



CURRICULUM VITAE

Lyndsey N. Gisclair

Date: 24 February 2025
School: School of Allied Health
Department/Program: Medical Laboratory Science

Current Title:
Business Address:
Business Telephone: (504) 568-4280
Business email Address: lnash2@lsuhsc.edu

Initial Appointment at LSUHSC Date: 8-1-2024
Current Academic Rank: Assistant Professor
Date of Appointment to Current Rank: 8-1-2024
Military Service: No

Education:

B.S. Microbiology **May 2014**
Louisiana State University, Baton Rouge, LA

B.S. Clinical Laboratory Sciences **May 2016**
Louisiana State University Health Sciences Center, New Orleans, LA

Ph.D. Microbiology, Immunology and Parasitology **Expected May 2025**
Louisiana State University Health Sciences Center, New Orleans, LA
 Dissertation: *Trypanosoma cruzi* induces cardiac microvascular endothelial cell dysfunction

Certification:

Medical Laboratory Scientist **May 2016 – Present**
American Society for Clinical Pathology
 • Certification # 255910

Revised: February 2025

Licensure:**CLS Generalist**

Louisiana State Board of Medical Examiners
License # 303347

May 2016 – Present**Academic, Professional, and Research Appointments:****Medical Technologist, Microbiology**

Ochsner Health System, New Orleans, LA

- Laboratory Safety Committee Member

June 2016 - 2020**Medical Technologist, Microbiology**

LCMC Health, New Orleans, LA

June 2020 - 2024**Graduate Teaching Assistant**

Louisiana State University Health Sciences Center, New Orleans, LA

Department of Medical Laboratory Sciences

- Assist in preparation and student guidance of Serology and Microbiology laboratory

Spring 2023 – Fall 2024**Awards and Honors:****Betty Lynne Theriot Memorial Outstanding Student Award.**

Louisiana State University Health Sciences Center, New Orleans, LA

- Granted to the student who demonstrates excellence in all areas of the Clinical Laboratory Sciences profession and who faculty feel will significantly contribute to the profession

May 2016**Vasculata 2023 Scholarship Recipient**

North American Vascular Biology Organization

- Granted \$200 for conference associated fees to attend Vasculata 2023

June 2023

TEACHING EXPERIENCE AND RESPONSIBILITIES

Creation of Enduring Teaching Materials:

Bacteriology Challenger

Interactive Online Bacteriology Case Simulations

- Development of additional simulator modules, refinement of currently available models to better suit educational requirements and implementation of refined models into MLS 4125, MLS 5104 and MLS 4135

Formal Course Responsibilities:

MLS 4107 Serology Lab

Graduate Teaching Assistant

Course Coordinator / Course Instructor

Laboratory format. 1 credit hour.

Spring 2023

Spring 2024 - Present

- Discussions, demonstrations, and laboratory exercises performed in the student laboratory designed to familiarize the student with the principles, procedures of manual and automated routine and advanced immunologic techniques. Emphasis placed on performance and interpretation of results of these techniques as applied to the clinical serology laboratory. Principles of instrumentation and methods of laboratory quality control also covered.

MLS 4125 Microbiology lab

Graduate Teaching Assistant

Course Coordinator / Course Instructor

Laboratory format. 2 credit hours

Fall 2023

Fall 2024 - Present

- Discussions, demonstrations, and laboratory exercises performed in the student laboratory designed to familiarize the student with the principles, procedures of manual and automated routine and advanced bacteriology. Emphasis is placed on observation, performance and interpretation of bacterial cultures. Principles of instrumentation and methods of laboratory quality control also covered. The course is designed to familiarize the student with the principles, procedures, techniques and data interpretation for the isolation and identification of clinically significant organisms from various body sites.

