



## 35<sup>th</sup> Annual Student Research Forum – Award Winners 2021



Student Winner	Presenting School	Poster Title	Department Sponsor
Michal Schäfer	Medicine	Bromocriptine Improves Central Aortic Stiffness in Adolescents with Type 1 Diabetes Mellitus: Arterial Health Results from the BCQR-T1D Study	Barbara Davis Center for Diabetes
Katherine Pemberton	Medicine	The Med/Mid Writing Project: Medical students and middle school students document experiences of the COVID-19 pandemic	Center for Bioethics and Humanities
Alexis Gerk	Medicine	Incidence and Impact of Contrast-enhanced Fluoroscopic Studies to Evaluate Gastrostomy-button Complications in Pediatric Patients	Center for Children's Surgery
Haylie Petrick	Medicine	Comparison of Maternity Care Outcomes Among Rural Colorado Hospitals Using Birth Certificate Data	Center for Women's Health Research
Jacalyn Luchsinger	Nursing	Readmissions and Observation Stays in the U.S. – Systematic Review of Literature	College of Nursing
Nicholas Cleland	Medicine	Novel Methodology For Probing Microglial Metabolism In Situ	Colorado Clinical and Translational Sciences Institute
Anne Strong	Medicine	Risk of Refractive Error after Cataract Surgery in Thyroid Eye Disease.	Colorado Clinical and Translational Sciences Institute
Zachary Horwitz	Medicine	Sacral Level Spina Bifida Plantar Pressure Analysis	Colorado Program for Skeletal Research
Mika Hamer	Public Health	The Effect of Medicare Prevention Benefit Expansion on Cancer Detection and Mortality	Colorado School of Public Health
Austin Jolly	Graduate	HDAC9 and Brg1 are Implicated in Pathological Vascular Remodeling	Department of Cardiology
Kseniya Anishchenko	Medicine	Clinical Characteristics of Late-Onset Spondyloarthritides.	Department of Immunology and Microbiology
Evan Cornish	Medicine	Evaluating middle school students' understanding and emotional outlook on the COVID-19 pandemic.	Department of Medicine



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Joseph Fuchs	Medicine	An Innovative Approach to Teaching Cross-Cultural Communication Among Dental Students	Department of Medicine
Ani Oganessian	Medicine	The Minor Protective Allele at rs1876453 is Associated with Increased Age of Onset of Systemic Lupus Erythematosus	Department of Medicine
Erin Lucas	Graduate	Programmed death ligand 1 reverse signaling in dermal dendritic cells promotes dendritic cell migration required for skin immunity.	Department of Medicine
Erin Hirsch	Graduate	Determinants associated with longitudinal adherence to annual lung cancer screening: a retrospective analysis of claims data	Department of Medicine
Kisha Thayapran	Medicine	Prostacyclin Analog Treprostinil Enhances Neonatal Rat Lung Endothelial Cell Growth And Angiogenesis In Vitro	Department of Medicine - CVP
Hannah Hicks	Graduate	The Role of an Invasive Phenotype in Promoting Resistance to MAPK-Directed Therapies in Thyroid Cancer	Department of Medicine - Division of Endocrinology
Caitlin Ritz	Medicine	CDK8-Mediator complex plays positive transcriptional role in MYC-amplified medulloblastoma	Department of Medicine - Division of Medical Oncology
Stefanie Schwab	Pharmacy	Characterizing Altered Protein Acetylation in Diabetic Nephropathy	Department of Medicine Division of Renal
Rachel Culp-Hill	Graduate	Fatty acid metabolism and desaturation in the pathogenesis of leukemic stem cells in Acute Myeloid Leukemia	Department of Medicine, Division of Hematology
Joshua Garcia	Graduate	Investigating the mechanistic and temporal regulation of inhibitory synapse elimination during cerebral ischemia.	Department of Neurology
Dana Yabroudi	Medicine	Effect Of One Month Exposure To Components Of The Reprometabolic Syndrome On Physical Activity And Body Composition In Lean Women	Department of Obstetrics & Gynecology



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Evelyn Cari	Graduate	REGULATORY INTERACTIONS BETWEEN ANTIMÜLLERIAN HORMONE AND TUMOR NECROSIS FACTOR ALPHA AND THEIR IMPACT UPON OVARIAN AGING	Department of Obstetrics & Gynecology
Richard Tran	Medicine	Ascorbic Acid Attenuates Hydrogen Peroxide Induced Oxidative Stress and Osteoblasts Demonstrate Antioxidant Recycling Potential	Department of Ophthalmology
Lexie Ross	Medicine	Epidemiology of Lower Extremity Injuries in Collegiate Student-Athletes: Insights from the Pac-12 Health Analytics Program.	Department of Orthopedics
Shilpa Tummala	Medicine	Bacterial Meningitis and Pediatric Sensorineural Hearing Loss in the PCV13 Era	Department of Pediatrics
Emily Wang	Medicine	Histone Demethylase KDM4B: A Novel Epigenetic Target in Atypical Teratoid/Rhabdoid Tumor (ATRT)	Department of Pediatrics - Division Hematology/Oncology/Bone Marrow Transplant
Dillon Boulton	Graduate	A Novel Role for MIRO2 in Autophagy.	Department of Pharmacology
Stephanie DeVoe	Graduate	Computational Modeling of T Cell Receptor Interaction Geometry	Department of Physiology and Biophysics
Jin Huang	Medicine	Stress Related Disorders in Family Members of COVID-19 Patients Admitted to the Intensive Care Unit	Department of Psychiatry
Tara Trujillo	Medicine	Learning Types during Interpretation Bias Training to Treat Irritability	Department of Psychiatry-Child division
Corey Walsh	Medicine	Patterns of Healthcare Access and Utilization Among Non-Urban Transgender and Nonbinary Patients at a Large Safety Net Health System in Colorado	Department of Radiation Oncology



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Katherine Drexelius	Medicine	Analysis of radiographic parameters reveals differences in outcomes when comparing patient-specific short rod constructs to conventional rods	Department of Radiology
Zihan Feng	Medicine	Open Chest Duration Following Congenital Cardiac Surgery Increases Risk for Surgical Site Infection	Department of Surgery
Ivana Vasic	Medicine	Galectin-3 as a Potential Biomarker for Liver Regeneration and Transplant Outcomes	Department of Surgery - Transplant Surgery
Karima Hamamsy	Medicine	Development of a Novel Curriculum in Motivational Interviewing for Medical Students in an Elective and Longitudinal Integrated Clerkship.	Marcus Institute for Brain Health
Rita Chandki	Dentistry	Bifid Mandibular Canal in Children- A Literature Review and Report of Four Cases	School of Dental Medicine
Heami Yi	Medicine	Emergency Contraception Access in a Historic Southern City: Mystery Caller Study in Birmingham, Alabama	School of Medicine - Undergraduate Medical Education
Crystal Kim	Pharmacy	Piperacillin/tazobactam versus Cefepime for Empiric Treatment of ampC Beta-lactamase Enterobacteriaceae	Skaggs School of Pharmacy and Pharmaceutical Science
Michael Nash	Graduate	Maternal Western-style Diet Exposure Increases Oxidative Stress in the Absence of Inflammation and Triggers Persistent Collagen Formation in Non-human Primate Fetal Livers.	The Graduate School