

University of Northern Colorado

Extramural Proposals

Fiscal Year 2015

The Office of Sponsored Programs reports that during Fiscal Year 2015, UNC faculty and staff members submitted 82 proposals to external agencies requesting \$32,411,707.

College of Education & Behavioral Sciences – 21 proposals - \$7,081,400

Elysia Clemens, Applied Psychology and Counselor Education

"Students in Foster Care: The Relationship Between Educational Outcomes and Mobility"

U.S. Department of Education

New proposal, applied research project, 2 years - \$385,368

Co-Principal Investigator: Judith Martinez, consultant

"Colorado Performance Partnership Pilot"

Colorado Department of Higher Education

New proposal, applied research project, 4 years - \$314,859

Kay Ferrell, Special Education

"Pakistan Teaching Excellence and Achievement Program"

IREX

New proposal, instruction project, 1 year - \$199,832

Co-Principal Investigator: Carolyn Edwards, consultant

"Collaborative Research: Effective Practices for Describing Chemistry Images for Students Who are Blind or Have Low Vision"

National Science Foundation

New proposal, applied research project, 3 years - \$190,041

Co-PI: Robert Houser, NHS Chemistry and Biochemistry & AVP for Research

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

U.S. Department of Education

Resubmission proposal, applied research project, 2+ years - \$1,156,882

Co-Principal Investigator: Carolyn Edwards, consultant

"Creating a State-Wide System of Tele-Support for Families of Infants and Toddlers with Blindness/Visual Impairment"

Spencer Foundation

New proposal, applied research project, 3 years - \$359,987

Heather Helm, Applied Psychology and Counselor Education

"UNC and CSU Collaborative Planning Grant – Campus Corps"

Colorado State University subaward – El Pomar Foundation Prime

New proposal, instruction project, 1 year - \$18,056

Lewis Jackson, Special Education

"Factors Contributing to Academic, Social, and Behavioral Outcomes for Elementary Students with the Most Significant Cognitive Disabilities"

University of Kansas subaward – U.S. Department of Education Prime

New proposal, applied research project, 3 years - \$162,674

"Factors Contributing to Academic, Social, and Behavioral Outcomes for Elementary Students with the Most Significant Cognitive Disabilities"

University of Kansas (direct) - U.S. Department of Education (prime)

New (resubmission) proposal, applied research project, 3 years - \$156,657

Leilani Johnson, DOIT Center
"Preparation for Interpreters in Educational Settings"
U.S. Department of Education
New proposal, instruction project, 5 years - \$1,248,323

Paul Klaczynski, Psychological Sciences
"Developmental Reversals in Probabilistic Judgments: Age, Numeracy, and the Tetacognitive Gap"
National Science Foundation
New proposal, applied research project, 3 years - \$511,862

John Luckner, Special Education
"Project Interact: Improving the language and emergent literacy skills of young children who are deaf or hard of hearing"
U.S. Department of Education
New proposal, applied research project, 3 years - \$1,013,422

Christy Moroye, Teacher Education
"Ecomindedness for Educational Aims"
Spencer Foundation
New proposal, basic research project, 1 year - \$46,424

"CS 10K: C-START: Colorado - Strategic Approach to Rally Teachers"
Colorado School of Mines (direct) – National Science Foundation (prime)
New proposal, scholarship project, 3 years - \$109,454

Tracy Mueller, Special Education
"Reducing Special Education Conflict: An Investigation of the Facilitated Individualized Education Program Process"
Spencer Foundation
New proposal, development research project, 1 year - \$49,597

Kristina Phillips, Psychological Sciences
"Understanding the Dynamics of College Student Marijuana Use: A Study using EMA"
National Institutes of Health
New proposal, applied research project, 3 years - \$401,984

Corey Pierce, Special Education
"Laying the Foundation to Explore the Impact of Rtl as a State-Wide Mandate"
Spencer Foundation
New proposal, applied research project, 1 year - \$49,766
Co-PI: Kristin Klopfenstein, Office of the President, Education Innovation Institute

