

# Katherine Smart

Room 254, Chemistry Building  
University of North Texas  
KatherineRSmart@gmail.com

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## EDUCATION

2015-current PhD in Chemistry, Analytical Chemistry, Research Advisor: Prof. Teresa D. Golden  
University of North Texas, Denton, TX

2015 BS in Biochemistry, Minor in Biology, Undergraduate Academic Certificate in Forensic Science  
University of North Texas, Denton, TX  
GPA: 3.975/4.0

## PROFESSIONAL EXPERIENCE

### Research

May 2016-Present University of North Texas, Department of Chemistry, Denton, TX, Prof. Teresa D. Golden

- Dissertation research on electronic cigarettes

March 2015-Present University of North Texas, Department of Chemistry, Denton, TX, Prof. Teresa D. Golden

- Visualization of latent pen marks using Electrostatic Detection Apparatus under controlled temperature and humidity

August 2011-May 2012 University of North Texas, Department of Chemistry, Denton, TX, Prof. Robert C. Benjamin

- Isolated and purified DNA of a mycobacteriophage from an environmental sample
- Created potential lysogens that were tested for immunity against other mycobacteriophages

### Lab Instructor

2015-Present Undergraduate labs, University of North Texas, Department of Chemistry, Denton, TX

- Taught the following labs: General Chemistry, Organic Chemistry, and Instrumental Analysis
- Imparted ~40 students with laboratory skills and chemistry concepts such as utilizing chemical analysis
- Ensured experiment and equipment operating correctly before student use
- Graded and made comments on undergraduate students post-lab papers

## PRESENTATIONS

- 2017 Teaching Excellence Seminar – Working with Students in the Sciences, Technology, Engineering, and Math (STEM) Disciplines in Labs, University of North Texas, Denton TX, January 2017 (oral)
- 2016 Graduate Recruitment Weekend – Visualization of Latent Pen Marks using Electrostatic Detection Apparatus under Controlled Temperature and Humidity, University of North Texas, Denton TX, February 2016 (poster)
- 2012 UNT Scholar's Day – Isolation, Purification, and Characterization of the Mycobacteriophage "Compost," University of North Texas, Denton, TX, April 2012 (poster)

## AWARDS/ACHIEVEMENTS

- Mary D. Walsh Endowed Scholarship 2017-2018, University of North Texas, Denton, TX
- Graduate Student Teaching Excellence Program completed 2016, University of North Texas, Denton, TX
- Mastery in Assessment 2016, UNT CLEAR, University of North Texas, Denton, TX
- Toulouse Graduate School Tuition Grant 2015-2017, University of North Texas, Denton, TX

- UNT Scholarship for Continuing Students- Undergraduate 2012-2015, University of North Texas, Denton, TX

#### **PROFESSIONAL ACTIVITIES**

- 2016, 2017 STEM Camp, University of North Texas, Denton, TX
- 2016 Graduate Recruitment Weekend Department of Chemistry, University of North Texas, Denton, TX

#### **PROFESSIONAL AFFILIATIONS**

- American Society for Mass Spectrometry (ASMS)
- Golden Key