New Faculty Orientation:

Research administration and development at UNT

Dr. Thomas McCoy
Vice President for Research and Innovation

Dr. Narendra Dahotre
Interim Associate Vice President for Research and Innovation
Research - and more broadly research, scholarly, and creative activities - advances and ennobles human society

Research drives innovation and development that ...

- Supports economic growth
- Improves our standard of living
- Integrates with education to train the next generation of contributors and citizens
The federal government is the primary source of funding for basic research, providing about 60% of such funding.

Universities conduct most of the basic research in the U.S.

Applied research is also an important element of university-led research, and complements and often catalyzes further research and development in industry.

Federally funded research has been instrumental to developing technologies at Chromatin that can increase crop yields and accelerate the development of new crop products. As a result of funding from the DOE, NIH and Department of Commerce, Chromatin’s technology is being tested by leading multinational companies and Chromatin is partnering with several emerging technology companies to create crops that sustainably meet growing global demands.

Daphne Preuss
President and CEO, Chromatin, Inc.
UNT’s research administration and support offices

- Office of Research and Innovation
  - Office of Grants and Contracts Administration (OGCA)
  - Office of Research Integrity and Compliance (ORIC)
  - Office of Technology Transfer and Economic Development

- (Some) Colleges
  - Associate Dean for Research, College Research Officers

- (Some) Departments
  - Department Research Assistants
Office of Research and Innovation
(https://research.unt.edu/about-us)

- Support and enhance the research enterprise at UNT
- Aid in identifying funding opportunities from federal, state, and private sponsors
- Identify and develop research collaborations at UNT that can build nationally recognized programs - Research Institutes of Excellence
  - Advanced Environmental Research Institute
  - Advanced Materials & Manufacturing Processes Institute
  - Biodiscovery Institute
  - Jim McNatt Institute for Logistics and Research
- Help develop research collaborations with the private sector
- University-managed Research Facility
  - Materials Research Facility (advanced analytical tools)
  - BioAnalytics Facility (services and equipment for pharma to agriculture)
  - Complex Logistics Systems Laboratory (interactive logistics simulations, business intelligence, data visualization and complex logistics systems modeling, including 3D modeling)
  - TALON : High Performance supercomputing facility
  - Lewisville Lake Environmental Learning Area (a living lab perfect for scientific research and environmental education)
- Support economic development through technology transfer as well as business and workforce development
Office of Grants and Contract Administration - Britt Krhovjak, Director

- Pre-Award Process and Resources (grant submission, contracts, ...) - Carla McGuire, Associate Director OGCA

- Post-Award and Accounting Processes and Resources (effort reporting, grant accounting, ...) - Britt Krhovjak, Director OGCA

Office of Research Integrity and Compliance (Human subject and animal research, conflict of interest, export control, ...) - Jamie Peno, Director

Technology Transfer and Economic Development (Intellectual property, patents and licensing, ...) - Michael Rondelli, Associate Vice President for Economic Development

Environmental Safety and Health Resources (Chemical, radiation, biological safety, ...) Risk Management, Business and Finance Administration
Pre-Award responsibilities are shared between the PI, Academic Departments / Colleges, and the OGCA

- Finding Funding and Getting Started

- Preparing a Proposal and Routing in UNT’s electronic research administration system - Cayuse SP

- Budgeting and Budget Justification

- Submitting a Proposal to OGCA - assistance, review, guidelines, deadlines
Post-award responsibilities are shared between the PI, College, and OGCA

- Completing project objectives according to required guidelines
- Spending sponsored funds according to the approved budget
- Tracking and certify effort
- Close-out of the project at the conclusion of the award
Office of Research Integrity and Compliance–Jamie Peno, Director

ORIC helps faculty with local and federal regulations and processes pertaining to **ethical integrity** and **compliance** to ensure their research projects adhere to current standards.

- Institutional Review Board
- Institutional Animal Care and Use Committee
- Conflict of Interest
- Export Controls
- Responsible Conduct of Research
- Research Integrity
Technology Transfer and Economic Development manages the technology transfer process, helping to identify, protect, and commercialize inventions and other intellectual property created at UNT.

- Intellectual property - invention disclosures, patent applications
- Patent licensing agreements
- Confidentiality agreements
- Economic development - start-ups, associations with industry, ...
Resources for faculty members

- Principal Investigator’s (PI) Handbook: research.unt.edu/faculty-resources/ogca/pi-handbook

- ORI/OGCA Guidelines: research.unt.edu/faculty-resources/office-grants-contracts-administration/office-research-and-economic-development

- "PI Briefing": Briefing must be attended in person once every three years in order to be qualified to submit proposals and carry out work on grants and contracts

Brief PIs and other research participants about federal, state, and UNT guidelines and procedures for preparing or submitting a grant or contract
Proposal and contract review and submission, post-award accounting

Human subject and animal projects, conflict of interest, export controls ...

Intellectual property (patents), licensing, regional economic development