MLS 4139 Review and Applications of Clinical Laboratory Concepts

Course Instructor

Self-Directed. 2 credit hours

Spring 2024 - Present

- Senior level self-directed learning designed to apply skills and knowledge acquired from course work to medical laboratory science practice and demonstrate problem-solving, communication and presentation skills. Students gather data and present a clinical case study involving several laboratory disciplines and/or solve and present a laboratory management.

MLS 5104 Microbiology

Course Coordinator / Course Instructor

Fall 2024 - Present

Lecture format. 4 credit hours.

- Lectures and discussions on the theory behind the identification of clinically significant bacterial isolates and routine infectious disease testing. Emphasis placed on the principles, procedures, and interpretation of testing utilized for bacterial isolation and identification. Principles of antibiotic sensitivity testing and reporting on significant isolates are also covered.

MLS 5128 Serology

Course Coordinator / Course Instructor

Spring 2025 - Present

Lecture format. 2 credit hours.

- Lectures and discussions on the theory and measurement of antibodies and antigens in infectious and autoimmune diseases. Emphasis placed on the principles, procedures, and interpretation of serological analysis.

MLS 4135 Clinical Microbiology Practicum

Course Coordinator / Course Instructor

Spring 2025 - Present

Clinical Experience. 5 credit hours

- Senior level course that includes discussions, demonstrations and laboratory exercises performed in the clinical laboratory designed to familiarize the student with the principles, procedures, and interpretation of manual and automated, general and advanced techniques as applied in microbiology and parasitology laboratories. Includes principles of instrumentation and methods of laboratory quality control.

Departmental/Interdisciplinary Teaching Conferences:

LSUHSC School of Graduate Studies Department of Microbiology, Immunology and Parasitology Seminar Series

- **L. Gisclair.** LSUHSC Seminar title “Effects of *Chlamydia* Scc4 on Growth Phenotype and Type III Secretion System Gene Expression” June 15, 2020.
- **L. Gisclair.** LSUHSC Seminar title “*T. cruzi*-Induced Dysfunction in Cardiac Microvasculature” November 29, 2021.
- **L. Gisclair.** LSUHSC Seminar title “Identifying Mechanisms of *T. cruzi*-Induced Dysfunction in Cardiac Microvasculature ” November 28, 2022.
- **L. Gisclair.** LSUHSC Seminar title “Characterizing *T. cruzi* Infection-Induced Endothelial Dysfunction” November 13, 2023.

Journal Publications:

Refereed

Published:

- Gao L, Cong Y, Plano GV, Rao X, **Gisclair LN**, Schesser Bartra S, Macnaughtan MA, Shen L. Context-Dependent Action of Scc4 Reinforces Control of the Type III Secretion System. J Bacteriol. 2020 Jul 9;202(15):e00132-20. doi: 10.1128/JB.00132-20. PMID: 32424009; PMCID: PMC7348548. Impact Factor: 2.7

Revised: February 2025

Scientific Presentations/Published Abstracts/Oral Sessions and Posters:

Local

- **L. Gisclair** and D. Johnston. LSUHSC School of Graduate Studies Graduate Research Day recorded poster presentation title “*T. cruzi* infection induces cardiac endothelial cell dysfunction.” November 1, 2021.
- **L. Gisclair** and D. Johnston. LSUHSC School of Graduate Studies Graduate Research Day recorded poster presentation title “*T. cruzi* infection induces cardiac endothelial cell dysfunction.” November 1, 2022.
- **L. Gisclair** and D. Johnston. LSUHSC School of Graduate Studies Graduate Research Day live talk title “*T. cruzi* infection induces cardiac endothelial cell dysfunction.” November 14, 2022.
- **L. Gisclair** and D. Johnston. LSUHSC School of Graduate Studies Graduate Research Day recorded poster presentation title “Cardiac Microvascular Endothelial Cell Responses to *T. cruzi* Infection.” November 2, 2023.
- **L. Gisclair** and D. Johnston. North American Vascular Biology Organization meeting poster presentation title “Acute *Trypanosoma cruzi* infection does not induce endothelial-to-mesenchymal transition in cardiac microvascular endothelial cells.” July 19, 2023.

