

### CCTSI Previously Funded Projects

Principal Investigator	Affiliation	Project Title
<b>2013 CSU Pilot Faculty Awards - \$25,000</b>		
Manfred Diehl, PhD	Department of Human Development and Family Studies, College of Health and Human Sciences Colorado State University	Changing Adults' Self-Perceptions of Aging: Piloting a New Psycho-Educational Intervention
Seth W. Donahue, PhD	Department of Mechanical Engineering, College of Engineering Colorado State University	Hydrogel delivered PTH for bone defect healing
Takamitsu A. Kato, PhD	Department of Environmental and Radiological Health Sciences, College of Veterinary Medicine and Biomedical Sciences Colorado State University	Evaluation of <sup>64</sup> Cu-ATSM, a novel promising dual targeted imaging and radiotherapy agent in a clinical canine translational model of osteosarcoma
Steven W. Dow, DVM, PhD	Department of Clinical Sciences, College of Veterinary Medicine and Biomedical Sciences Colorado State University	Harnessing Mesenchymal Stem Cell Antimicrobial Activity: Preclinical Evaluation in Dogs with Antibiotic-Resistant Infections

Principal Investigator	Affiliation	Project Title
<b>2014 CSU-CU co-Pilot Collaboration Awards - \$60,000</b>		
Deborah Garrity, PhD	Department of Biology, College of Natural Sciences Colorado State University	Characterization of zebrafish models of filamin C cardiomyopathy
Luisa Mestroni, PhD	School of Medicine, UC Denver	
Jill Litt, PhD	Department of Environmental Health, Colorado School of Public Health, UC Denver	Changing Industries, landscapes, and environments: Implications for the public's Health in Colorado
Jennifer Peel, PhD	Department of Environmental & Radiological Health Sciences, College of Vet Med, Colorado State University	

Principal Investigator	Affiliation	Project Title
<b>2014 CSU-Pilot Faculty Awards - \$25,000</b>		
Bradley T. Conner, PhD \$25,000	Department of Psychology, College of Natural Sciences Colorado State University	Using Near Infrared Spectroscopy to Assess Sensation Seeking and Impulsivity
Debbie C. Crans, PhD \$12,500	Department of Chemistry, College of Natural Sciences Colorado State University	Ultrafast Time-Resolved Spectroscopic Studies of Cu <sup>2+</sup> -amyloidogenic Peptides
Amanda Guth, DVM, PhD \$25,000	Department of Clinical Sciences, College of Veterinary Medicine and Biomedical Sciences Colorado State University	Monocyte Migration Inhibitors To Activate Antitumor Immunity
Mary Jackson, PhD \$25,000	Department of Microbiology, Immunology and Pathology, College of Veterinary Medicine and Biomedical Sciences Colorado State University	Inhibition of the Mycobacterium tuberculosis FAS-II dehydratase by the antituberculosis drugs Isoxyl and Thiacetazone
Lauren Shomaker, PhD \$12,500	Department of Human Development and Family Studies, College of Health and Human Sciences Colorado State University	Evaluation of a Mindfulness Group in Adolescents At-Risk for Obesity

Principal Investigator	Affiliation	Project Title
<b>2015 CSU-CU co-Pilot Collaboration Awards - \$60,000</b>		
Marcela Henao-Tamayo, PhD	Department of Microbiology, Immunology and Pathology, College of Veterinary Medicine, Colorado State University	In vivo role of perilipin-2 and macrophage lipid metabolism in tuberculosis pathogenesis: mechanisms of induction, treatment response and relapse
James McManaman, PhD	School of Medicine, UC Denver	
Rachael Van Pelt, PhD	School of Medicine, UC Denver	Aging and Subcutaneous Adipose Tissue Response to Overfeeding
Kimberly Cox-York, PhD	Department of Food Science and Human Nutrition, College of Health and Human Sciences, Colorado State University	

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<b>2015 CSU-Pilot Faculty Awards - \$25,000</b>		
Brendan Podell, PhD \$25,000 5362603	Department of Microbiology, Immunology and Pathology, College of Veterinary Medicine and Biomedical Sciences Colorado State University	PKC-theta Activation Drives Autoimmunity in Type 1 Diabetes
Amy L. MacNeill, PhD \$25,000 5362604	Department of Microbiology, Immunology and Pathology, College of Veterinary Medicine and Biomedical Sciences Colorado State University	Oncolytic poxvirus therapy for soft tissue sarcoma in dogs - pilot safety study
Nicole A. Kruh-Garcia, DVM, PhD \$25,000 5362602	Department of Microbiology, Immunology and Pathology, College of Veterinary Medicine and Biomedical Sciences Colorado State University	Design and implementation of a mass spectrometry based assay to detect and quantify immune proteins in the guinea pig animal model
Mary Khetani, PhD \$9,860 (remaining \$15,140 budgeted at UCD) 5321507	Department of Occupational Therapy, College of Health and Human Sciences Colorado State University (Affiliate Faculty: Mary moved to U. of Illinois/Chicago as of 8/31/15)	Linking Colorado Part C Early Intervention Service Eligibility, Utilization and Functional Outcomes for Infants and Toddlers with Developmental Disabilities and Delays

<b>Principal Investigator</b>	<b>Affiliation</b>	<b>Project Title</b>
<b>2016 CSU-Pilot Faculty Awards - \$25,000</b>		
Thomas R. Hansen, PhD \$25,000	Department of Biomedical Sciences, College of Veterinary Medicine and Biomedical Sciences, Colorado State University	Effect of Maternal Influenza A Virus Infection on the Fetal Immune System and Placental Gene Expression
Yan Vivian Li, PhD \$25,000	Department of Design and Merchandising, College of Health and Human Sciences, Colorado State University	Smart Wound Dressings for Bacterial Detection and Prevention via Colorimetric Indication
Candace Mathiason, PhD \$25,000	Department of Microbiology, Immunology and Pathology, College of Veterinary Medicine and Biomedical Sciences, Colorado State University	Ultrasensitive surveillance for human prion disease
Kelly Santangelo, PhD \$25,000	Department of Microbiology, Immunology and Pathology, College of Veterinary Medicine and Biomedical Sciences Colorado State University	Evaluation of Toll-like receptor (TLR4) Antagonism to Ameliorate Secondary Osteoarthritis in a Rodent Knee Injury Model

