



Uniting the Heart & Science of Research

8th Annual Research Symposium

Program

**March 30, 2022
Henderson Campus**

ROSEMAN UNIVERSITY
OF HEALTH SCIENCES

TRANSFORMING EDUCATION | REIMAGINING HEALTHCARE | EMBRACING DISCOVERY | COMMITTED TO COMMUNITY

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Agenda

2:30 – 3:00 PM	Registration and Presenter Check-In
3:00 – 4:00 PM	Poster Session
4:00 – 4:15 PM	Welcoming Remarks P1 Classroom
4:15 – 5:15 PM	Keynote Speaker P1 Classroom Dr. Annette Fleckenstein, M.S., Ph.D. <i>Psychostimulant-induced Alterations in Monoaminergic Transporters: Implications for Neurotoxicity and Neuroprotection</i>
5:15 – 5:30 PM	Break
5:30 – 6:15 PM	Podium Presentations P1 Classroom
6:15 – 6:30 PM	Awards, Raffle, and Closing Remarks P1 Classroom

Keynote Speaker

Dr. Annette Fleckenstein, M.S., Ph.D.

Professor and Associate Dean for Basic Science Integration and for Faculty Development, School of Dentistry; Professor, Interdepartmental Program in Neuroscience
University of Utah

“Psychostimulant-induced Alterations in Monoaminergic Transporters: Implications for Neurotoxicity and Neuroprotection”

Annette Fleckenstein earned her BS and MS in Biomedical and Biological Sciences, respectively, from Western Michigan University. She then earned her PhD from the Department of Pharmacology and Toxicology at Michigan State University. After an Intramural Training Award postdoctoral fellowship at the National Institute on Drug Abuse (NIDA), she transitioned to the University of Utah as a postdoctoral fellow in the Department of Pharmacology and Toxicology. She eventually became a tenured Professor in that Department. In 2014, Dr. Fleckenstein transitioned to the University of Utah School of Dentistry (SOD). She is currently a tenured Professor, the Section Head for Oral Biology/Medicine/Pathology, and the Assistant Dean for Basic Science



Integration at the University of Utah SOD. She is also a Professor in the Interdepartmental Program in Neuroscience at the University of Utah. Dr. Fleckenstein’s research has focused on psychostimulant-induced modifications of monoamine transport, and the implications of these alterations for neurotoxicity and neuroprotection. She has been a NIDA-funded researcher for over 20 years, has served on multiple National Institutes of Health review panels, and has authored numerous publications in peer-reviewed journals. Additionally, she is a co-author of the textbook, “Drugs and Society.” Dr. Fleckenstein was awarded a Kenneth E. Moore Distinguished Alumna Award from the Department of Pharmacology and Toxicology at Michigan State University, and a Distinguished Alumna award from the College of Arts and Sciences (Biological Sciences) at Western Michigan University. She is a Fellow of the American College of Neuropsychopharmacology.

Podium Speakers

Time	Presentation
5:30 – 5:45 PM	<p data-bbox="537 436 1317 516"><i>“Evaluation of Appropriate Use of Fluconazole and Micafungin at a Teaching Hospital”</i></p> <p data-bbox="537 573 1062 653">Presented by Jacob Leonard, PharmD MountainView Hospital</p>
5:45 – 6:00 PM	<p data-bbox="537 663 1349 743"><i>“Exploring Doxorubicin Effects on Mitogen-activated Protein Kinase Activity in Human Cardiomyocytes”</i></p> <p data-bbox="537 800 1276 879">Presented by Kristen Geary, PharmD Candidate 2022 Roseman University, College of Dental Medicine</p>
6:00 – 6:15 PM	<p data-bbox="537 900 1365 980"><i>“Emotional Intelligence Curriculum and the Impact on Dental Students”</i></p> <p data-bbox="537 1037 1135 1117">Presented by Monica Freifeld, DMD Roseman University, AEODO/Orthodontics</p>

