2008 RMC Dean's Office Summer Research Fellowships Awarded

Department	Faculty Sponsor	Title of Research Project	Student
Anatomy & Cell Biology	Robert Leven PhD	Analysis of Genetic Mutations in Patients Affected with Tuberous Sclerosis Complex and Renal Cell Carcinoma	Aubrey Rauktys
Anatomy & Cell Biology	Rick Sumner, PhD	Characterization of the trabecular bone phenotype assoc. w-DMP1 overexpression in transgenic mice	James Maletich
Anatomy & Cell Biology	James Kerns, Ph.D.	Treatment of a Partial nerve injury with minoclycline via local catheterization	Jon Gates
Anatomy & Cell Biology	Rick Sumner, PhD	Histomorphometry of regenerating bone in rat implant model	Joseph Broucek
Anatomy & Cell Biology	Amarjit Virdi, PhD	The effects of bolus vs. incremental dosing of low intensity pulsed ultrasound (LIPUS) on stimulation of osteogenic cells	Julia Daher
Anatomy & Cell Biology	Rick Sumner, PhD	The use of microcomputed tomography for cartilage imaging in mice	Neil Kamdar
Anatomy & Cell Biology	Robert Leven PhD	Investigation of the protective effect of dexamethasone & NFkB on auditory hair cells	Shani Reich
Anesthesiology	Asokumar Buvanendran, MD	The safety of driving in patients after minor surgery with monitored anesthesia care	Peter Zavislak
Behavioral Sciences	Julie Hook, PhD	Medical burden, cognition, & emotional function in patients with comorbid disease	Kaylin Klie
Biochemistry	Susan Chubinskaya, Ph.D.	Effects of a combined anti-catabolic & pro-anabolic therapy on cartilage repair in acute trauma model	Kartik Sampath
Biochemistry	Eugene Thonar, PhD	Heparan sulfate 6-O sulfation-role in extracellular matrix degradation	Seshanand Rao

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Cardiology	Steven B Feinstein MD	3D/4D Volumetric Ultrasound Analysis of Atherosclerosis	Anjan Tibrewala
Cardiology	Robert Higgins, MD	Sarcoplasmic reticulum Ca2+ fluxes in heart failure	Jason Satz
Cardiology	Maria Karam-Demori MD	Clinical characteristics & treatment patterns of hispanic women presenting with acute coronary syndrom at CCH	Kristin Jacobs
Cardiology	Philip Liebson, MD	Cardiovascular risk assesment comparing a new & older algorithm	Sejong Han
Child Health Research, Children's Memorial Hospital	Adolfo Ariza, MD	Assessing Physical Activity Survey Questions for Pediatric Patients	Justyna Susfal
Emergency Dept	Yanina Purim-Shev Tov, MD	Sero-Prevalence of HIV in the Rush Emergency Dept.	Mark Livak
Gen. Surgery & Pathology	Xiulong Xu, PhD	miR-21 Expression in Breast Cancer & its Clinicopathologic Parameters	Matthew Zelhart
Health Systems Management	Tricia Johnson, PhD	The impact of socio-demographic, clinical & institutional factors on process & clinical outcomes for congestive heart failure	Nicole Kwon
Hematology/Oncology	Kent Christopherson, II	Novel chronic lymphocytic leukemic therapeutic strategies	Cynthia Kay
Hematology/Oncology	Kent Christopherson, II	The role of CD26 inhibition on transplanted hematopoietic stem cell homing and engraftment to bone marrow	Fulvio Roberto Gil
Internal Medicine	Brian Lucas, MD, MS	Hand-Carried Ultrasound Echocardiography in the hospital	Ross Rozycki
Internal Medicine	Brain Lucas MD, MS	Hand-Carried Ultrasound Echocardiography in the hospital	Suraya Kawadry
Internal Medicine/CCH	Pamela Ganschow, MD	Community service at the Cancer Risk Clinic/CCH Breast & Cervical Cancer	Benjamin Feijoo
Internal Medicine/CCH	Pamela Ganschow, MD	Community service at the Cancer Risk Clinic/CCH Breast & Cervical Cancer screening program	Dhara Patel

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Internal Medicne/CCH	Pamela Ganschow, MD	ABC study: the epidemiology of diagnostic delays in underserved women with suspicious breast abnormalities	Janelle Kho
Medicine, Infect Dis	Stephanie Black, MD	Evaluation of isolation techniques used in treatment of TB in Mumbai, India	Sandra Goyal
Molecular Physiology & Biophysics	Tom Shannon, PhD	Investigation of Gs protein receptor activity in cardiac myocytes & its connection to an increase sarcoplasmic reticulum calcium leak through a phosphorylated ryanodine receptor	Usama Ahmad
Neurological Sciences	Marvin Rossi, MD, PhD	Development of an intercranial lead placement planning system for direct brain stimulation in focal-onset epilepsy	Aaron TenHarmsel
Neurological Sciences	Jennifer Goldman, MD	Cognitive subtypes in Parkinson's Disease & Assoc. Motor & Behav. Features	Holly Weis
Ob-Gyn	Jacob Rotmensch, MD	Development of fluorescent correlation spectroscopy for screening ovarian cancer	Jessica Woessner
Ophthalmology & Neurological Sciences	Shunbin Xu, MD, PhD	Potential regulation of the mlR-183/96/182 cluster by p53	Ankit Maheshwari
Ophthalmology & Neurological Sciences	Shunbin Xu, MD, PhD	Diurnal expression of retina-specific MicroRNAs as a function of the molecular circadian clock	Hilary Purdy
Orthopedic Surgery	Tibor Glant, MD, PhD	Link protein 3 expression & colocalization with cartilage proteoglycan aggregan in murine model.	Aaron Mangold
Orthopedics	Markus Wimmer, PhD	Designing a cartilage-cartilage surface contact system for In Vitro wear testing of living cartilage	Jeffrey Kim
Orthopedics	Markus Wimmer, PhD	Comparison study of chondrocyte articular cartilage harvesting techniques: water-jet cutting device vs. manual punch	Robert Redwood
Pediatrics & Medicine	James B McAuley, MD, MPH	Clinical communicable disease rotations in Mumbai, India	Merrick Donenberg

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Pediatrics & Surgery	Ai-Xuan Holterman, MD	Health-related quality of life & depressive symptoms as predictors of outcome in morbidly obese adolescents undergoing laparoscopic adjustible gastric banding (LAGB)	Lydia Kruge
Pediatrics, Neurology, Biochemistry	Elizabeth Berry Kravis	Effects of stimulants on prepulse inhibition in Fragile X Syndrome	Christina Tran
Plastic & Reconstructive Surgery	John Polley, MD	Monobloc distraction osteogenesis for treatment of craniofacial dystosis: a long-term analysis	Josh Freedman
Preventive Medicine	Dr. Cheryl Rucker-Whitaker	Effect of social support on adherence to lifestyle changes in African Americans w-Type II Diabetes Mellitus & Hypertension	Allison Cavallo
Speech-Language Pathology	Emily Wang, MD	Treating speech disorders in patients with Parkinson's Disease using altered auditory feedback	Donna Sadowski
Women's & Children's Health Nursing	Janet Engstrom, PhD	Dose-response outcome of human milk feedings for extremely low birthweight infants	Monika Kaniszewska