

Katelyn Holmes

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Experience:

ADJUNCT PROFESSOR

BROOKHAVEN

1/17-Present

Instructor for undergraduate Biology Labs:

- Taught BIOL 2416 lab, BIOL 2401/2402 lecture, lab, and exclusively online sections
- Prepped BIOL 2416 lab weekly
- Maintained lab inventory and coordinated perishable deliveries
- Led weekly lecture and lab (PCR, gel electrophoresis, blood typing)
- Maintained and organized student attendance records and grades
- Applied data driven instruction decisions
- Maintained classroom environment
- Composed and administered exams

ADJUNCT PROFESSOR

UNIVERSITY OF NORTH TEXAS

8/13-Present

Instructor for undergraduate Biology Labs (BIOL 1082, 1112, 1760, 4510):

- Developed weekly curriculum
- Led weekly group lab sessions and individual tutoring sessions as needed
- Maintained and organized student attendance records and grades
- Applied data driven instruction decisions
- Maintained classroom environment
- Supervised exams

GRADUATE RESEARCH ASSISTANT

UNIVERSITY OF NORTH TEXAS

8/13-5/15

Research Topics and Responsibilities

- Cytotoxicity of Antimalarial Agent Mefloquine Hydrochloride
- Neuroprotection of Quinolinic Acid
- Cell Culture Support Staff
- Maintain lab sterility
- Aliquot chemicals
- Train new incoming lab members

SUPPLEMENTAL INSTRUCTOR/TUTOR
LAMAR UNIVERSITY
8/09-8/12

- Individual Tutor (College Writing, English I and II, Developmental Math, Algebra, Biology and II, Microbiology, Organic Chemistry I and II, Psychology and Sociology)
- Planned curriculum
- Promoted to Supplemental Instructor
- Led classroom discussions, managed student assignments, and provided study material

Education:

M.S BIOLOGY
UNIVERSITY OF NORTH TEXAS
8/13- 5/15

B.S BIOLOGY
LAMAR UNIVERSITY
8/09-8/12

Scholarly Presentations:

Toxicity of Antimalarial Agent Mefloquine Hydrochloride and Protective Effects of Quinolinic Acid (November 2014)

- Society for Neuroscience 2014, Washington D.C

The Functional Toxicity and Cytotoxicity of Mefloquine Hydrochloride and Protective Effects of Quinolinic Acid (July 2014)

-9th International Microelectrode Array and Integrated Substrate Meeting, Reutlingen Germany

Quantification of Mefloquine Hydrochloride Toxicity: Functional Toxicity and Cytotoxicity Effects (April 2014)

- University of North Texas

Achievements and Memberships:

RAUPE Travel Grant Recipient	Spring 2014/Fall 2014
Biology Department Travel Grant Recipient	2014
Invited Platform Presenter- 9th International Microelectrode Array and Integrated Substrate Meeting	2014
Society for Neuroscience Member	2013-PRESENT
University of North Texas Fellowship Recipient	2013-2015
Promoted to Supplemental Instructor	2012
Tri Beta Honor Society Member	2011-PRESENT
Tutor of the Month	2010

Professional References

Guenter W. Gross
Advisor/Major Professor
(940) 565-3615 / gwgross@unt.edu

Glenn Kasparian
Faculty Professor
(214) 232-2115 / gkasparian@unt.edu

Judy Ratterree
Lab Supervisor (TA Assignments)
(940) 565-3611 / Judy.Ratterree@unt.edu