

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.

32

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.

Poster Session II

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9:15 A.M. – 10:45 A.M.

1

Examining the Psychology of Ambiguity Tolerance: A Measure of Time and Social Desirability Response Bias

Jamile Bucio, Luis Suarez

Robert Levine, Ph.D.

2

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.

3

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

Sue Shaw

Susana Hernandez, Ph.D.

4

Sleep Deprivation and Technology Use Among College Students

Arcellie Santos

Suzanne Kotkin-Jaszi, Ph.D.

5

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.

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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-Madriral, 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.

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11

Building Biology Experts: A Longitudinal Analysis of Students' Attitudes and Knowledge in Majors' Biology Courses

Glen Martin, Ivan Ceballos-Madrigal, Emily Walter

Emily Walter, Ph.D.

12

Bacterial Endophytes in Parasitic Cuscuta Campestris and its Helianthus Annuus Host

Adam Avila, Alieja White, Katherine Waselkov, John V. H. Constable, Mamta Rawat

John V.H. Constable, Ph.D.

13

Volatility Modeling of the Foreign Exchange Rates under GARCH: A Comparison Between Frequentist and Bayesian Methods

Jalen Harris, Diana Yeung, Christopher Newmark, Steve Chung

Steve Chung, Ph.D.

14

Optimization of Gold-Catalyzed Cyclization of 2-alkynylthioanisole to 2-phenylbenzo[b]thiophene

Parveen Kaur, Christopher D. Dillon

Hubert Muchalski, Ph.D.

15

Associations Between Leadership Style and Employee Resistance to Change in a Healthcare Setting

Tanisha Garcia

Mohammad Rahman, Ph.D.

Poster Session II

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16

The Effect of Arousal and Valence on Risk Perception

Barbara Marques

Martin Shapiro, Ph.D.

17

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.

18

Rehabilitation of Groundwater Wells Decreases Microbial Community Diversity and Composition

Christian Cunningham

Tricia Van Laar, Ph.D.

19

Benefits of Peer Mentoring

Sonya Peña

Albert Valencia, Ph.D.

20

Cloud-Assisted Software Infrastructure for Wireless Body Area Networks

Joseph Reeves, Ai Enkoji, Luis Salazar, Hunter Reilly

Ming Li, Ph.D.

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21

Barium Titanate-Based Three-Phase Energy Harvesting Composites

Yerli Cervantes, Emma Van Fossen

Sankha Banerjee, Ph.D.

22

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.

23

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.

24

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.

25

Indigenous Oaxaqueño Farmworkers Body Mapping Pesticide Exposure

Selina Santos

Dvera Saxton, Ph.D.

Poster Session II

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9:15 A.M. – 10:45 A.M.

26

Effects of NMDA Receptor Antagonist MK-801 on the Neurotoxicity of BMAA in *Drosophila Melanogaster*

Catherine Mueller, Joy J. Goto

Joy Goto, Ph.D.

27

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.

28

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.

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Gottschalks Gallery

11:00 A.M. – 12:30 P.M.

11

Examining Factors that Influence Signal Interruption: Configuration of the Heart Zones System for Indoor Physical Education Classes

Calixte Aholu

Nicole Smith, Ph.D.

12

Seismic Performance of Dome Shaped Structures

Milagros Verduzco, Mickey Chacon

Arezoo Sadrinezhad, Ph.D.

13

The Effects of Growing Inequality on Attitudes and Prosocial Behavior

Scott Stroud

Martin Shapiro, Ph.D.

14

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.

15

Undocumented Queer Latinx Students: Testimonios of Survival

Maria Fernandez

Maria Elena Cruz, Ph.D.

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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.

Poster Session III

University Business Center

Gottschalks Gallery

11:00 A.M. – 12:30 P.M.

21

Modeling Visual Perception, Learning, and Memory of Wood Ants Navigating in Naturalistic Environments

Austin Mendoza, David Lent

David Lent, Ph.D.

22

Saving the Resistance: The Purépecha People of Northern Mexico

Maranyeli Estrada

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

23

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

Nicole Smith

Nicole Smith, Ph.D.

24

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

Karina Chavez

Patrick Cravalho, Ph.D.

25

Characterization of Organic Chalcone 17 *Caenorhabditis elegans* Mutant

Tamar Melkonian

Alejandro Calderon-Urrea, Ph.D.

Poster Session III

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11:00 A.M. – 12:30 P.M.

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.

Poster Session IV

University Business Center

Gottschalks Gallery

12:45 P.M. – 2:15 P.M.

1

Comparing Suction Feeders: Carnivorous Plants Versus Paedomorphic Salamanders

Fatima Hidalgo, Stinson C.M., Berg O., Müller UK

Ulrike Müller, Ph.D.

2

Masculinity and Attention to Health-Threat Information

Clarissa Sevillano, Paul Price

Paul Price, Ph.D.