Kevin Pugh, Psychological Sciences
"Transformation, Identity, Discovery and Engagement in STEM (TIDES)"
Old Dominion University – US Department of Education funding
New proposal, applied research project, 5 years - \$15,136

Lisa Rue, Applied Statistics and Research Methods
"The Options Project for Primary Care Setting"
U.S. Department of Human Health and Services, ACF
New proposal, applied research project, 2 years - \$571,076

Gabriel Serna, Leadership, Policy and Development: Higher Education and P-12 Education
"Public College and University Credit Ratings: Exploring the Role of Fiscal Structure and Diversification"
American Educational Research Association
New proposal, applied research project, 1 year - \$20,000

Dana Walker, Teacher Education

"Explorations in Distance Education: A U.S.-Russian Peer-to-Peer Dialogue and Exchange"

U.S. Department of State, Public Affairs Section

New proposal, public service project, 1 year - \$100,000

Co-PI: Heng-Yu Ku, Teacher Education

Humanities and Social Sciences – 5 proposal - \$2,377,721

Sarah Goodrum, Criminal Justice

"CRISP Type 2: Collaborative Research: The Role of Information Delivery in the Interdependency between Education Facilities and Emergency Responders in Active Shooter Events"

National Science Foundation

New proposal, basic research project, 4 years - \$321,706

Angela Henderson, Sociology

"Establishing 'Best Practices' for Student Athlete Bridge Programs"

National Collegiate Athletic Association (NCAA)

New proposal, basic research project, 1 year - \$7,398

Britney McIlvaine, Anthropology

"Durres, Albania REU Site: Training in Bioarchaeological Research Methods"

National Science Foundation

New proposal, basic research project, 3 years - \$315,262

David Musick, Sociology

"Statewide Study of Medical Cannabis Use and the Management of Severe Pain"

Colorado Department of Public Health and Environment

New proposal, applied research project, 3 years - \$1,648,355

Christiane Olivo, Political Science and International Affairs

"Center for Engaged Civics Education"

Center for Education in Law and Democracy

New proposal, public service project, 2 years - \$85,000

Monfort College of Business – 3 proposals - \$115,000

Suzanne Conner, Management and Marketing

"Music and Food Related Health Choices"

Grammy Foundation

New proposal, basic research project - \$20,000

Richard Pickett, Small Business Development Center

"Music and Food Related Health Choices"

UNC BizHub Collaborative

New proposal, public service project - \$75,000

"Economic Gardening with Business Consulting"

Colorado Office of Economic Development and International Trade

New proposal, public service project - \$20,000

Natural and Health Sciences – 44 proposals - \$20,800,207

Wendy Adams, Physics and Astronomy

"PhysTEC Comprehensive Site: Collaborative Physics Teacher Preparation at University of Northern Colorado and the Colorado School of Mines"

Physics Teacher Education Coalition

New proposal, instruction project, 3 years - \$319,504

Co-Principal Investigator: Christy Moroye, CEBS Teacher Education

Steven Anderson, MAST (Earth and Atmospheric Sciences)

"Lava Flow Emplacement Processes: Constraints on Planetary Volcanism from Field-Derived Thermal and Topographic Data, Simulations and Terrestrial Analogs"

Planetary Science Institute subaward – NASA prime

New proposal, basic research project, 3 years - \$56,968

Lauryn Benedict, Biological Sciences

"Collaborative Proposal: An Integrative Study of the Avian Suture Zone in the Western United States Using Genetic, Behavioral and GIS Methods"

National Science Foundation

New proposal, basic research project, 4 years - \$414,580

"CAREER: Sexual selection, ecological selection and bird song complexity across latitudinal gradients"