Poster Session

Poster Number	Title	Presenter
1	Utilizing a Bioinformatic Approach for Identifying New G Protein Coupled Receptor Kinase 5 Interacting Proteins-What Can We Learn from What is Known?	Nick Callanta <i>Roseman University, College of Pharmacy</i>
2	Evaluation of Remineralization of White Spot Lesions with Quercetin Nanoparticles	Anthony Decker <i>Roseman University, AEODO/Orthodontics</i>
3	Using <i>Caenorhabditis Elegans</i> as an Experimental Model to Test the Importance of G protein Coupled Receptor Kinases in Controlling Reactions and Recovery from Hyperosmotic	Angelica Eagle <i>Roseman University, College of Graduate Studies</i>
4	Exploring Doxorubicin Effects on Mitogen-activated Protein Kinase Activity in Human Cardiomyocytes	Kristen Geary <i>Roseman University, College of Pharmacy</i>
5	Exploring the Role of G Protein Coupled Receptor Kinases in Mediating Serotonin and Fluoxetine Effects Using <i>Caenorhabditis elegans</i> as an Experimental Model	Neda Gohar <i>Roseman University, College of Pharmacy</i>
6	Efforts to increase the ketamine-like activity of the rapid-acting antidepressant RO-25-6981 (MI-4) by increasing AMPA potentiation	Nathan Heger <i>Roseman University, College of Pharmacy</i>
7	Identifying New G Protein Coupled Receptor Kinase 6 Substrates among Proteins Closely Linked to Prognoses of Pancreatic Cancer	Jelena Jovanovic <i>Roseman University, College of Pharmacy</i>
8	Exploring the Effects of G Protein Coupled Receptor Kinase 2 and Beta Arrestin 2 on the Efficacy of the TAC Regimen	Shyla Ann Mariano <i>Roseman University, College of Pharmacy</i>
9	Soft tissues Abnormalities in Trisomy 21	Solanch Morales <i>Roseman University, AEODO/Orthodontics</i>
10	Comfort Level of Cleft Lip and Palate Treatment by Recently Graduated Orthodontists	Michael Nguyen <i>Roseman University, AEODO/Orthodontics</i>
11	Exploring the Role of G Protein Coupled Receptor Kinases in Modulating Behaviors to Fluoxetine Using <i>Caenorhabditis Elegans</i> as an Experimental Model	Eleisha Sabo <i>Roseman University, College of Pharmacy</i>
12	RNA sequencing reveals that CYP3A5 siRNA treatment induces cell cycle blockade and senescence in MDAPCa2b human prostate cancer cells	Jeetesh Sharma <i>Roseman University, College of Medicine</i>
13	Investigating the Relationship between Fluoxetine and G protein Coupled Receptor Kinases Utilizing <i>Caenorhabditis Elegans</i> as an Experimental Model	Antonette Soliven <i>Roseman University, College of Pharmacy</i>

Basic Sciences

Basic Sciences	Poster Number	Title	Presenter
	14	Predicting Substitutes for Doxorubicin within the FAC and TAC Chemotherapeutic Regimens By Looking at Gene Regulation Similarities and Differences	Tyson Stokes <i>Roseman University, College of Pharmacy</i>
	15	Developing a Method for Identifying and Quantifying Type-A Polymers in Cinnamon Extract Supplement Capsules (Research In-Progress)	Danielle Valls <i>Roseman University, College of Graduate Studies</i>
	16	Identifying New G protein Coupled Receptor Kinase 2 Interacting Proteins By Looking at What is Known About Established Interactors- A Bioinformatic Approach	Alyssa Marie Vilorio <i>Roseman University, College of Pharmacy</i>