3

Consumer Willingness to Incorporate Agretti in Their Food Bundle

John Ball

Todd Lone, Ph.D.

4

Characterization of the American Bushtit (*Psaltriparius minimus*) Nest Microbiota

Michael Castro, Lee Nelson, John Crosbie, Tricia Van Laar

Tricia Van Laar, Ph.D.

5

Bilingual Effects on Audiovisual Speech Perception in Noise

Brenna Mandujano

Lorin Lachs, Ph.D.

Poster Session IV

University Business Center

Gottschalks Gallery

12:45 P.M. – 2:15 P.M.

6

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.

7

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.

8

Child and Family Outcomes Related to Enrollment in Early Intervention

Jasmine Peña, Rhett Billen

Rhett Billen, Ph.D.

9

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.

10

MSW Students Attitudes Towards Incarcerated Individuals

Robert Secula

Kris Clarke, Ph.D.

11

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

Shristi Chand

Hwan Youn, Ph.D.

17

Reproductive Effects of Vaccines in Adult Female Swine

Jaycee Shugart, Scott Williamson

Scott Williamson, Ph.D.

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18

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.

19

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.

20

Twenty By Twenty-Twenty: Where We Are and Where We're Going

Samantha Mallory

Mara Brady, Ph.D.

21

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.

22

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

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23

Risk Factors and Recruitment Methods that Contribute to the Commercial Sexual Exploitation of Children

Katherine Smith

Debra Harris, Ph.D.

24

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.

25

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.

26

Investigation of the Adipokine Profile in Different Adipose Tissue Depots from Patients with Coronary Artery Disease

Michael Smith

Jason Bush, Ph.D.

27

Agribusiness Students' Attitudes towards Service Learning: A Three Stage Adoption Framework

Pei Xu

Poster Session V

University Business Center

Gottschalks Gallery

2:30 P.M. – 4:00 P.M.

1

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.

2

Shear Strength Testing of Bio-Structured Soils for Improved Stability of Natural Slopes

Ryan Cardoza

Lalita Oka, Ph.D.

3

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.

4

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.

5

Big Data Management in Smart Grids

Ujjwal Aima

Kerry McBee, Ph.D.

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6

The Effectiveness of Vocal Hygiene Education on Decreasing At-Risk Vocal Behaviors in Vocal Performers

Kristi Tekerlek, Fran Pomaville

Fran Pomaville, Ph.D.

7

Electronic Conductivity of Alkane-thiolated Silver nanoparticles

Der Xiong

Jai Pil Choi, Ph.D.

8

Altered Mitochondrial Function in Dysfunctional Hybrid Nematodes

Marissa Rawson, Emma Johnson

Laurent Dejean, Ph.D.

9

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

Diana Camarena Onofre, Katherine Waselkov

Katherine Waselkov, Ph.D.

10

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

Rodrigo Lopez

Katy Tarrant, Ph.D.

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2:30 P.M. – 4:00 P.M.

11

“In vivo” Interactions Between BMAA and SOD1 in Drosophila Melanogaster Neuronal Cells

Marina Flores, Joy Goto

Joy Goto, Ph.D.

12

Parental Involvement and Second Generation Immigrant Adolescent Academic Success: A Phenomenological Study

Miu Yee Mimi Ho, Andrea Roach

Andrea Roach, Ph.D.

13

Pressure-Dependent Measurements of Criegee Intermediate and OH Radical in Alkene Ozonolysis

Vinay Kumar, Alam Hasson

Alam Hasson, Ph.D.

14

“Pretend You're Riding a Unicorn”: Accommodations for Children with Autism Spectrum Disorder in Medical Settings

Lilliana Toste

Christine Maul, Ph.D.

15

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.

Poster Session V

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16

Synthesis Towards Advanced Intermediate for Enantiopure Hydnocarpin D

Alyssa Marie Rivera, Pravien Rajaram

Qiao-Hong Chen, Ph.D.

17

Design, Construction, and Evaluation of a Portable Spectrometer for Simultaneous Laser Absorption and Laser Induced Fluorescence Spectroscopy: Application in Chlorophyll Measurement

Stephen Richards, Vinay Kumar, Jackson Wagner, Kin Ng

Kin Ng, Ph.D.

18

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

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

Brian Tsukimura, Ph.D.

19

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.

20

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.

Poster Session V

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2:30 P.M. – 4:00 P.M.

21

Needs Assessment: Evaluating Leadership Development Program and Curriculum Needs at California State University, Fresno

Abigail Carlson, Avery Culbertson

Avery Culbertson, Ph.D.

22

Computational Study of the Photodegradation Mechanisms of Pyrethroid Insecticides

Boris Rudolfs

Kristina Closser, Ph.D.

23

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.

24

Determination of the A β 1-42 Structure in the Presence of β -Methylamino-L-Alanine

Benjamin Tanielian

Joy Goto, Ph.D.