National Science Foundation

New proposal, basic research project, 5 years - \$895,689

Jill Bezyak Human Sciences, Human Rehabilitative Services

"The Rocky Mountain ADA Center: Principal Investigator Subcontract"

Meeting the Challenge subaward – U.S. Department of Education prime

New proposal, applied research project, 1 year - \$51,043

"Rehabilitation Counseling Long-Term Training Program 2015-2020"

U.S. Department of Education

New proposal, instruction project, 5 years - \$941,107

Russell Carson, Sport and Exercise Science

"Utilizing Physical Activity Coordinators to Increase Physical Activity among Youth"

University of South Carolina (direct) – National Heart, Lung, and Blood Institute (prime)

New proposal, applied research project, 1.5 years - \$39,751

Lacy Cleveland, MAST

"SMART-T: A statewide professional learning community connecting secondary rural STEM teachers"

U.S. Department of Education

New proposal, applied research project, 5 years - \$2,858,260

Co-PI: Lori Reinsvold, NHS MAST

Anton Dzhamay, Mathematical Sciences

"Schlesinger Transformations and Discrete Painleve Equations"

Simons Foundation

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

Nathaniel Eldredge, Mathematical Sciences

"Collaboration in Probability and Stochastic Analysis (2015-2020)"

Simons Foundation

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

Scott Franklin, Biological Sciences

"Temporal and Spatial Patterns of Montane Forest Composition and Coarse Woody Debris in Colorado"

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

New proposal, basic research project, 3 years - \$73,775

Co-PI: Claudia Regan, U.S. Forest Service

Seth Fietze, Biological Sciences

"The Role of ZNF217 in ER+ Breast Cancer"

University of California at Davis Subaward – National Institutes of Health prime

Resubmission proposal, basic research project, 5 years - \$842,843

"Exploring the Functional Roles of IKAROS and AIOLOS in B Cells and as Targets of the Multiple Myeloma Drug Thalidomide"

National Institutes of Health

New proposal, basic research project, 3 years - \$423,754

Seth Fietze, continued

"Integration and epigenetic regulation of the HHV-6 genome"

National Institutes of Health

New proposal, basic research project, 2 years - \$358,409

Derek Headley, Human Sciences, Audiology and Speech Language Sciences

"Base of Tongue Strength Measuring Device for Dysphagia Assessment"

Creare, Inc.

New proposal, development research project, <1 year - \$16,458

Melissa Henry, Nursing

"Nurse Faculty Loan Program FY'15"

U.S. Department of Health and Human Services, HRSA

New proposal, scholarship project, 1 year - \$155,000

William Hoyt, Sport and Exercise Science

"Geosciences/Environmental Student Curriculum and Recruitment: Inviting Diverse Students to Sustain their Future"

Science Education Resource Center – NSF funding

Preliminary proposal, academic support project, 1 year - \$44,891

David Hydock, Sport and Exercise Science

"Combating Chemotherapy-induced Muscle Weakness and Fatigue with Exercise"

National Institutes of Health

New proposal, basic research project, 3 years - \$408,618

Richard Hyslop, Chemistry and Biochemistry

"Development of a Human Clinical Trial-ready Cannabinoid + Cell-in-a-Box® Cellulose-based Live Cell Encapsulation Combination for the Targeted Treatment of Pancreatic, Brain, and Other Cancers"

Colorado Department of Public Health and Environment

New proposal, applied research project, 3 years - \$1,905,320

Co-PIs: Ann Hawkinson and Stephen Mackessy, NHS Biological Sciences; Corina Brown, NHS Chemistry and Biochemistry; Mark L. Rabe, Nuvilex, Inc.

