

University of Northern Colorado

Extramural Proposal Submission Report

Fiscal Year 2016 – July 1, 2015 – June 30, 2016

The Office of Sponsored Programs reports that during the first quarter of Fiscal Year 2016, UNC faculty and staff members submitted 71 proposals to external agencies requesting a total of \$17,059,738.

College of Education & Behavioral Sciences – 18 proposals - \$7,783,161

Betty Cardona, Applied Psychology and Counselor Education

"Exploring the relationship between stigma and mental and physical health outcomes in cancer patients"

National Institutes of Health

New proposal, basic research project, 2 years - \$96,528

Nancy Carlin, Psychological Sciences

"Evaluating Community Participatory Approaches in Home and Community-Based Services"

National Institute on Aging

Resubmission, applied research project, 3 years - \$409,329

Co-PI: Joyce Weil, NHS Human Sciences

Elysia Clemens, Applied Psychology and Counselor Education

"Apprentice"

Colorado Office of Economic Development and International Trade

New proposal, applied research project, 1 year - \$61,312

Silvia Correa-Torres, Special Education

"Preparing Special Education Leaders Who Have the Knowledge and Skills to Meet the Needs of Students Who Are Culturally, Linguistically, and Economically Diverse"

U.S. Department of Education

New proposal, instruction project, 5 years - \$1,249,983

Rashida Banerjee, Special Education

"Preparing Early Intervention Specialists [Project PEIS]"

U.S. Department of Education

New proposal, instruction project, 5 years - \$1,186,056

Paula Conroy, Special Education

"Preparing Culturally Responsive Teachers of Children with Visual Impairments and Orientation and Mobility Specialists"

U.S. Department of Education

New proposal, instruction project, 5 years - \$1,221,469

Kay Ferrell, Special Education

"An Intervention for Infants and Toddlers with Visual Impairment: Independence through the Mealtime Routines Model"

U.S. Department of Education

New proposal (resubmission), applied research project, 3.5 years - \$1,291,048

CoPI: Jamie Erskine, NHS Human Sciences

David Hulac, School Psychology

"Ensuring and evaluating fidelity of implementation for the Federal Probation and Pretrial Services Cheyenne River Project"

U.S. District Court of South Dakota

New proposal, applied research project, 1 year - \$62,080

Molly Jameson, Psychological Sciences

"Using the Endless Numbers™ app to improve low-income pre-kindergarten children's math achievement"

NEA Foundation

New proposal, basic research project, <1 year - \$5,000

Leilani Johnson, DOIT Center

"University of Northern Colorado Mid-America Regional Interpreter Education Center"

U.S. Department of Education

New proposal, instruction project, 1 year - \$300,000

John Luckner, Special Education

"National Leadership Consortium in Sensory Disabilities 2015"

Salus University (direct) – U.S. Department of Education (prime)

New proposal, scholarship project, 1 year - \$72,000

Madeline Milian, Teacher Education

"Teaching Excellence and Achievement (TEA) Program for Pakistan 2015"

IREX

New proposal, scholarship project, 1 year - \$205,091

Christy Moroye, Teacher Education

"Collaborative Research: CO-STEM Noyce Scholarship Program"

National Science Foundation

New proposal, scholarship project, 3 years - \$312,525

CoPI: Robert Reinsvold, HNS Biological Sciences

Linda Pfeiffer, Dean's Office

"Reaching Rural Colorado - Teaching with Primary Sources"

Library of Congress

New proposal, instruction project, 1 year - \$176,585

Michael Phillips, Psychological Sciences

"Assessing the Impacts of the Flipped Classroom Environment on Student Learning and Motivation in Chemistry"

National Science Foundation

New proposal, applied research project, 3 years - \$99,906

Eric Peterson, Psychological Sciences

"Child Maltreatment as a Risk for Future Violence in College Students"

Avielle Foundation

New proposal, basic research project, 1 year - \$10,000

Harvey Rude, Special Education

"Improving Teacher Quality: Rural Teacher Recruitment Project"

