



*10th Annual Research Symposium*

# Program

**WEDNESDAY, FEBRUARY 21, 2024**

**HENDERSON CAMPUS**

**ROSEMAN UNIVERSITY**  
OF HEALTH SCIENCES

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**ROSEMAN UNIVERSITY**  
OF HEALTH SCIENCES

# Agenda

- |                       |  |
|-----------------------|--|
| <b>2:00 – 2:45 PM</b> | <b>Registration and Presenter Check-In</b>   |
| <b>2:45 – 3:00 PM</b> | <b>Welcoming Remarks</b><br>P1 Classroom   |
| <b>3:00 – 4:00 PM</b> | <b>Keynote Speaker</b> - Michael Reddy, DMD,<br>“Embracing Precision and Data Science in<br>Dentistry,” P1 Classroom |
| <b>4:00 – 5:30 PM</b> | <b>Poster Session with Appetizers</b>  |
| <b>5:30 – 6:15 PM</b> | <b>Podium Presentations with Dinner</b><br>P1 Classroom  |
| <b>6:15 – 6:30 PM</b> | <b>Awards and Closing Remarks</b><br>P1 Classroom  |

## Keynote Speaker



**Michael Reddy, DMD, DMSc**, serves as dean of the School of Dentistry and associate vice chancellor of Oral Health Affairs at UCSF. An internationally renowned periodontist, Dr. Reddy is a recognized advocate for innovation in dentistry and integrating oral health with overall health care.

He serves on numerous boards in the profession and in the community and is the current editor of the *Journal of Dental Education*. He is actively involved in health care policy and health professional education reform at the national level. Dr. Reddy earned a Bachelor of Science from the University of Hartford, a Doctorate of Dental Medicine from the Harvard School of Dental Medicine, and a Doctorate of Medical Science from Harvard University.

## Podium Speakers

| Time           | Presentation   |
|----------------|--|
| 5:30 – 5:45 PM | <p><b><i>“Evaluating the Impact and Utility of Medicare Assistance Program (MAP) Training among Roseman University of Health Science Graduates”</i></b></p> <p>Presented by Robin Reed, PharmD Candidate 2025<br/>Roseman University, College of Pharmacy</p>    |
| 5:45 – 6:00 PM | <p><b>“Appropriate Child Motor Vehicle Restraint Use Increases with Education”</b></p> <p>Presented by Nicholas Mason<br/>Sunrise Health GME Consortium - Trauma Services</p>  |
| 6:00 – 6:15 PM | <p><b>“Detection and relative quantitation of changes in gene expression of matrix metalloproteases (MMPs) in Doxorubicin-exposed human cells by RT-qPCR”</b></p> <p>Presented by Kent Do, PharmD Candidate 2025<br/>Roseman University, College of Pharmacy</p> |

| Basic Sciences | Poster Number   | Title   | Presenter              |
|----------------|---|---|------------------------|
|                | 1   | Analysis of Adolescent Malnutrition on Oral Health: A Systematic Review   | Amy Blazejewski        |
|                | 2   | Masticatory efficiency improvement after Class III orthognathic surgery: Scoping Review   | Denise Ng              |
|                | 3   | Orthodontic Treatment Modifications in Patients with Turner Syndrome: Optimal Treatment Planning and Timing   | Charles Pitts          |
|                | 4   | Evaluating the Chemotherapeutic Effects of Ondansetron on Triple Negative Breast Cancer Cells   | Kim Ngan Bui           |
|                | 5   | Testing Potential Fast-acting Antidepressants Against Monoamine Transporters  | Zechariah De Silva     |
|                | 6   | Exploring the Effects of G Protein Coupled Receptor Kinase 2 and Beta Arrestin 2 on the Effectiveness of the TAC Regimen-Recovery and Colony Formation  | Anahit Gassabian       |
|                | 7   | Take it slow: Exploring slow-binding behaviors of a pharmacophore against glycogen synthase kinase  | Melanie Arslanian      |
|                | 8   | Reduction of Tumor growth using mathematical cancer models  | Maxwell Geiger         |
|                | 9   | Targeting CYP51 in the treatment of Acanthamoeba keratitis  | Ashkan Hassani         |
|                | 10  | Chemical Markers of Microbiome Ecology in Neurodevelopmental Disease  | Erek Humm              |
|                | 11  | Exploring the Effects of G Protein Coupled Receptor Kinase 2 and Beta Arrestin 2 on the Effectiveness of the TAC Regimen-Characterization of Cell Death | Daniel Ghebreigziabher |
|                | 12  | Evaluation of Novel Therapeutic Agents for the Treatment of Chronic Dry Eyes  | Lilian Huynh           |
| 13             | A Trypanosoma brucei MAP kinase and potential for repurposing kinase inhibitors | Syed Hamza Naqvi  |                        |

