

# University of North Texas Department of Chemistry



## State of the Art Facilities

- Center for Advanced Scientific Computing and Modeling (CASCAM)
- 500 MHz and 400 MHz Varian NMR Spectrometers with solids probes
- Multiple mass spectrometers with MALDI, ACPI and ESI capabilities
- Recently acquired Rigaku single crystal and powder X-ray diffractometers
- A high-performance computing (HPC) system comprising 3,264 CPU cores and 190,208 GPU cores, dedicated exclusively to computational chemistry research and instruction—**soon to be upgraded!**

## Internationally Recognized Faculty and Research Program

Ranked as a Tier One research university in the Carnegie Classification, the Chemistry Department at UNT is a fast-growing department with approximately 100 graduate students and 18 research active faculty.

- Stanford study of scholarly impact includes 9 UNT Chemistry researchers on a list of scientists in the top 2% of their field according to citation metrics: William Acree, Paul Bagus, Weston Bordon, Thomas Cundari, Francis D'Souza, David Hrovat, Shengqian Ma, and Mohammad Omary.



## GRADUATE FACULTY AREAS OF RESEARCH

### **ANALYTICAL CHEMISTRY**

Dr. William Acree  
Dr. Oliver Chyan  
Dr. Francis D'Souza  
Dr. Teresa Golden  
Dr. Jeffry Kelber  
Dr. Guido Verbeck

### **INORGANIC CHEMISTRY**

Dr. Thomas Cundari  
Dr. Shengqian Ma  
Dr. Mohammad Omary  
Dr. LeGrande Slaughter

### **ORGANIC CHEMISTRY**

Dr. Francis D'Souza  
Dr. Michael Richmond  
Dr. Elizabeth Skellam  
Dr. Hong Wang

### **PHYSICAL CHEMISTRY**

Dr. Andrés Cisneros  
Dr. Paul Marshall  
Dr. Omar Valsson  
Dr. Hao Yan

### **CHEMISTRY EDUCATION RESEARCH**

Dr. Molly Atkinson

The UNT Chemistry Graduate Program emphasizes independent research in an area of chemistry and equips you with a solid understanding of the fundamentals of chemistry related to that area at a professional level.

Collaborations and interdisciplinary research projects are a growing feature of our program.



# Interdisciplinary Research