Clinical	Poster Number	Title	Presenter
	17	Orthodontic treatment modalities, do the finished smiles differ?	Dafjola Bejleraj <i>Roseman University, AEODO/Orthodontics</i>
	18	Comparison of liposomal bupivacaine versus bupivacaine with epinephrine versus the combination in postoperative pain management following spinal surgery	Arianne Dagdag <i>Valley Hospital Medical Center</i>
	19	Literature Review of the Skeletal effects of Rapid Palatal Expanders in Mixed Dentition	Ryan Gaw <i>Roseman University, AEODO/Orthodontics</i>
	20	Frequent ED users: Association between certain features and frequent ED users in regional health emergency department	Mahtab Hamid <i>Roseman University, College of Graduate Studies</i>
	21	Evaluation on appropriateness of fluoroquinolone use in an acute-care hospital	Cynthia Huang <i>MountainView Hospital</i>
	22	Bimekizumab - A Promising Biologic Agent for the Treatment of Moderate-Severe Plaque Psoriasis	Alexander Koo <i>Roseman University, College of Pharmacy</i>
	23	Evaluation of Appropriate Use of Fluconazole and Micafungin at a Teaching Hospital	Jacob Leonard <i>MountainView Hospital</i>
	24	Referral Patterns of Neonatal Healthcare Professionals for Cleft Lip and Palate Patients	Alyssa Morrow <i>Roseman University, AEODO/Orthodontics</i>
	25	Accuracy of orthodontic diagnosis via tele-orthodontic consultation versus in-office consultation	Delaram Mostafavi <i>Roseman University, AEODO/Orthodontics</i>
26	Occurrence of White Spot Lesions Post Orthodontic Treatment	Nischal Natha <i>Roseman University, AEODO/Orthodontics</i>	