25

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

Titus Patton, Brian Tsukimura

Brian Tsukimura, Ph.D.

Poster Session V

University Business Center

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2:30 P.M. – 4:00 P.M.

26

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.

27

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.

Poster Session VI

University Business Center
Gottschalks Gallery
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6

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.

7

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

Melissa Sanchez, Alison Phasakda, Hubert Muchalski

Hubert Muchalski, Ph.D.

8

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

Jordyn Kamitono

Dermot Donnelly, Ph.D.

9

Exploring the Experiences of Hmong Graduate Students at Fresno State

Shur Lee

Christian Wandeler, Ph.D.

10

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.

Poster Session VI

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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.

Poster Session VI

University Business Center

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16

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.

17

“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.

18

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.

19

Predictors of Success: Military Students in Doctoral Programs

Geni Perryment, Leticia Quezada

Debra Bekerian, Ph.D.

20

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

Robert Pimentel

Christian Wandeler, Ph.D.

Poster Session VI

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4:15 P.M. – 5:45 P.M.

21

Identification of Amino Acid Residues Important for Stabilising the Inactive Form of CRP.

Krishna Sonpal

Hwan Youn, Ph.D.

22

The Propensity of Molecular Aggregation Using Custom Designed Peptides: Synthesis and Characterization Using NMR Spectroscopy.

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

Kalyani Maitra, Ph.D.

23

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.

24

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

Mike Jian, Joy Goto

Joy Goto, Ph.D.

25

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 Tavallaee, David F. Steiner, James L. Zehnder, Ann K. Folkins, Amer K. Karam

Ann Folkins, Ph.D.

Poster Session VI

University Business Center

Gottschalks Gallery

4:15 P.M. – 5:45 P.M.

26

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.

27

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.

Poster Session VII

University Business Center

Gottschalks Gallery

6:00 P.M. – 7:00 P.M.

6

An Exploratory Study of the Safety of Online Direct to Consumer Telehealth Programs for Consumers

Julie de Jesus

Kammi Sayaseng, Ph.D.

7

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.

8

Diabetes Type II and the Primary Care Provider

Nimool Garcia

Lynn Jacobs, Ph.D.

9

Educators Comfort with Epinephrine Administration

Jamie Garrett

Peter Garcia, Ph.D.

10

Attitudes and Experiences of Medical Providers When Using a Language Interpreter

Carolyn Gress

Kammi Sayaseng, Ph.D.

Poster Session VII

University Business Center

Gottschalks Gallery

6:00 P.M. – 7:00 P.M.

11

Reducing Polypharmacy with Safe Medication Management Education for Elderly Patients: Using M.U.S.T. Interactive Program

Christina Harris

Lynn Jakobs, Ph.D.

12

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.

13

Female Patient's Comfort Level of Discussing Sexual Health with Healthcare Provider

Ji Kwon

Peter Garcia, Ph.D.

14

Overcoming Language Barriers

Sia Lee

Janine Spencer, Ph.D.

15

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.

16

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.

Poster Session VII

University Business Center

Gottschalks Gallery

6:00 P.M. – 7:00 P.M.

21

Mentoring Nurse Practitioners: The Effect on Job Satisfaction and Self-Efficacy, A Correlational Descriptive Study

Jennifer Ruch

Kammi Sayaseng, Ph.D.

22

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.

23

Perception of Barrier to Influenza Vaccine Among Hmong Adult in California

Mai Nhia Thao

Cyndi Guerra, Ph.D.

24

Food Insecurity: Prevention and Awareness for College Freshmen Students

Jessica Tran

Kathleen Rindahl, Ph.D.

25

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

Erika Varney

Janine Spencer, Ph.D.

Poster Session VII

University Business Center

Gottschalks Gallery

6:00 P.M. – 7:00 P.M.

26

Identifying Correlations of Obesity and Socioeconomic factors to Formulate a NP Practice Algorithm in the Primary Care Setting

Carlye Ward

Peter Garcia, Ph.D.

27

Gastric Cancer Among the Hmong Population

Sheng Yang

Janine Spencer, Ph.D.

28

Asthma in the Pediatric Population: A Teaching Module

Erin Grosz

Kammi Sayaseng, Ph.D.

29

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

Maria Celia Cisneros

Kammi Sayaseng, Ph.D.

30

Ramifications of Nurse Bullying, Incivility, and Workplace Violence

Jenina Chan

Peter Garcia, Ph.D.

Poster Session VII

University Business Center

Gottschalks Gallery

6:00 P.M. – 7:00 P.M.

31

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.

32

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

Kathleen Kelley

Peter Garcia, Ph.D.

33

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

Brittany Perez

Ndidi Griffin-Myers, Ph.D.

34

Food Label Literacy Amongst Women with Hypertension of East Indian Origin

Satwant Sekhon

Janine Spencer, Ph.D.