| <b>Basic Sciences</b> | <b>Poster Number</b> | <b>Title</b>  | <b>Presenter</b>    |
|-----------------------|----------------------|---|---------------------|
|                       | 14                   | Evidence of Prostate Cancer Progression in Transgender Women After Hormone Replacement Therapy - Scoping Review Protocol                          | Emily Nelson        |
|                       | 15                   | A Systematic Review of Mirror Neurons in Schizophrenic Cases  | Yashesvi Sharma     |
|                       | 16                   | Exploring the Effects of G Protein Coupled Receptor Kinase 2 and Beta Arrestin 2 on the Effectiveness of the TAC Regimen- Migration and Invasion  | Arsen Topchyan      |
|                       | 17                   | Exploring the developmental effects of antidepressants in <i>Caenorhabditis elegans</i>   | Alexandra Van Stone |
|                       | 18                   | Exploring the Influence of Atypical and Typical Antipsychotics Using <i>Caenorhabditis elegans</i> as an Experimental Model                       | Randie Zhou         |
|                       | 19                   | Identifying Mutations of Members of the GRK2- like Family in Skin Cancer- Mutations and Potential Clinical Significance                           | Leandro Laus        |
|                       | 20                   | Detection and Relative Quantitation of Changes in Gene Expression of Matrix Metalloproteases (MMPs) in Doxorubicin-Exposed Human Cells by RT-qPCR | Kent Do             |
|                       | 21                   | Evaluating G Protein Coupled Receptor Kinase 4 Family Mutations in Stomach Cancer- Types and Clinical Significance                                | Chaninat Saengchan  |
|                       | 22                   | Evaluating Beta Arrestin Mutations in Prostate Cancer- Types and Clinical Significance  | Marc Louie Aquino   |
|                       | 23                   | Identifying Mutations of Members of the GRK1-like Family in Pancreatic Cancer- Mutations and Significance   | Gabriel Kalash      |

| <b>Clinical</b> | <b>Poster Number</b> | <b>Title</b>   | <b>Presenter</b> |
|-----------------|----------------------|--|------------------|
|                 | 24                   | Utilizing Antibiotic Chewing Gum as an Agent to Reduce Specific Harmful Bacteria and Increase Oral Health      | Mitchell Bailes  |
|                 | 25                   | Educational intervention for delirium assessment in intensive care units using the Confusion Assessment Method | Nathan Nguyen    |



| Clinical | Poster Number  | Title   | Presenter          |
|----------|--|---|--------------------|
|          | 26   | A Novel Protocol for Triaging Patients before Thrombectomy: A Review of Outcomes at a Comprehensive Stroke Center   | Alana Whittaker    |
|          | 27   | Implementation of best practice when collecting blood cultures in the emergency department (ED)   | Parker Grossman    |
|          | 28   | Improving Chemical VTE Prophylaxis Administration Rates Lowered DVT and PE Rates  | Victor Byers       |
|          | 29   | Ctl+Heal: a scoping review on therapeutic alliance and technology   | Vineet Sadarangani |
|          | 30   | Effectiveness of OMT on Cardiovascular function: a Systematic Review  | Sarah Legrand      |
|          | 31   | Targeting CYP51 in the treatment of Chagas disease  | Cole Davidson      |
|          | 32   | Alvimopan Use for Postoperative Ileus   | Mehri (Eli) Dolati |
|          | 33   | Exploring the Effects of G Protein Coupled Receptor Kinase 2 and Beta-Arrestin 2 on the Effectiveness of the TAC Regimen-Cancer Cell Adhesion and Spreading | Tricia Domingo     |
|          | 34   | Detection and Relative Quantitation of Changes in Gene Expression of HIPPO Proteins in Doxorubicin-Exposed Human Cells by RT-qPCR                           | Lillian Fleisher   |
|          | 35   | New Frontiers in the Treatment of Glioblastoma  | Megan Godfrey      |
|          | 36   | Evaluating hypoglycemic events in patients with diabetes on long-acting insulin in an acute care hospital.  | Ashley Bantad      |
|          | 37   | Evaluation of intravenous to oral route change of metronidazole at an acute care hospital   | Erenz Dizon        |
|          | 38   |   |                    |
| 39       | Optimizing Anticoagulation Therapy: A Comprehensive Exploration of Weight-Based Strategies | Harrison Phan   |                    |



