



**Academic Affairs Committee
September 22, 2022, 1:45pm**

Information Item

AAC – 5 Update on Research and Engagement

The Office of Research and Engagement provides support and strategic direction to faculty, staff and students for research and creative endeavors resulting in scholarship, innovation, community, and economic engagement leading to knowledge, student, and regional transformation.

External Funding and Trends

For the 10th year in a row, awards increased. More specifically, at \$51,958,821 we exceeded last year’s record award total and exceeded our 5% target with award dollars increasing by \$3,583,248 or 7.4%. This is the highest amount of award dollars in UNCG’s history and represents a 42.1% increase over the last 5 years. The number of awards increased by 27 as did the average amount of the awards. Federal still makes up the majority of the awards (45.1%), with state contracts at 25.1%, subawards from other educational/research institutions (13.8%), nonprofits (5.5%), foundations at 3.4%, local government at 4.7%, and business and industry at 2.2%. The number of submissions did decrease but the amount requested increased by \$6,123,894 or 3.5%.

And through the end of August 2022, we are also tracking ahead of the same period last year.

| | 7-1-21 to 6-30-22 | | 7-1-20 to 6-30-21 | |
|--------------------|--------------------------|----------------|--------------------------|---------------|
| SUBMISSIONS | Number | Amount | Number | Amount |
| | 402 | \$ 182,450,884 | 521 | \$176,326,990 |
| AWARDS | Number | Amount | Number | Amount |
| | 331 | \$ 51,958,821 | 304 | \$ 48,375,573 |

Of note is the continuous increase in the amount and percentage of federal funding which remains extremely competitive. A sampling of new awards received this past year highlights the wide variety of federal agencies that are funding UNCG scholarship as well as the diversity of expertise among our faculty and research scientists.

| Federal Agency | Title | Unit |
|-----------------------|--|--|
| NEH | Watersheds for Place-Based, Experiential Education | Music & English |
| NIEHS | Germline transmission of epigenetic alterations to offspring | Biology |
| NIH | Metabolomics for Determining Mechanism of Action of Botanical Medicines | Chemistry/Biochemistry |
| NIH | Protein Markers to Islet Autoimmunity and Type 1 Diabetes Progression | Center for Translational Biomedical Research |
| NIH | Investigating Donor Human Milk Composition Globally to Develop Effective Strategies for the Nutritional Care of Preterm Infants | Nutrition |
| NSF | Collaborative Proposal: Integrating trait diversity across hierarchical scales to predict biological resilience in an era of extreme environmental change | Biology |
| NSF | Narrow-Stencil Numerical Methods for Approximating Nonlinear Elliptic Partial Differential Equations | Math & Statistics |
| NSF | MRI: Acquisition of Micro-computed Tomography and 3D Imaging Infrastructure for Interdisciplinary STEM Research in North Carolina | Biology |
| NSF | STEM-based Making for Youth, Families, and Communities | Teacher Ed/Higher Ed |
| USDA | NIFA EGP: Acquisition of an Analytical Field Emission Scanning Electron Microscope for Nanotechnology Research at the Interface of the Food, Energy, and Water Nexus | Nanoscience |
| USDA | Investigating the impacts of in-hive treatments on the reproductive health of queens and drones | Biology |
| USDOED | Project IGNITE: Innovation to Grow, Nurture, and Inspire Teachers of English-learners | Teacher Ed/Higher Ed |



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