Colorado Department of Higher Education – US Department of Education funding

New proposal, instruction project, 1 year - \$210,000

Stephen Wright, Applied Psychology and Counselor Education

"Exploring the Relationships Between Career Development Factors and College Students' Academic Persistence and Success"

U.S. Department of Education

New proposal, applied research project, 3 years - \$814,249

Humanities and Social Sciences – 10 proposals – \$913,148

Karen Barton, Geography

“Creating GIS Sound Maps of Rocky Mountain National Park Using Citizen Science”

US Department of the Interior, National Park Service (CESU)

New proposal, basic research project, <1 year – \$9,884

Emily Brownell, History

“The Rise of the Refugee Camp: Ecologies, Infrastructures, and Expertise in East Africa, c. 1960-90”

National Science Foundation

New proposal, basic research project, 2 years – \$128,386

Robert Brunswig, Anthropology

“BLM-CO-North Park Ute Trail Cultural Landscapes Study Project”

U.S. Department of the Interior, Bureau of Land Management

New proposal, applied research project, 5 years – \$75,000

Co-PI: James Doerner, HSS Geography

“North Park Cultural Landscape Study 2015/16”

U.S. Department of the Interior, Bureau of Land Management

New proposal, basic research project, 1 year – \$15,000

Co-PI: James Doerner, HSS Geography

Kenneth Chan, English

“Collaboration with the Colorado Office of Film, Television & Media”

Colorado Office of Film and Television

New proposal, instruction project, 1 year – \$5,500

Andrew Creekmore, Anthropology

“University of Northern Colorado Anthropology Department Collections Preservation Assessment”

National Endowment for the Humanities

New proposal, public service project, <1 year – \$6,000

Mary Evans, Criminal Justice

“Adams County, CO: Mapping of Community Assets to Support Justice Involved Individuals with Mental Illness and/or Substance Use Disorders”

Adams County

New proposal, basic research project, 3 years – \$256,652

Sarah Goodrum, Criminal Justice

“Collaborative Research: The Role of Spatial Cognition, Building Display Format, and Demographics Among Emergency Responders during Extreme Events”

National Science Foundation

New proposal, basic research project, 3 years – \$191,540

Britney McIlvaine, Anthropology

“REU Site: Collaborative Research: Immersive Research in the Bioarchaeology of Greek Colonization, Sicily, Italy”

National Science Foundation

New proposal, applied research project, 3 years – \$135,804

John Ryan, Hispanic Studies

“A Cross-linguistic Study of the Emergence of Verbs and Argument Structure in Children”

National Science Foundation

New proposal, basic research project, 2 years – \$89,382

Natural and Health Sciences – 38 proposals - \$8,057,862

Rick Adams, Biological Sciences

"Bats Climate Change"

National Science Foundation

New proposal, basic research project, 2 years - \$118,040

Wendy Adams, Science Education

"PhysTEC: Solving the Physics Teacher Shortage"

American Physical Society (direct) National Science Foundation (prime)

New proposal, applied research project, 5 years - \$92,266

"Mines-UNC STEM Teacher Preparation Program: Exploring purposeful teacher candidate placement that benefits both the teacher candidate and the host teacher"

100Kin10

New proposal, development research project, 1 year - \$1,004

Steven Anderson, Earth and Atmospheric Sciences

"Collaborative Research: Use of LiDAR and Co-Registered Sensors to Evaluate Lava Flow and Lava Lake Emplacement Processes"

National Science Foundation

New proposal, basic research project, 3 years - \$268,941

"High-Resolution topography of Terrestrial and Martian Lava Flows: Constraints on Flow Emplacement Rates and Styles"

Planetary Science Institute – NASA funding

New proposal, basic project, 3 years - \$90,797

Spencer Bagley, Mathematical Sciences

"Establishing and Validating Best Practices for the Flipped Classroom"

Spencer Foundation

New proposal, applied research project, >1 year - \$49,986

Lauryn Benedict, Biological Sciences

"CSBR: Natural History: Securing and Digitizing the University of Northern Colorado Zoology Museum Collections"

