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
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 Climateb 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

**Laurn 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 Dzhamy, 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 Paleocoeology”
National Science Foundation
New proposal, basic research project, 3 years - $101,673

Scott Franklin, Biological Sciences
“Dynamics of a Naturita Milkvetch Population”
U.S. Department of the Interior, Bureau of Land Management
New proposal, applied research project, 1 year - $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 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-demthylation 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 geneflow, 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 McLaughlin**, 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
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<tr>
<th>Name</th>
<th>Department</th>
<th>Project Title</th>
<th>Funding Agency</th>
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<th>Duration</th>
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<tbody>
<tr>
<td>Hortensia Soto-Johnson</td>
<td>Mathematical Sciences</td>
<td>“Complex Analysis Redesign: Modules and Applications”</td>
<td>National Science Foundation</td>
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<td>Megan Babkes Stellino</td>
<td>Sport &amp; Exercise Science</td>
<td>“School-based physical activity and cognitive functioning”</td>
<td>Concordia University, Wisconsin – NIH funding</td>
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<td>“Learning through play: The impact of a peer-leadership program on cognitive control in low-income elementary school students”</td>
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<td>New proposal, applied research project, 1 year</td>
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<td>Laura Stewart</td>
<td>Sport &amp; Exercise Science</td>
<td>“Kefir and the Reduction of Doxorubicin Induced Side Effects”</td>
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<td>Mark Thomas</td>
<td>Biological Sciences</td>
<td>“Dopamine Receptor Modulation of Specified Synapses on Mouse Medial Prefrontal Layer 5 Neurons”</td>
<td>Brain and Behavior Research Foundation</td>
<td>Resubmission proposal, basic research project, 2 years</td>
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<td>Justin Krawitz</td>
<td>Campus Compact of the Mountain West</td>
<td>“Democracy 25-Phase 1”</td>
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<td>New proposal, public service project, &lt;1 year</td>
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<td>Dana Landry</td>
<td>Music</td>
<td>“University of Northern Colorado Performing and Educational Outreach Tour of China.”</td>
<td>U.S. Department of State, Public Affairs Section</td>
<td>New proposal, public service project, 1 year</td>
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<td>Annie Epperson</td>
<td>University Libraries</td>
<td>“Native Voices: Native Peoples' Concepts of Health and Illness”</td>
<td>National Library of Medicine and American Library Association</td>
<td>New proposal, public service project, 4 years</td>
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<td>Gregory Heald</td>
<td>Colorado Department of Education</td>
<td>“State Grants for Libraries”</td>
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<td>Kristin Klopfenstein</td>
<td>Office of the President</td>
<td>“An Evaluation of Blended Learning Efficacy in Elementary Math and Science”</td>
<td>U.S. Department of Education</td>
<td>New proposal, applied research project, 2 years</td>
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