Susan Keenan, Biological Sciences

"Synthesis and Analysis of Potential Flavivirus Inhibitors"

Colorado Center for Drug Discovery (C2D2)

New proposal, basic research project, \$0 (budget is not submitted with proposal)

Mitchell McGlaughlin, Biological Sciences

*"A Genetic Assessment of *Cryptantha Gypsophila* (Gypsum Valley Cateye): Genetic Diversity and Taxonomic Relations in Big Gypsum Valley Colorado"*

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

Supplement proposal, basic research project, 1 year - \$15,000

"Improving Doctoral Education in Biology at UNC"

U.S. Department of Education

New proposal, scholarship project, 3 years - \$442,917

Deanna Meinke, Human Sciences, ASLS

"STEM game to educate and promote hearing health and science for 4th to 7th grade"

Creare, Inc.

New proposal, development research project, <1 year - \$44,097

Nathaniel Miller, Mathematical Sciences

"A Mentoring Program for Learning to Teach College Geometry Classes Using Inquiry-Based Techniques"

Educational Advancement Foundation

New proposal, scholarship project, 3 years - \$50,001

Michael Mosher, Chemistry and Biochemistry
"Chiral Transfer in Ionic Liquid Solvents"
American Chemical Society
New proposal, basic research project, 2 years - \$110,000

Kimberly Murza, Human Sciences, Audiology and Speech Language Sciences
"Collaborating Around Language and Literacy: A Service Learning Project"
Campus Compact of the Mountain West
New proposal, instruction project, 1 year - \$1,976

Kimberly Murza, continued
"The Relationship of Pragmatic Language and Employment Success in Adults with High-Functioning Autism Spectrum"
American Speech-Language-Hearing Association
New proposal, applied research project, 1 year - \$9,997

Jodie Novak, Mathematical Sciences
"Collaborative Research: Initiating a Foundational Research Model for Secondary Mathematical Knowledge for Teaching (INFORMS MKT)"
National Science Foundation
New proposal, basic research project, 3 years - \$1,049,184
Co-PI: Frieda Parker and Robert Powers, NHS Mathematical Sciences

Lori Reinsvold, MAST Institute
"Northern Colorado STEM Collaboration"
Colorado Department of Higher Education, U.S. Department of Education pass through funding
New proposal, instruction project, 1+ years - \$176,756
Co-Principal Investigator: Lacy Cleveland, MAST Institute

Scott Sabella, Human Sciences, TACE Center
"Job-Driven Vocational Rehabilitation Technical Assistance Center"
George Washington University subaward – U.S. Department of Education prime
New proposal, instruction project, 3 years - \$780,000

"RRTC on VR Practices for Youth and Young Adults"
U.S. Department of Education
New proposal, instruction project, 5 years - \$4,375,000

Richard Schwenz, Chemistry & Biochemistry
"Partnerships for STEM Modeling Instruction"
Colorado Department of Higher Education – U.S. Department of Education pass through funding
New proposal, instruction project, 1+ years - \$198,053

Julie Sexton, MAST
"Developing Literacy in an Out-of-School Time Science Research Program"
National Institute on Out-of-School Time sub – Robert Bowne Foundation prime
New proposal, basic research project, 1 year - \$23,516
Co-PI: Lori Ball, NHS MAST

"Research in Service to Practice: Longitudinal Impact of Out-of-School Science Research Experiences on Teenage Learners' Attitudes, Knowledge, and Academic and Career Choices"
National Science Foundation
New proposal, basic research project, 5 years, \$1,274,213
Co-PIs: Lori Ball, NHS MAST; Trent Lalonde, CEBS Applied Statistics and Research Methods

Marcia Shafer, Human Sciences, Retired and Senior Volunteer Program
"Weld County Retired and Senior Volunteer Program"
Corporation for National and Community Service
Supplement proposal, public service project, 1 year - \$2,500

Marcia Shafer, continued
"Weld County Stand Down Day"

U.S. Department of Labor
New proposal, public service project, 1 year - \$7,000

Jeremy Smith, Sport and Exercise Science
"Development of a Real-time Feedback Prosthetic Socket"

U.S. Department of Defense
Preliminary proposal, basic research project, 4 years - \$0 (no budget in preliminary proposal)