National Science Foundation

New proposal, applied research project, 3 years - \$173,126

Lacy Cleveland, MAST

"Northern Colorado STEM Collaboration: Incorporating Authentic Research in STEM Classrooms"

Colorado Department of Higher Education

New proposal, instruction project, 1 year - \$204,127

Sue Ellen DeChenne, Biological Sciences

"Development of Science Process Skills during Course-Based undergraduate Research Experiences in Biology"

National Science Foundation

New proposal, applied research project, 5 years - \$693,057

"Collaborative Research: Infusing Authentic Research into the Introductory Biology Curriculum - A Multi-Institutional Study"

National Science Foundation

New proposal, applied research project, 3 years - \$255,150

Mary Dinger, Human Sciences

"My Baby My Move: A multi-level physical activity intervention"

University of Colorado Denver – National Institute of Child Health & Human Development funding

New proposal, development research project, 5 years - \$75,280

Anton Dzhamay, Mathematical Sciences

"Collaboration in Discrete Painleve Equations"

Simons Foundation

New proposal, basic research project, 5 years - \$35,000

Emmett Evanoff, Earth & Atmospheric Sciences

"Collaborative Research: The Influence of Distributive Fluvial System Development on Terrestrial Paleocology"

National Science Foundation

New proposal, basic research project, 3 years - \$101,673

Scott Franklin, Biological Sciences

"Dynamics of a Nativite Milkvetch Population"

U.S. Department of the Interior, Bureau of Land Management

New proposal, applied research project, 1 years - \$13,200

Diana Gray, Sport & Exercise Science

"Ticketing Protocol at Mega-Events: Developing a 2018 World Cup Ticketing Strategy for the Olympic Games in Rio de Janeiro"

North American Society of Sport Management

New proposal, basic research project, 1 year - \$4,969

Reid Hayward, Sport and Exercise Science

"Effectiveness of a Supervised Exercise Training Intervention to Improve Physical Fitness and Metabolic Syndrome in Israeli Breast Cancer Survivors"

Binational Science Foundation

New proposal, applied research project, 4 years - \$64,666

Melissa Henry, Nursing

"Nurse Faculty Loan Program (2016/17)"

US Department of Health and Human Services, HRSA

New proposal, scholarship project, 1 year - \$210,000

Emily Holt, Biological Sciences

"Mapping and modeling attributes of an arctic-boreal biome shift: Resource management implications within the ABoVE domain"

University of Maine (NASA funding)

New proposal, basic research project, 2 years - \$17,700

David Hydock, Sport & Exercise Science

"Creatine Supplementation in Managing of Doxorubicin-Induced Muscle Fatigue"

American Cancer Society

New proposal, basic research project, 2 years - \$141,524

"Exercise and Creatine in Managing Chemotherapy-Induced Skeletal Muscle Dysfunction"

National Institutes of Health

New proposal, basic research project, 2 years - \$323,151

Richard Hyslop, Chemistry and Biochemistry

"Synthesis, characterization, and enzyme-catalyzed O-demethylation of dimethoxyCBD and methoxyTHC"

PharmaCyte

New proposal, basic research project, 1½ years - \$111,804

Co-PI: Corina Brown, NHS Chemistry and Biochemistry

Steve Mackessy, Biological Sciences

"Collaborative Research: Systematics, introgression and adaptation in Western Rattlesnakes - a model system for studying gene flow, selection, and speciation"

National Science Foundation

New proposal, basic research project, 3 years - \$191,941

Steve Mackessy, continued

"City of Loveland - Technical Assistance with Snake Management Activities at Foothills Solar and Substation Site - Tier II: Continued Site surveys, Spotter Crew Presence on Site and Education Outreach"
City of Loveland

New proposal, applied research project, <1 year - \$94,047

Mitchell McGlaughlin, Biological Sciences

"Digitization TCN: Collaborative Research: Using Herbarium Data to Document Plant Niches In the High Peaks and High Plains of the Southern Rockies - Past, Present, and Future"