National

- **L. Gisclair** and D. Johnston. American Society for Microbiology meeting poster presentation title “Cardiac Microvascular Endothelial Dysfunction Induced By *Trypanosoma Cruzi*” June 11 2022.

SERVICE AND ADMINISTRATION

University/Institutional Service:

LSUHSC School of Graduate Studies

Department of Microbiology, Immunology and Parasitology 2022 - 2024

- Assist in the recommendation and organization of seminar speakers for the departmental seminar

LSUHSC School of Allied Health Professions

- Research and Grants Committee, Member 2024 - Present

Department of Medical Laboratory Science

- MLS Admissions Committee, Member 2024 – Present
- MLS Advisory Board Committee, Member 2025 - Present
- MLS Awards Committee, Member 2024 – Present
- MLS Clinical Affiliate Committee, Member 2025 - Present
- MLS Curriculum Committee, Member 2024 – Present
- MLS Recruitment Committee, Member 2025 - Present

State/Regional Service:

Louisiana Society for Clinical Laboratory Science

Student Bowl Competition Judge 2024

- Judge for the areas of Microbiology, Parasitology and Virology at the 2024 MS/LA ASCLS Joint Meeting

Membership in Professional Organizations:

American Society for Microbiology 2012 – Present

The American Society for Clinical Laboratory Science 2016 – Present

American Society for Clinical Pathology 2016 – Present

North American Vascular Biology Organization 2023 – Present

Continuing Education Courses Attended:

Formal Continuing Education Courses for MLS Licensees

Gram Stain. 2 credit hours 12-27-2016

University of Washington MTS

Urinalysis. 2 credit hours 2-10-2016

University of Washington MTS

UV Safety. 1 credit hour 5-29-2017

University of Washington MTS

Peripheral Blood. 2 credit hours 5-29-2017

University of Washington MTS

Cardiac Markers. 2 credit hours 5-29-2017

University of Washington MTS

Introduction to Transfusion Service. 2 credit hours 5-30-2017

University of Washington MTS

Revised: February 2025

Parasitology. 3 credit hours University of Washington MTS	7-18-2017
Impact of Rapid Molecular Diagnostics and Antimicrobial Stewardship in the Treatment of Bloodstream Infections. 1 credit hour BioMérieux USA	6-13-2018
Point of Impact in the Emergency Department: Diagnostics for Respiratory Viral Infections. 1 credit hour Biofire Diagnostics	6-13-2018
Vaginal Wet Prep. 1 credit hour University of Washington MTS	7-13-2018
Pinworm Examination. 1 credit hour University of Washington MTS	7-13-2018
FilmArray 2.0 Online Training Course. 1 credit hour Biofire Diagnostics	8-28-2018
Mycology. 2 credit hours University of Washington MTS	10-2-2018
MALDI-Centered Operation. 1 credit hour Bruker	10-2-2018
Chemical Waste. 1 credit hour University of Washington MTS	10-2-2018
Chemical Safety. 1 credit hour University of Washington MTS	10-24-2018
Biosafety. 2 credit hours University of Washington MTS	10-24-2018
Electrical Safety. 1 credit hour University of Washington MTS	2-5-2019
Ergonomic Safety. 1 credit hour University of Washington MTS	2-5-2019
Fire Safety. 1 credit hour University of Washington MTS	2-5-2019
Formaldehyde Safety. 1 credit hour University of Washington MTS	2-5-2019
Introduction to Molecular Diagnostics. 2 credit hours University of Washington MTS	2-5-2019
Transfusion Safety: Ordering and Administering. 1.5 credit hours University of Washington MTS	2-5-2019
Transfusion Safety: Specimen Collection. 1 credit hour University of Washington MTS	2-5-2019
Transfusion Safety: Testing and Issuance. 1 credit hour University of Washington MTS	2-5-2019
Coagulation. 2.5 credit hours University of Washington MTS	2-5-2019
Transfusion Safety: Specimen Collection. 1 credit hour University of Washington MTS	2-9-2020
Transfusion Safety: Testing and Issuance. 1 credit hour University of Washington MTS	2-9-2020