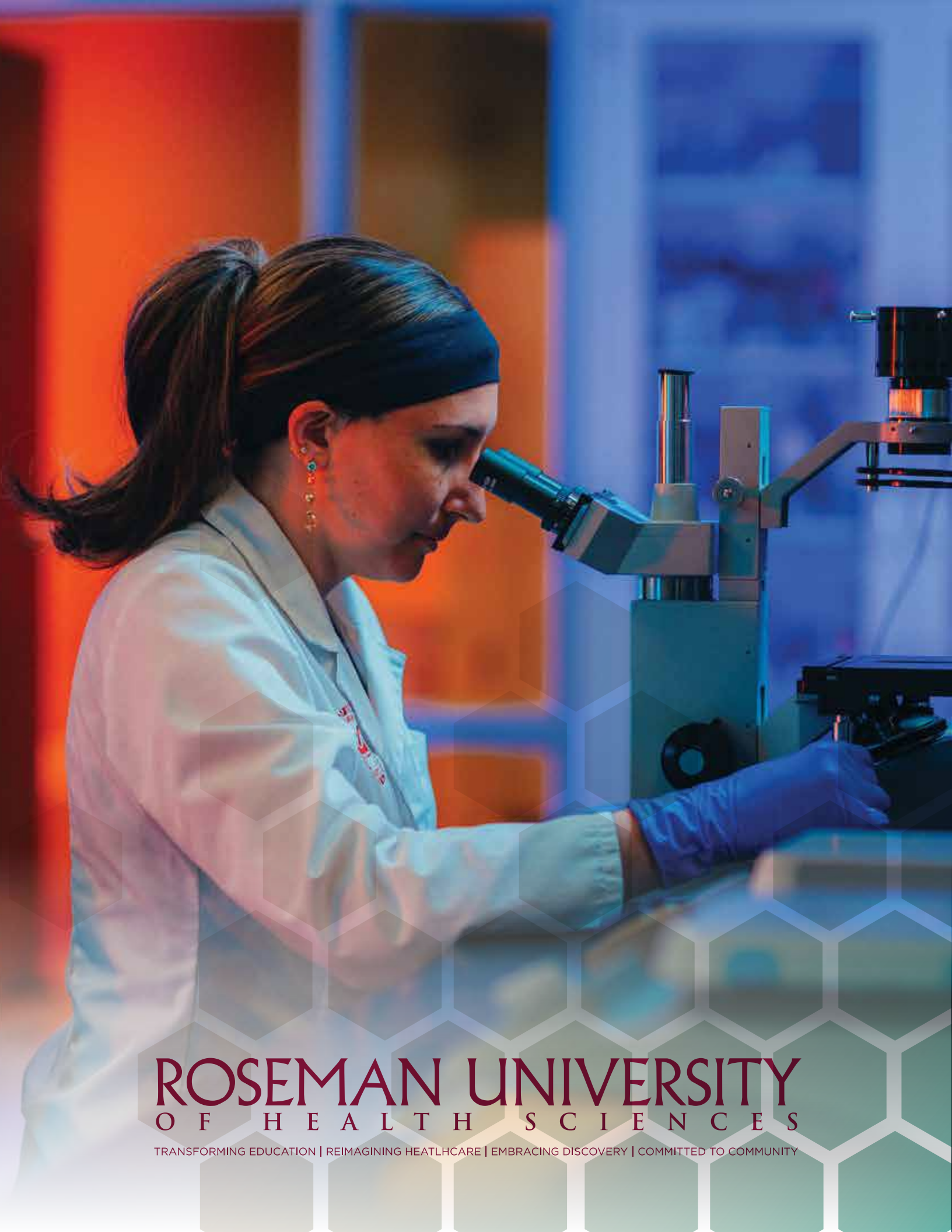
Clinical	Poster Number	Title	Presenter
	27	Testing the Activity of the Fast-Acting Antidepressant MI-4 and Analogs Against Monoamine Transporters	Jacob Newby <i>Roseman University, College of Pharmacy</i>
	28	Maxillary Growth in Cleft Lip and Palate Children Treated With Alveolar Bone/Cleft Grafting: A Scoping Review	Chandani Patel <i>Roseman University, AEODO/Orthodontics</i>
	29	Literature Review of Palatal Expansion in Primary Dentition	Deshek Patel <i>Roseman University, AEODO/Orthodontics</i>
	30	Did the pandemic change future treatment choices amongst orthodontists?	Ryanna Robinson <i>Roseman University, AEODO/Orthodontics</i>
	31	Gingival enlargement in orthodontic patients	Micah Tabanfar <i>Roseman University, AEODO/Orthodontics</i>
	32	Effect of Diabetes Mellitus on Osteoclast Count in Orthodontic Tooth Movement in Rat Models	Joy Tawadrous Tawadrous <i>Roseman University, AEODO/Orthodontics</i>
	33	Outcomes of Vancomycin Minimum Inhibitory Concentrations in Methicillin-Resistant Coagulase-Negative Staphylococcal Bacteremia	Theresa Tran <i>Valley Hospital Medical Center</i>
	34	Evaluation of Visual Treatment Objective (VTO) Accuracy in Nonsurgical Orthodontic Treatment	Michael Trieu <i>Roseman University, AEODO/Orthodontics</i>
	35	Survey of Orthodontists that Screen for Obstructive Sleep Apnea in the United States	Andrew Triggs <i>Roseman University, AEODO/Orthodontics</i>
	36	Evaluation of Appropriate Initiation and De-escalation of Piperacillin-Tazobactam in Hospitalized Patients at an Acute Care Hospital	Ivy Yang <i>MountainView Hospital</i>
	37	Effects of Perceived vs Actual Frequency of Rewards on Orthodontic Patient Attitudes and Compliance	Alan Yee <i>Roseman University, AEODO/Orthodontics</i>
	38	CBCTs' Significance for Orthodontic Treatment Planning	Christina Kass Iiiyya <i>Roseman University, AEODO/Orthodontics</i>
39	Anterior Reposition Appliance with Definitive Orthodontics Utilizing Class III Mechanics: A Case Report	Tyler Greene <i>Roseman University, AEODO/Orthodontics</i>	

Clinical	Poster Number	Title	Presenter
	40	Invisalign in combination with miniscrew-assisted rapid palatal expander for treating maxillary transverse deficiency in an adult patient: a case study	Hye Sung Kim <i>Roseman University, AEODO/Orthodontics</i>
	41	The Effects of Music Therapy on Agitation and Anxiety in Patients with Dementia	Gerianne Ferrer <i>Roseman University, College of Nursing</i>