| Clinical | Poster Number   | Title   | Presenter             |
|----------|---|---|-----------------------|
|          | 40  | Detection and Relative Quantitation of mRNA of Tissue Inhibitors of Matrix Metalloproteases (TIMPs) after Exposure to Doxorubicin in In Vitro Cell Cultures           | Haneen Raffo          |
|          | 41  | How Advancement in Biomedical Instruments Has Changed the Quality of Dental Care (in Marginalized) Patient Populations?   | Suchir Sunkara        |
|          | 42  | To evaluate the efficacy of caries removal using Papacarie and Polymer bur to the conventional method: An In-vitro study  | Nandani Tiwari        |
|          | 43  | Parental anxiety associated with children undergoing dental treatment – pulpectomy procedure under local anesthesia   | Swathikrishna G       |
|          | 44  | Assessment and management of acquired mandibular skeletal asymmetry   | Erinn Chang           |
|          | 45  | Did the pandemic change future treatment choices amongst orthodontists?   | Ryanna Robinson       |
|          | 46  | Orthodontic treatment modalities, do the finished smiles differ?  | Dafjola Bejleraj      |
|          | 47  | Orthodontic Mini-implant  | Ambrose Ha            |
|          | 48  | Achondroplasia, Sleep Apnea, and Orthodontic Interventions: A Comprehensive Literature Review   | Hayden Mckay          |
|          | 49  | The Significance of Cone Beam Computed Tomography (CBCT) in Orthodontics: A Comprehensive Evaluation of Accuracy and Integration in Invisalign Treatment Planning and | Christina Kass Iliyya |
|          | 50  | Dentofacial Effects of Radiotherapy on Pediatric Population with Retinoblastoma   | Kristi Truong         |
|          | 51  | Hidden Pathologies: The diagnostic benefits of a CBCT on craniofacial diagnosis   | Derrick Bush          |
|          | 52  | Microsporidiosis: Reviewing clinical presentation and treatment strategies  | Julienne Zhou         |
| 53       | Pharmacognosy and trichomoniasis: A scoping review protocol | Claire Hartwell   |                       |

| <b>Clinical</b> | <b>Poster Number</b> | <b>Title</b>  | <b>Presenter</b>     |
|-----------------|----------------------|---|----------------------|
|                 | 54                   | Piriformis syndrome with a variant presentation   | Roberto Chuapoco Iii |
|                 | 55                   | Management of Pain Following Enterocutaneous Fistula Formation: A Case Report                     | Eunice Chung         |
|                 | 56                   | Euglycemic diabetic ketoacidosis secondary to Sodium Glucose 2 Transport Inhibitor: a case report | Alexis Duevel        |
|                 | 57                   | A comprehensive analysis of biological and therapeutic targets of Osteosarcoma                    | Harshita Sharma      |
|                 | 58                   | A Systematic Review of Adverse Effects Associated with the GLP-1 Class of Diabetic Medications    | Korey Smith          |
|                 | 63                   | The Association between an Augmented Antibiotic Regimen and Post-Prostate-Biopsy Sepsis           | Eric Baghdasaryhan   |

| <b>Public Health</b> | <b>Poster Number</b>   | <b>Title</b>   | <b>Presenter</b>        |
|----------------------|--|--|-------------------------|
|                      | 59   | Mental health first aid training: effects on mental health literacy and wellbeing in pharmacy students                               | Desiree Chong           |
|                      | 60   | Trichomonas vaginalis Infection in Emergency Department Patients   | Owen Christian Schubert |
|                      | 61   | Appropriate Child Motor Vehicle Restraint Use Increases with Education   | Nicholas Mason          |
|                      | 62   | Evaluating the Impact and Utility of Medicare Assistance Program (MAP) Training among Roseman University of Health Science Graduates | Robin Reed              |
|                      | 64   | Referral Patterns of Neonatal Healthcare Professionals for Cleft Lip and Palate Patients   | Alyssa Morrow           |
| 65                   | Interdisciplinary education, models: incorporating oral health education into the nursing curriculum | Edgar Tilley   |                         |

|  | Poster Number | Title   | Presenter              |
|--|---------------|---|------------------------|
|  | 66            | East Meets West: Utilization of a Health Survey Template for Community Outreach | Marife Aczon-Armstrong |
|  | 67            | Philippines Medical Mission: Lived Experience of Undergraduate Nursing Students | Marife Aczon-Armstrong |
|  | 68            | The Power of Collaboration: Philippines Medical Mission Trip 2023               | Marife Aczon-Armstrong |

| SoTL | Poster Number | Title  | Presenter                |
|------|---------------|--|--------------------------|
|      | 69            | Confidence of Touro University Medical Students in Identifying Dermatologic Conditions on Different Fitzpatrick Skin Types | Ramaditya Srinivasmurthy |
|      | 70            | Establishing optimal tools for an anatomy laboratory based on the Six-Point Mastery Learning Model                         | Alice Akunyili           |
|      | 71            | Evaluation of the landscape of US allopathic medical school preclinical grading schemes.                                   | Dimitrios Ioannou        |
|      | 72            | Quantifying community-based pharmacy student operational and clinical rotation (IPPE) activities.                          | Ken Kunke                |
|      | 73            | Expanding Healthcare Professional Student Learning Surrounding Substance Use Disorders                                     | Krystal Riccio           |
|      | 74            | Reducing stigma toward substance use disorders among future healthcare professionals                                       | Krystal Riccio           |
|      | 75            | Evaluation of the Roseman Basics Leveling Course – Comparing Survey Results from February 2022 and 2023                    | Marcelo Garcia Vargas    |





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