

COURSE DIRECTOR/FACULTY TEACHING BIOGRAPHICAL SKETCH

Follow this format for all faculty course directors (For courses directed by program leadership use the Program Directors/Co-Directors or other Program Leadership form).

DO NOT EXCEED FOUR PAGES

NAME: Lianna Paul, MGC, CGC

INSTITUTION POSITION TITLE: Data Scientist Assistant I

GRADUATE PROGRAM POSITION TITLE: Course Director

EDUCATION/TRAINING: (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Duquesne University, Pittsburgh, PA	Bachelor of Science	05/2016	Major: Biology Minors: Biochemistry, English
Vanderbilt University, Nashville, TN	Master of Genetic Counseling	05/2024	Genetic Counseling

A. Course Title(s): GC6500 Foundations of Genetics and Genomics

B. Please provide a brief statement of expertise and/or skill set that you offer for students taking the course(s) you are responsible for teaching (Standard A2.5.2).

Prior to beginning my role as course director for Vanderbilt’s genetic counseling program, I have gained experience teaching as a graduate teaching assistant (TA) and guest lecturer. As a TA, I led review sessions for the midterm, final, pedigree analysis, and Bayes calculations and lectured on ethical principles of newborn screening. I also participated in the administrative and organizational aspects of teaching, including email correspondences with lecturers, updating the course webpage, grading, and in-person technical support. As an employee at Vanderbilt University Medical Center (VUMC), I have guest lectured on polygenic risk scores (PRS) for Foundations of Genetics and Genomics and on thoughts and tips for the genetic counseling board examination for Professional Issues 2.

As a research genetic counselor, I have expertise in explaining course topics like gene structure and function, complex and multifactorial inheritance, and PRS. Additionally, my involvement with studies in population genetics, genetic diagnosis, and variable clinical presentation can lend real-world context and examples to these course topics.

I look forward to bringing my experiences as a past student and TA and current employee to the classroom to continue to improve the program and support our students’ learning.

C. Positions, certification, and honors (include dates):

I. Positions and employment:

- 07/2025-present | Data Scientist Assistant I/Fellowship in Genomics Outcomes Research (FIGOR) Scholar
- 08/2024-06/2025 | Data Scientist Assistant I/Advanced Research Training for Genetic Counselors (ART-GC) Scholar

II. Certification (please include specific field):

- 09/2024-present | Licensed Genetic Counselor, Tennessee Board of Medical Examiners
- 08/2024-present | Certified Genetic Counselor, American Board of Genetic Counseling

D. Please list your Teaching/Mentorship/Clinical Supervision/Leadership Activities. (within the last 5 years):

Fall 2023	Graduate Teaching Assistant, GC6500 Foundations of Genetics and Genomics Vanderbilt University Master of Genetic Counseling Program
Fall 2024	Guest Lecturer, GC6500 Foundations of Genetics and Genomics Vanderbilt University Master of Genetic Counseling Program
Fall 2024-present	Progress and Promotions Committee Member Vanderbilt University Master of Genetic Counseling Program
Spring 2025	Guest Lecturer, GC7015 Professional Issues 2 Vanderbilt University Master of Genetic Counseling Program
Fall 2025	Course Director, GC6500 Foundations of Genetics and Genomics Vanderbilt University Master of Genetic Counseling Program
Fall 2025-present	Center for Experiential Learning and Assessment (CELA) Supervisor Vanderbilt University Master of Genetic Counseling Program

E. Professional Activities (Within the last 5 years):

2023-present	Member, National Society of Genetic Counselors (NSGC)
2024-present	Member, Tennessee Genetic Counselors Association (TNGCA)

F. Research, funded grants and/or scholastic endeavors including accepted abstracts and other publications (Please only include accomplishments from the last 5 years):

Research Training

08/2024-06/2025	Advanced Research Training for Genetic Counselors (ART-GC) Vanderbilt University/University of Pennsylvania
07/2025-present	Fellowship in Genomics Outcomes Research (FIGOR) Vanderbilt University

Research Posters and Presentations

Paul, L; Savatt, J; Azzariti, D; Rehm, H; Rooney Riggs, E; Lese Martin, C. *Genetic Updates Returned by GenomeConnect, the ClinGen Patient Registry: a Pilot Study of Participant Experience*. American College of Medical Genetics and Genomics, March 2022. Platform Presentation.

Paul, L; Savatt, J; Good, M; Heidlebaugh; Azzariti, D; Jae, D; Ledbetter, D; McLarney, B; Rehm, H; Rooney Riggs, E; Lese Martin, C. *Addressing barriers to patient data sharing: Exploring the effects of employing electronic consent to obtain genetic testing records through ClinGen's Patient Data Sharing Program*. American Society of Human Genetics,

October 2021. Poster.

Bingaman, T; Paul, L; Good, M; Heidlebaugh, A; Sheedy Smith, R; Palen, E; Wain, K. *The Impact of Utilizing Genetic Counseling Assistants for Exome Sequencing Re-analysis in a Neurodevelopmental Medicine Clinical Setting*. National Society of Genetic Counselors, September 2021. Poster Presentation and Lightning Talk.

Savatt, J; Paul, L; Smith, R; Kasparson Walsh, L; Wain K; Azzariti, D; Ledbetter, D; Rehm, H; Taylor, C; Rooney Riggs, E; Lese Martin, C. *Expanding Patient Data Sharing: ClinGen's Partnership with Simons Searchlight to submit Patient-Provided Genetic and Health Information to ClinVar*. American College of Molecular Genetics, March 2021. Platform Presentation.