

COURSE DIRECTOR/FACULTY TEACHING BIOGRAPHICAL SKETCH

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NAME: **Mackenzie Mosera, MAT MS MPH LCGC**

INSTITUTION POSITION TITLE: **Assistant in Pediatrics, Division of Genetics & Genomic Medicine**

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. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
The College of New Jersey, Ewing, NJ	BS	05/2015	Biology / Deaf Education
The College of New Jersey, Ewing, NJ	MAT	05/2016	Deaf Education
University of Michigan, Ann Arbor, MI	MS	05/2019	Genetic Counseling
University of Michigan, Ann Arbor, MI	MPH	05/2019	Health Behavior & Health Education

A. Course Title: Human Development, Genomics in Public Health, Integrated Case,

B. Personal Statement (Brief statement of expertise and/or skill set that you offer for students taking the course(s) you are responsible for teaching):

My primary clinical role focuses on working with patients with a wide range of conditions and genetic risk factors in a pediatric and general genetics setting. Given my background as an elementary school science teacher for children who are d/Deaf and/or hard of hearing, I am passionate about those impacted by hearing loss and the d/Deaf communities and focus some of my clinical and teaching efforts there. I also spend some of my clinical and research effort working with a Pulmonary Fibrosis research team here at Vanderbilt where I am involved in the return of research results and counseling for this complex disorder. I work with a small team of other genetic counselors on a test utilization management project and am passionate about the integration and expansion of genetics into the healthcare system on a larger scale. My professional interests include improving access to genetic services, interprofessional education, pediatric sensory and neurodevelopmental disorders and public health.

C. Positions, Certification, and Honors (include dates):

i. Positions and Employment:

9/2019 – Present Assistant in Pediatric Genetics & Genomic Medicine, Division of Pediatrics
Vanderbilt University Medical Center, Nashville TN

8/2016 – 5/2019 Genetic Counseling Program Assistant, UMGCP, Ann Arbor, MI

9/2017 – 5/2018 Graduate Student Instructor, Honors Program, University of Michigan, Ann Arbor, MI

9/2015 – 6/2016 Elementary Science Teacher, Pennsylvania School for the Deaf, Philadelphia PA

ii. Certification:

8/2019 – Present Certified Genetic Counselor, American Board of Genetic Counseling

8/2019 – Present Licensed Genetic Counselor, Tennessee # 313

5/2015 – 5/2016 Sign Language Proficiency Certification (SLPI – Proficient)

5/2015 – 5/2016 Elementary School Teacher (K-6) Certification, State of New Jersey

5/2015 – 5/2016 Deaf or Hard of Hearing ASL & Oral Communication Education K-12, State of New Jersey

iii. Honors:

1/2019 – 6/2019 Fellow, Public Health Genetics & Precision Medicine Fellowship, Public Health SIG, NSGC

9/2018 – 5/2019 Genetic Counseling Trainee, LEND, Michigan Developmental Disabilities Institute

D. Contributions to Teaching and Mentorship:

- i. Please list any training/education you have had in course development and learning assessment, teaching, and leadership (i.e., courses, workshops, certificate programs). If you teach an online course(s) include any related training/education:

3/2020	Genetic Counselor Supervisor Training, NSGC
2019 – Present	Master of Genetic Counseling Faculty Meetings, VU MGC Program
2019 – Present	Integrated Case Development, VU MGC Program
2013-2016	Masters of Arts in Teaching, The College of New Jersey

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

Teaching

2/26/2020	Guest Lecture to Pathology of Hearing Loss, Doctorate of Audiology Program, Vanderbilt University
2/13/2020	Guest Lecture to Medical Genetics II, Master Genetic Counseling Program, Vanderbilt University
10/30/2019	Guest Lecture to Human Development, Master Genetic Counseling Program, Vanderbilt University
4/2018 – 4/2019	Guest Lecture to NURS 459: Nursing Care of Patients with Complex Needs II, University of Michigan
1/2018 – 4/2018	Graduate Student Instructor for BIO172: Intro Bio (MCDB), University of Michigan
8/2017 – 12/2017	Graduate Student Instructor for HON232: Biology & Society, University of Michigan
11/2017	Guest Lecture to HON232: Biology & Society, University of Michigan

Clinical Supervision

1/2020	Clinical Supervisor, Vanderbilt University Master of Genetic Counseling Program
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Mentorship

2/2020	Topics Presentation Mentor for VU MGC Student
10/2019	Topics Presentation Mentor for VU MGC Student
9/2019 – Present	Near Peer Mentorship Program, Vanderbilt University Master of Genetic Counseling Program

Leadership

8/2018 – 5/2019	Co-Founder, Michigan Genetic Counseling & Public Health Dual Degree Journal Club
1/2019 – 5/2019	Student Admissions Representative, Michigan Genetic Counseling Program

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

9/2019 – Present	Member, Tennessee Genetic Counselors Association
8/2018 – Present	Member, National Society of Genetic Counselors Special Interest Groups: Pediatrics, Ophthalmology & Hearing Loss, Public Health

F. Research, Funded Grants and/or Scholastic Endeavors: (Please only include accomplishments from the past 5 years):

Publications

McClung, DJ., Calixto A, Mosera, MN, et al. Novel heterologous bacterial system reveals enhanced susceptibility to DNA damage mediated by yqgF, a nearly ubiquitous and often essential gene. *Microbiology*. doi: 10.1099/mic.0.000355 (2016)

Posters

“Facing the Facts: Alternative Genetic Health Service Delivery Settings May Not Be Preferred by Patients”

Mosera, M., Yashar, B., McKee, M., Palmer, C. National Society of Genetic Counselors Annual Education Conference (2019)

“Bridging the Genetic Care Gap Between the Deaf & Hearing: A Study of Genetic Service Accessibility for the Deaf Community”

Mosera, M., Palmer, C., McKee, M., Yashar, B. National Society of Genetic Counselors Annual Education Conference (2019)

“Setting the Stage for PROACTIVE & Stepping Towards Public Health Genetics & Genomics in Cancer Treatment & Prevention”
University of Michigan Department of Health Behavior & Health Education Summer Internship Poster Session (October 2018)