Research Development Office (RDO)

RDQ is one of several units within the Office of Research and Innovation (ORI). We:

> Stimulate interdisciplinary research and provide a foundation for sustainable research growth
> Develop strategies to pursue large-scale research projects
> Announce funding opportunities, manage limited submission competitions and ORI's internal seed-funding programs
> Manage University Shared Core Research Facilities and improve NC State’s research infrastructure
> Provide administrative oversight of Centers, Institutes and industrial consortia

Proposal Development Unit (PDU)

The PDU provides pre-award support for teams of NC State faculty developing large-scale (+$1M) interdisciplinary research proposals.

Projects typically involve multiple departments and colleges on campus, as well as partner institutions from across the nation.

PDU services include:

> Consultation
> Planning/facilitation
> Budgeting
> Writing/editing/formatting
> Graphics
> Internal review coordination
> Training
> Site visit assistance

Visit the PDU’s website to:

> Submit a PDU service request
> Access proposal development resources
> Learn about NIH and other opportunities
> Learn about upcoming trainings/workshops hosted by the PDU

Funding and Limited Submission Opportunities

RDO assists faculty in identifying funding for individual, collaborative, and interdisciplinary research projects.

Faculty should subscribe to RDO's funding communication system to receive announcements of limited submission opportunities of interest to NC State faculty, internal seed-funding programs, and other programs of interest.

Limited Submissions

RDO strives to identify and announce all limited submission opportunities of interest to the NC State research community, and manages the internal submission and review process.

> Faculty should not begin working on a limited submission proposal until approval is received from RDO.
> Should faculty identify a limited submission opportunity that is not posted on the limited submission website, the faculty member should notify RDO and the appropriate college research office (CRO) immediately.

Internal Funding Programs

RDO, often in partnership with other stakeholders, offers opportunities for research/scholarship seed funding, research equipment and other research infrastructure. Programs offered on an annual basis include:

> Non-laboratory Scholarship/Research Support Program (NSRP)
> Laboratory Research Equipment Program (LREP)
> Research & Innovation Seed Funding (RISF)
> Faculty Research & Professional Development (FRPD)
> METRIC Pilot Project Program (MPPP)
Centers and Institutes

NC State’s Centers and Institutes are platforms for interdisciplinary collaboration, education and discovery. Many of these UNC System-recognized units receive significant federal funding from NIH, NSF, NOAA, NASA, USDA and DOI.

Key Facts

> NC State is home to 44 Centers and Institutes, including 4 designated as multi-campus units within the UNC system
> NC State is the Lead Institution or a Research Site for 5 NSF-supported Industry/University Cooperative Research Centers (I/UCRCs) and 2 Engineering Research Centers (ERCs)
> NC State leads or is a member of 8 Manufacturing Institutes within the National Network operated by the Interagency Advanced Manufacturing National Program Office (AMNPO)
> 13 of NC State’s Centers and Institutes and 11 industrial consortia receive continuing financial support via industry memberships from more than 280 U.S. and foreign companies
> More than 890 faculty, 610 staff and 1,400 graduate students are affiliated with NC State Centers and Institutes.

Key Functions

> Disseminate information and latest news about NC State Centers and Institutes
> Promote interdisciplinary contacts and cooperation
> Facilitate planning for and establishment of new Centers, Institutes and industrial consortia to support research
> Assist with applications for NSF grants under the ERC and I/UCRC Programs, as well as post-award management
> Help navigate various requirements for performing multidisciplinary research

Shared Core Research Facilities

ORI oversees 6 Shared Core Facilities:

› Analytical Instrumentation Facility (AIF)
› Cellular and Molecular Imaging Facility (CMIF)
› Genomic Sciences Laboratory (GSL)
› High Performance Computing (HPC)
› Molecular Education, Technology and Research Innovation Center (METRIC)
› NC State Nanofabrication Facility (NNF)

These facilities house state of the art instruments and are staffed by scientists offering training, specialized services, as well as consultations.

ORI works with partners across campus to strengthen research and enhance competitiveness by providing access to Core instrumentation and services.

In the past year...

> PDU supported the efforts of ~650 faculty on 75 proposals, with $67,888,894 awarded to date and another $77,856,099 pending.
> The RISF program celebrated its 10th year, with approximately $1.5 million invested in this program since its inception and over $18 million in extramural funding secured as a result of RISF awards.
> Nearly 200 proposals were submitted to RDO by NC State faculty for consideration for internal funding. 68 were selected for funding totaling $3.1 million in awards.
> RDO announced 80 limited submission opportunities and administered 29 internal competitions, with 64 proposals submitted to sponsors.
> 2 NSF Major Research Instrumentation (MRI) limited submission proposals were recommended for funding, totaling 15 MRI awards to NC State in the past 15 years.
> A new Center/Institute (BELK Center) was established following a philanthropic gift from the BELK Foundation to the College of Education.
> Centers/Institutes and Industrial Consortia welcomed 47 new members (providing nearly $1 million for research projects), and 74 existing members renewed their memberships (providing an additional $2.3 million).
> New instrumentation was installed in 5 of 6 Shared Core Research facilities.
> A Shared Core Research Facility dashboard was launched using SAS Analytics. The dashboard will streamline Core oversight by gauging user activity as well as instrument use and access.

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