Public Health	Poster Number	Title	Presenter
	42	Vulnerability During a Pandemic	Marife Aczon-Armstrong <i>Roseman University, College of Nursing</i>
	43	Oral, cardiovascular and respiratory effects of e-cigarettes: Synthesis of Literature	Nareh Eshgian <i>Roseman University, AEODO/Orthodontics</i>
	44	Scale validation of mental health outcomes in college students	Jessica Fickman <i>Roseman University, AEODO/Orthodontics</i>
	45	Identifying Successful Strategies to Market Medication Therapy Management Services	Marc Lococo <i>Roseman University, College of Pharmacy</i>
	46	COVID-19 Variants, Vaccine and Booster	Manas Mandal <i>Roseman University, College of Pharmacy</i>
	47	Scoping Review of Tele-dentistry Implementation During Covid-19	Mindy Nguyen <i>Roseman University, AEODO/Orthodontics</i>
	48	COVID-19 Therapeutics: Current and Emerging therapies	Surajit Dey <i>Roseman University, College of Pharmacy</i>

SoTL	Poster Number	Title	Presenter
	49	Impact of COVID-19 on Vulnerable Population: Role of Social Support	Marife Aczon-Armstrong <i>Roseman University, College of Nursing</i>
	50	Growing Leaders during COVID19 Global Pandemic and Formation of Minority Student Nurses Association: Impact on Minority Leadership Representation in the Nursing	Marife Aczon-Armstrong <i>Roseman University, College of Nursing</i>
51	What It Means to Be a Fulbright Scholar: A Life-Changing Experience	Marife Aczon-Armstrong <i>Roseman University, College of Nursing</i>	

SoTL	Poster Number	Title	Presenter
	52	The Implementation of Telehealth Scenarios and COVID-19 Training to Prepare Nurses for the Future of Healthcare	Kiley Anders <i>Roseman University, College of Nursing</i>
	53	An examination of novel therapeutics in dry eye disease	Jeffrey Bezard <i>Roseman University, College of Pharmacy</i>
	54	The effectiveness of an end-of-the-day oral quiz to improve the attendance and retention of knowledge in a three-year accelerated doctorate program of Pharmacy	Desiree Chong <i>Roseman University, College of Pharmacy</i>
	55	Emotional Intelligence Curriculum and the Impact on Dental Students	Monica Freifeld <i>Roseman University, AEODO/Orthodontics</i>
	56	Student Perception of Using Internet-based Quiz Programs for In-Class Active Learning: Kahoot or Poll Everywhere?	Jules Fuentesbella <i>Roseman University, College of Pharmacy</i>
	57	Application and efficacy of color-coded learning models	Parker Grossman <i>Roseman University, College of Pharmacy</i>
	58	RNPC: Educating Nursing Students for The Future of Healthcare Utilizing Interprofessional Collaboration	Jene' Hurlbut <i>Roseman University, College of Nursing</i>
	59	Education and Experience Using Clear Aligner Therapy and 3D Technology in Graduate Orthodontic Residency Programs	Sonali Rehil <i>Roseman University, AEODO/Orthodontics</i>
	60	Developing a Learning Tool for Roseman Pharmacy Students- The Continual Evolution of Roseman Basics	Nicole Ventrello <i>Roseman University, College of Pharmacy</i>
	61	A Retrospective Analysis of Underrepresented Minority and International Faculty in US Schools/Colleges of Pharmacy	Surajit Dey <i>Roseman University, College of Pharmacy</i>
	62	A Retrospective Analysis of Underrepresented Minority and International Graduate Students Schools/Colleges of Pharmacy	Surajit Dey <i>Roseman University, College of Pharmacy</i>
63	Interprofessional (IPE) activities and interactions - a comparison of didactic curriculum and rotation experiences	Kristheana Rico <i>Roseman University, College of Pharmacy</i>	



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