Cardiac Markers. 2 credit hours University of Washington MTS	2-9-2020
Peripheral Blood. 2 credit hours University of Washington MTS	7-26-2020
COVID-19 and Coagulopathy. 1.5 credit hours Louisiana State University Health Sciences Center New Orleans	10-24-2020
Laboratory test in the times of the COVID-19 pandemic. 1.5 credit hours Louisiana State University Health Sciences Center New Orleans	11-7-2020
Cases in Mycology. 1.5 credit hours Louisiana State University Health Sciences Center New Orleans	11-7-2020
The History of Pandemics: From the Black Death to Covid19. 1.5 credit hours Louisiana State University Health Sciences Center New Orleans	11-14-2020
Body in the Barrel: A Forensic DNA Case Study. 1.5 credit hours Louisiana State University Health Sciences Center New Orleans	4-22-2021
Iron Deficiency Anemia: How a Little Worm Had a Big Impact on the South. 1.5 credit hours Louisiana State University Health Sciences Center New Orleans	4-27-2021
Safety in the Laboratory. 1.5 credit hours Louisiana State University Health Sciences Center New Orleans	4-27-2021
Free Living Amoebas as Agents of Infection. 1 credit hour MediaLab (LabCE)	10-13-2021
Fungal Infections in Humans. 2 credit hours MediaLab (LabCE)	10-19-2021
Microorganisms in the News. 1.5 credit hours Louisiana State University Health Sciences Center New Orleans	11-30-2021
Breast Cancer. 1.5 credit hours Louisiana State University Health Sciences Center New Orleans	11-30-2021
HIV: Structure, Replication, and Detection. 1.5 credit hours MediaLab (LabCE)	12-14-2021
Warm Autoantibody Workups. 1 credit hour Louisiana State University Health Sciences Center New Orleans	5-3-2022
Toxoplasmosis and Behavioral Changes. 1 credit hour Louisiana State University Health Sciences Center New Orleans	5-5-2022
Tuberculosis: A Persistent Public Health Threat. 1 credit hour Louisiana State University Health Sciences Center New Orleans	5-11-2022
Zoonotic Infections Transmitted by Pets. 1 credit hour Louisiana State University Health Sciences Center New Orleans	5-11-2022
Updates on Epstein-Barr Virus. 1.5 credit hours Louisiana State University Health Sciences Center New Orleans	5-12-2022
Thalassemia. 1 credit hour Louisiana State University Health Sciences Center New Orleans	5-17-2022
AJCP/Lab Medicine COVID-19 Series. 4 credit hours American Society for Clinical Pathology	5-19-2022
Advancing the Application of ImmunoOncology to Improve Patient Care. 1.5 credit hours	5-19-2022