Audrey Snyder, Nursing

"An Academic-Practice Partnership to train AGACNPs to improve care of rural adults across the transitions of care"

U.S. Department of Health and Human Services, HRSA
New proposal, instruction project, 3 years - \$1,796,364

Hortensia Soto-Johnson, Mathematics

"Las Chicas de Matematicas"

Mathematical Association of America
New proposal, instruction project, 1 year - \$6,000

Megan Babkes Stellino, Sport and Exercise Science

"Executive Function as a Predictor of Success Among Collegiate Baseball Players"

Association for Sport Psychology
New proposal, applied research project, 1 year - \$675
Co-Principal Investigators: Robert Brustad and Lyndsie Coleman, Sport and Exercise Science

Mark Thomas, Biological Sciences

"Dopamine Receptor Modulation of Specified Synapses on Mouse Medial Prefrontal Layer 5 Neurons"

Brain and Behavior Research Foundation
New proposal, basic research project, 2 years - \$100,000

Robert Walch, Physics and Astronomy

"2010 NASA Space Grant Year 6"

University of Colorado, Boulder (direct) – NASA (prime)
Continuation proposal, development research project, 1 year - \$25,000
Co-PIs: Cynthia Galovich and Matthew Semak, NHS Physics and Astronomy

"Undergraduate Research and Education in Space Science (2010 NASA Space Grant Year6)"

University of Colorado, Boulder (direct) – NASA (prime)
Continuation proposal, development research project, 1 year - \$25,000

Joyce Weil, Human Sciences, Gerontology

"An Evaluation of Home and Community Based Services (HCBS) for Older Adults: Building Efficient Rural and Metropolitan Models Utilizing a Community Participatory Approach"

National Institute on Aging
New proposal, applied research project, 3 years - \$410,988
Co-PI: Nancy Karlin, CEBS Psychological Sciences

Performing & Visual Arts – 4 proposals - \$152,254

Jill Burgett, Music

"UNC Chamber Choir Cultural Understanding Tour"

U.S. Department of State, Public Affairs Section
New proposal, public service project, 1 year - \$50,000

Andrew Dahlke, Music

"Hemispheres Saxophone Quartet Teaching, Performing, Educational/Cultural Exchange Tour of China"

U.S. Department of State, Public Affairs Section
New proposal, public service project, 1 year - \$18,316

Connie Stewart, Art and Design, Center for Integrated Arts Education
"Arts Education Leadership Institute: An Interchange of Traditional and Contemporary Arts and Culture"
National Endowment for the Arts
New proposal, public service project, 2 years - \$53,918

Dana Landry, Music
"46th Annual UNC/Greeley Jazz Festival"
National Endowment for the Arts
New proposal, public service project, 1 year - \$30,020

University Libraries – 3 proposals - \$12,700

Joan Lamborn
"Purchase of intervention programs that have been shown to improve literacy for use by Reading, Special Education and Teacher Education faculty and students"
Colorado State Library
New proposal, academic support project, 1 year - \$3,700

Jane Monson
"Digital Preservation Planning for the University of Northern Colorado University Libraries"
National Endowment for the Humanities
New proposal, academic support project, 1 year - \$6,000

Jay Trask
"Latino Americans: 500 Years of History Library Program"
American Library Association
New proposal, academic support project, 1 year - \$3,000

Academic Affairs Units – 1 proposal - \$1,412,425

Shawanna Kimbrough, Academic Support and Advising
"University of Northern Colorado Student Support Services Project 2015-2020"
U.S. Department of Education
New proposal, student support project, 5 years - \$1,412,425

Office of the President – 1 proposals - \$460,000

Kristin Klopfenstein, Education Innovation Institute
"Early College Strategies for ALL"
University of North Carolina, Greensboro (direct) – North Carolina New Schools (prime) – U.S.
Department of Education funding
New proposal, applied research project, 5 years - \$460,000
