

Education:

Master of Science in Microbiology and Cell Science May 2017
University of Florida, Gainesville, FL

Bachelor of Science in Medical Technology July 2006
Wichita State University, Wichita, KS

Teaching Experience:

Assistant Professor August 2017 - Present
Wichita State University

- Developed new molecular tests for the student laboratory
- Adapted extraction techniques to optimize student laboratory experience
- Designed curriculum, formulated study tools and restructured laboratory procedures for student development
- Instructed:
 - MLS 405 – Medical Immunology*
 - MLS 495 – Clinical Microbiology*
 - MLS 482 – Molecular Diagnostic Techniques*
 - MLS 498 – Applied Clinical Microbiology*
- Assisted with laboratory procedures in *MLS 453 – Clinical Chemistry*
- Instructed clinical rotation students in remediation as needed

Undergraduate Student Research Mentor May 2018
Wichita State University

- Mentored undergraduate on molecular techniques and instrumentation
- Aided in procedural instruction for undergraduate research project

Adjunct Instructor June 2017
Wichita State University

- Developed online coursework
- Instructed *MLS 482-Molecular Diagnostic Techniques*

Lecturer January 2017 - May 2017
Wichita State University

- Lectured and aided in laboratory instruction for *MLS 495-Clinical Microbiology*

Adjunct Instructor June 2016
Wichita State University

- Instructed *MLS 482-Molecular Diagnostic Techniques*

Additional Lectures Given:

Molecular Testing 2015 2015
Wichita State University, Medical Laboratory Science Department

Testing for Viruses in the Clinical Setting 2015
Sterling College, Microbiology Department

Respiratory Viral PCR Testing 2012
Wichita State University, Medical Laboratory Science Department

Research Experience:

Professional Experience:

Medical Laboratory Scientist – Lab Microbiology May 2006-Present
Via Christi St. Francis, Wichita, KS

- Inoculate bacterial, fungal and viral cultures
- Interpret growth from bacterial and viral cultures
- Perform appropriate stains and biochemical testing for bacterial and viral isolates
- Operate and validate complex equipment including: EasyMag, Biofire, GeneXpert,

- BacT/ALERT, Vitek, GenMark DX, Luminex, and BD Max
- Analyze samples with Molecular Diagnostic techniques
- Instruct Medical Laboratory Science clinical students
- Write and maintain procedures for multiple concentrations in Microbiology; including Bacteriology, Virology, and Molecular Diagnostics
- Coordinate continuing education for all Medical Laboratory Scientists

Resource Technologist – Molecular Diagnostics

May 2012-May 2016

Via Christi St. Francis, Wichita, KS

- Validate Molecular Diagnostic assays
- Develop appropriate Quality Control protocols
- Instruct peers on testing methods
- Implement new molecular instrumentation
- Oversee proper performance of testing
- Maintain procedures and tests to meet College of American Pathologists (CAP) Certification requirements

Laboratory Information System – Microbiology Support

Jan. 2016-August 2018

Via Christi, Wichita, KS

- Monitor the Laboratory Information System (LIS)
- Build new Microbiology tests to accommodate reporting
- Validate proper reporting of results
- Create drug panels for the reporting of antibiotic susceptibilities
- Write rules to ensure proper release of antibiotic results

Professional Service:

Director - South Kansas Region

2017 – Present

Southwestern Association of Clinical Microbiology (SWACM)

Certifications:

Medical Laboratory Scientist

Sept. 2006-Present

American Society for Clinical Pathology

Professional Associations:

American Society for Clinical Pathology (ASCP)

2006 – Present

Southwestern Association of Clinical Microbiology (SWACM)

2017 – Present

American Society for Microbiology (ASM)

2018 – Present

Kansas Society for Clinical Laboratory Science (KSCLS)

2018 – Present

American Society for Clinical Laboratory Science (ASCLS)

2018 – Present

Honors/Awards:

Outstanding Student Award

2006

Kansas Society for Clinical Laboratory Science

Alpha Eta Society

Inducted 2006

The National Scholastic Honor Society for Allied Health Professions