American Society for Clinical Pathology	
Clinical Laboratory Educators Conference	3-2-2023 to 3-4-2023
American Society for Clinical Laboratory Science	
Orphan and Rare Diseases: An Overview. 1.5 credit hours	5-11-2023
Louisiana State University Health Sciences Center New Orleans	
Body Fluids 101. 1.5 credit hours	5-16-2023
Louisiana State University Health Sciences Center New Orleans	
Ethical Implications of Direct-to-consumer Laboratory Testing: Risks vs. Rewards. 1.5 credit hours	5-16-2023
Louisiana State University Health Sciences Center New Orleans	
Packaging and Shipping Infectious Materials. 2 credit hours	9-5-2023
MediaLab (LabCE)	
Laboratory Stewardship. 1.5 credit hours	10-27-2023
Louisiana State University Health Sciences Center New Orleans	
Unusual Infections in Humans. 1.5 credit hours	10-31-2023
Louisiana State University Health Sciences Center New Orleans	
Porphyrins and Lead. 1.5 credit hours	11-7-2023
Louisiana State University Health Sciences Center New Orleans	
An Overview of Alpha Gal Syndrome. 1.5 credit hours	11-9-2023
Louisiana State University Health Sciences Center New Orleans	
The Secret Lives of Red Blood Cell Antigens. 1.5 credit hours	11-15-2023
Louisiana State University Health Sciences Center New Orleans	
LSCLS/ASCLS-MS Bi-State Meeting	3-25-2024 to 3-27-2024
Louisiana Society for Clinical Laboratory Science	
American Society for Clinical Laboratory Science	
Joint Annual Meeting Virtual Attendance	7-8-2024 to 7-12-2024
American Society for Clinical Laboratory Science	
LSUHSC-NO MLS Clinical Faculty Meeting. 2 credit hours	10-7-2024
Louisiana State University Health Sciences Center New Orleans	
There's a fungus among us. 1.5 credit hours	11-11-2024
Louisiana State University Health Sciences Center New Orleans	
Malaria in the US: not just for travelers anymore?. 1.5 credit hours	11-12-2024
Louisiana State University Health Sciences Center New Orleans	
The Poxvirus called mpox. 1.5 credit hours	11-13-2024
Louisiana State University Health Sciences Center New Orleans	
Anemia: a symptom of disease, not a diagnosis. 1.5 credit hours	11-13-2024
Louisiana State University Health Sciences Center New Orleans	
Diabetes and lowering glucose levels. 1.5 credit hours	11-13-2024
Louisiana State University Health Sciences Center New Orleans	
Arboviruses in the news: what to know about dengue, eastern equine encephalitis and west nile virus. 1.5 credit hours	11-21-2024
Louisiana State University Health Sciences Center New Orleans	
Mycoplasma and ureaplasma in clinical specimens. 1.5 credit hours	11-21-2024
MediaLab (LabCE)	

Other Continuing Education Courses/Events

35 Years of Studying Human Papillomavirus: Questions and a Few

Revised: February 2025

Answers	2-21-2022
LSUHSC Department of Microbiology, Immunology and Parasitology	
Microbiome Manipulation and Malaria Co-infection: Impacts on SIV/HIV	
Vaccination and Pathogenesis in Nonhuman Primates	3-14-2022
LSUHSC Department of Microbiology, Immunology and Parasitology	
What Happens When the “Check (Kinesin) Engine” Light Goes on; A Zika	
Virus Protease Link to Microcephaly Primates	3-21-2022
LSUHSC Department of Microbiology, Immunology and Parasitology	
Microbiota and Regulation of Intestinal Immunity	3-28-2022
LSUHSC Department of Microbiology, Immunology and Parasitology	
Harnessing Genomics for Malaria Elimination: A Focus on Drug Discovery	
and Drug Resistance	5-16-2022
LSUHSC Department of Microbiology, Immunology and Parasitology	
ASM Microbe Conference	6-9-2022 to 6-13-2022
The American Society for Microbiology	
Worms and Lessons Learned: A Parasite’s Guide to Understanding Type-2	
Immunity	9-26-2022
LSUHSC Department of Microbiology, Immunology and Parasitology	
Fracture Related Infections: My Toolbox and Wishlist	10-10-2022
LSUHSC Department of Microbiology, Immunology and Parasitology	
Invasins and Toxins are Responsible for Mucormycosis Angioinvasion and	
Necrosis	11-7-2022
LSUHSC Department of Microbiology, Immunology and Parasitology	
Role of OMICS in Basic and Translational Research	2-13-2023
LSUHSC Department of Microbiology, Immunology and Parasitology	
NAVBO Vasculata Conference	7-17-2023 to 7-20-2023
North American Vascular Biology Organization	