University of Colorado Boulder – NSF funding

New proposal, basic research project, 3 years - \$68,024

Katherine Morrison, Mathematical Sciences

"Emergent dynamics from network connectivity: a minimal model"

Pennsylvania State University – NIH funding

New proposal, applied research project, 3 years - \$149,337

Nadje Nahar, Biological Sciences

"Geographic Patterns of Song Complexity in the Rock Wren"

Animal Behavior

New proposal, basic research project, 2 years - \$1,000

Co-PI: Lauryn Benedict, NHS Biological Sciences

Gerald Overmyer, MAST

"Using 1:1 Computing to Improve Instruction for Rural Colorado Mathematics Teachers"

Colorado Department of Higher Education – US Department of Education funding

New proposal, instruction project, 1 year - \$209,979

Lori Reinsvold, MAST

"University of Northern Colorado Teacher Preparation for Concurrent Enrollment Instruction"

Colorado Department of Higher Education – US Department of Education funding

New proposal, instruction project, 1 year - \$208,586

Matthew Semak, Physics and Astronomy

"Undergraduate Research and Education in Space Science (2010 NASA Space Grant Year 7)"

University of Colorado Boulder (NASA funding)

Continuation proposal, development research project, year 7 of 7 - \$25,000

Julie Sexton, MAST

"Collaborative Research: Longitudinal Impact of Out-of-school Science Research Experiences on Teenage Learner Attitudes, Knowledge, and Academic Career Choices"

National Science Foundation

New proposal, basic research project, 5 years - \$1,435,488

"Collaborative Research: Beyond research skills: Professional development preparing geoscience undergraduate students to be successful in research, academics, and professional careers"

National Science Foundation

New proposal, basic research project, 5 years - \$737,626

Marcia Shafer, RSVP

"Weld County Stand Down Day 2016"

US Department of Labor

New proposal, public service project, <1 year - \$7,000

"Weld County RSVP (2016/17)"

Corporation for National and Community Service

New proposal, public service project, 1 year - \$66,059

Hortensia Soto-Johnson, Mathematical Sciences
"Complex Analysis Redesign: Modules and Applications"
National Science Foundation
New proposal, basic research project, 3 years - \$1,356,408

Megan Babkes Stellino, Sport & Exercise Science
"School-based physical activity and cognitive functioning"
Concordia University, Wisconsin – NIH funding
New proposal, basic research project, 2 years - \$27,513

"Learning through play: The impact of a peer-leadership program on cognitive control in low-income elementary school students"
Association for Applied Sport Psychology
New proposal, applied research project, 1 year - \$4,970

Laura Stewart, Sport & Exercise Science
"Kefir and the Reduction of Doxorubicin Induced Side Effects"
National Institutes of Health
New proposal, basic research project, 2 years - \$329,423

Mark Thomas, Biological Sciences
"Dopamine Receptor Modulation of Specified Synapses on Mouse Medial Prefrontal Layer 5 Neurons"
Brain and Behavior Research Foundation
Resubmission proposal, basic research project, 2 years - \$100,000

Performing and Visual Arts – 2 proposals - \$58,030

Justin Krawitz
"Democracy 25-Phase 1"
Campus Compact of the Mountain West
New proposal, public service project, <1 year - \$1,500

Dana Landry, Music
"University of Northern Colorado Performing and Educational Outreach Tour of China."
U.S. Department of State, Public Affairs Section
New proposal, public service project, 1 year - \$56,530

University Libraries – 2 proposals - \$5,361

Annie Epperson
"Native Voices: Native Peoples' Concepts of Health and Illness"
National Library of Medicine and American Library Association
New proposal, public service project, 4 years - \$250

Gregory Heald
"State Grants for Libraries"
Colorado Department of Education
New proposal, academic support project, <1 year - \$5,111

Office of the President – 1 proposal - \$242,176

Kristin Klopfenstein, Education Innovation Institute
"An Evaluation of Blended Learning Efficacy in Elementary Math and Science"
U.S. Department of Education
New proposal, applied research project, 2 years - \$242,176
