

COURSE DIRECTOR/FACULTY TEACHING BIOGRAPHICAL SKETCH

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NAME: Laura Duncan

INSTITUTION POSITION TITLE: Associate in Pediatrics

GRADUATE PROGRAM POSITION TITLE: Course Director, Clinical Supervisor, Academic Advisor, Thesis Advisor

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Florida, Gainesville, Florida	BS	5/2010	Microbiology and Cell Sciences
University of Cincinnati, Cincinnati, OH	MS	6/2012	Medical Genetics

A. Course Title(s):

- GC 6500: Foundations of Genetics and Genomics
- GC 6520: Laboratory Diagnostics in Medical Genetics, and

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.

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. I work with patients at all stages on their diagnostic odyssey and help provide long-term care with an interprofessional team. Most cases seen in my clinics and with other professional offers a unique insight into the genetics experience. Along with clinic, I work in various settings including test utilization management with the laboratory, education through the Leadership and Education in Neurodevelopmental Disabilities (LEND) program, and administrative serving as a leader within our division for protocols, processes, and organization. In addition, I worked for a year and half to launch our institutional Clinical Genomics Laboratory. I have also worked towards increasing the awareness of genetic counselors throughout the institution by creating a network with providers of different specialties. Each of these roles provides opportunities to work with professionals outside of genetic counseling to further the field of genetic counseling at a large academic medical center and beyond.

These roles have allowed me to excel at the PBCs linked to Foundations and Lab Diagnostics. To continue to grow my teaching skills, I have completed the Becoming an Effective Teacher Lecture Series hosted by the program as well as the Becoming a Better Education Lecture Series hosted by the Department of Pediatrics each summer. Supervisor trainings are offered yearly by the program to help develop my clinical supervisory skills.

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

I. Positions and employment:

- University of Florida, Genetic Counselor, 06/2012-06/2014
- Vanderbilt University Medical Center, Associate in Pediatrics, 07/2014-Present

II. Certification (please include specific field)

- Tennessee Licensed Genetic Counselor, #87, 09/2014-Present
- Certified Genetic Counselor, American Board of Genetic Counseling, 02/2014-Present

III. Honors:

- Outstanding Supervisor as nominated by Vanderbilt Master of Genetic Counseling Program (MGCP) c/o 2022

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

Committees

- Vanderbilt MGCP Advisory Board, *May 2017-Present*
- Vanderbilt MGCP Curriculum Development Committee, *May 2017-May 2019*
- National Society of Genetic Counselors Leadership Evaluation Committee, *June 2018-July 2018*
- Vanderbilt MGCP Admissions Committee, *August 2018-Present*
- Vanderbilt MGCP Progress and Promotions Committee, *August 2019-Present*

Mentorship

- Vanderbilt MGCP Academic Advisor, *August 2019-Present*
- Mentorship for Pediatric Genetic Counseling team, *July 2019-Present*
- Mentorship committee for Pathology, Microbiology, and Immunology Genetic counselor, *April 2022-Present*
- Thesis advisor, *Sept 2020- Present*

Genetics Resident Activities:

- Advisory Board, *July 2018-present*
- Combined Pediatrics/Genetics Resident rotation coordinator, *July 2018-December 2020*
- Invited Lecturer: Explaining Difficult Concepts, *December 2018*, Introduction to Databases, *December 2018*, Orientation to Pedigree Drawing and Databases, *July 2021*

Non-MGCP Graduate Level Education:

- Practical Genetics for Primary Care Nurse Practitioners (NP), *November 2016 and February 2017*
- Audiology Lectures, *July and August 2016 and 2017*
- Translating complex science into family friendly, *January 2019*, Master of Science in Clinical Investigation Course
- Genetics for the Physical Therapist: Overview and Testing and Clinical Applications, *March/April 2022*

MGCP Education:

Course Director

- GC 7210 Clinical Pre-Practicum, *Fall 2019* -Including lectures and role play development through Center for Experiential Learning and Assessment
- GC 6500: Foundations of Genetics and Genomics (Previously Medical Genetics I), *Fall 2019, 2020, 2021*
- GC 6520: Laboratory Diagnostics in Medical Genetics, *Spring 2020, 2021, 20220*
- Intermediate Trainee Curriculum co-lead Leadership and Education in Neurodevelopmental Disabilities

Related Lectures

- GC 6500: Cytogenetics and Molecular Variant Databases; Clinical Application of Ethical Principles; Pedigrees; Hardy-Weinberg; Clinical Application: Treatment and Management of genetic conditions
- GC: 6520: Test Utilization; Variant Interpretation

Clinical Education

- Lead Supervisor for MGCP Laboratory Rotation, *January 2020-September 2020, June 2021-August 2021*
- Supervisor for MGCP Pediatric and Specialty Rotations, *January 2020-Present*

Research Advising

- Emily Franciskato, Pediatric Genetic Counseling Models- Assessment of Practice, Manuscript draft Phase, class of 2022 student in MGCP, *September 2020-May 2021*
- Tielle Gallion, Perspectives of Autistic Adults regarding Genetic Testing, Planning Phase, class of 2023 student in MGCP, *September 2021-Present*

Continuing Professional Education:

- Genetics for the Developmental Practitioner, *February 2018 and 2019*, Division of Developmental Medicine Residency Program, VUMC
- Navigating the Complicated Health Care System, *February 2018*, Interprofessional Course on Developmental Disabilities in Pediatrics (including Congenital Zika)
- Genetics for the Neurology Practitioner, *August 2018*, Division of Pediatric Neurology, VUMC
- Journal Club, "Encouraging active conversation with the older child and adolescent", *August 2018*, Division of Genetics and Genomic Medicine, VUMC
- Genetics for the Developmental Practitioner, *February 2019*, Division of Developmental Medicine, VUMC
- HDSA Genetic Testing Protocol, *February 2020*, VUMC Huntington Disease Center of Excellence Southeast Symposium
- Pediatric Genetic Counseling Model- Is it time for an upgrade?, *November 2020*, NSGC Annual Education Conference (AEC)
 - Educational Breakout Session Planner and Presenter
- How and why to engage family led organizations as providers of informal support for your patients: the value of shared experience, *November 2020*, NSGC AEC
 - Educational Breakout Session Presenter
- Journal Club, "Not just carriers: experiences of X-linked female heterozygotes", *Sept 2021*, Division of Genetics and Genomic Medicine, VUMC

Community Education:

- Genetics Concepts, *August 2018*, Family Disease Day (Anabaptist Community), Institute for Rural Health, Kentucky
- Genetic Testing and Counseling Considerations, *September 2020*, Muscular Dystrophy Association Engage Seminar
- Genetics and genetic considerations for Frontotemporal Dementia (FTLD), *December 2021*, FTLD Nashville Care Partner Support Group
- What to know before going through genetic testing?, *March 2022*, HD Youth Organization International Congress

Other Significant Activities:

- Nominated for Vanderbilt Genetics Institute Excellence in Mentoring award, *Fall 2020*
- ACE Program head for Genetics and Genomic Medicine, *2014-2020*
- Coordinate second and fourth year medical students, *2014-2020*
- Coordinate residents and fellows, *2014-2020*

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

Trainings

- Becoming an Effective Teacher Lecture Series, *August 2018*

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

- ***ALLFTD: ARTEL-LEFFTDS Longitudinal Frontotemporal Lobar Degeneration***, VUMC, May 2021-Present
 - Key Study Personnel for national study investigating FTLD
 - Research consent and clinical testing decision facilitation and coordination
 - Pre- and post-test counseling