



ACGC Program Director/Co-Director Biosketch Format (Approved by BOD: January 2024)

GC Program Director/Co-Director BIOGRAPHICAL SKETCH

Follow this form only for Program Directors/Co-Directors (other leaders should use a separate biosketch form)

DO NOT EXCEED FOUR PAGES

NAME: Martha Dudek, MS CGC

INSTITUTION POSITION TITLE: Associate Professor

GC GRADUATE PROGRAM POSITION TITLE: Program Director

EDUCATION/TRAINING: (Begin with baccalaureate or other initial professional education. Note: all Program Directors/Co-Directors must have a master’s degree in the discipline of genetic counseling)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Washington University, St. Louis, MO	BA	06/1993	Biology
University of Cincinnati, Cincinnati, OH	MS	06/1996	Genetic Counseling

A. Please indicate how you meet all qualifications for the Program Director/Co-Director position (Standard A.2.2.2). Be certain to address how (A2.2.2d) you have at least five years of experience as a certified genetic counselor with a minimum of three of which must be in a patient-facing role (clinic or research); (A2.2.2e)8a- have been the course instructor/instructor of record for at least six credit hours of post-secondary education; (A2.2.2f) will be available for program administration year-round; (A2.2.2g) have or will complete two hours per year of continuing training/coursework in curriculum design, assessment, evaluation, or educational andragogy; (A2.2.2h) If becoming a program director for the first time, please also address how you have completed at least 10 hours of training/coursework in curriculum design, assessment, evaluation, or educational andragogy, within the last 10 years; and (A2.2.2i) how you have provided fieldwork supervision for at least five genetic counseling graduate students for a minimum of 500 total contact hours in the last 10 years.

I am an Associate Professor in the Department Obstetrics and Gynecology, Director of Obstetrical Genetic Counseling and Founding Director of the Vanderbilt University Master of Genetic Counseling degree program. I am a board-certified and licensed genetic counselor with over 25 years of experience. My primary responsible were patient facing from 1996-2018 in the areas of reproductive genetics, fetal abnormalities, and pediatrics. (Standard A2.2.2d) I am involved in medical genetics education for learners at all levels in the Vanderbilt University School of Medicine (VUSM) and mentor genetic counseling faculty and graduate students. My primary research interests include the role of

genetic counselors in health care delivery and improving access to genetic services. I am also interested in identifying and addressing psychosocial needs of patients seeking genetic counseling. In the last five years, I have pivoted from a clinical focus to an education role with significant effort towards mentorship of genetic counselor learners and faculty. I strive to engage the learner at their level and walk with them as they discover new skills and knowledge in a challenging, inspiring learning environment. Leading a degree program has introduced me to new, unexpected challenges. I pause more and seek creative answers from my faculty and students. Together we find the best solutions. As an educator and clinician, I am strongly committed to teaching and mentoring while promoting an inclusive, safe, and supportive learning environments for all individuals. I have sought opportunities to examine my own biases and explore ways to foster a more inclusive environment in the classroom and clinical care. I am committed to improving diversity in medicine especially in the field of genetic counseling.

Ongoing and recently completed projects include:

Since 2016 I have orchestrated the creation of the Master of Genetic Counseling (MGC) degree program at Vanderbilt. The MGC was accredited in 2019 and will admit its fourth class in the fall of 2022. All students (11) in the first two classes have graduated on schedule. All had multiple job offers with 100% employment within 1 month of graduation. All students complete an original research thesis as part of their master's degree and VUMC MGC students have presented at meetings and have authored publications. The highlights of my role in this process include:

- Authored the New Program Application for the VUSM Master of Genetic Counseling from the Accreditation Council for Genetic Counselors
- Designed and implemented 60 credit hours of classroom and experiential learning
- Lead professional development of the 15 founding faculty members and worked to grow and on-board 10 new faculty.
- Authored the ACGC application for Full Accreditation with application due in July 2022 and ACGC Site visit in September 2022

Prior to my appointment as Program Director, I had experience in course instruction and clinical supervision. I was on faculty with the University of Texas Health Science Center genetic counselling program from 1996-2001. I served as a course instructor for Vanderbilt University Freshman Seminar 2015-2018 and served as a small group facilitator for medical student education since 2018. (*Standard A2.2.2e*). I work year-around (*meting Standard A2.2.2f*) and have completed at least two hours per year of coursework in curriculum design, assessment, evaluation, or educational andragogy through the offering through Vanderbilt University Center for teaching, VUSM Academy of Excellence in Education and the Association for Genetic counseling Program directors. (*Standard A2.2.2g*)

Prior to the enrollment of our first class as a program director, I completed 28 hours at the Harvard Medical School Course, "Principles of Medical Education: Maximizing Your Teaching Skills" Boston, MA. This extensive course in April 2018 included instruction in curriculum design, assessment, evaluation, or educational andragogy. (*Standard A2.2.2h*) Between 2018 and 2008, I served as the lead supervisor for 14 genetic counseling students for more than 500 total contact hours. (*Standard A2.2.2i*)

B. Please document training, workshops or other experiences related to:

(A2.2.2j) *Leadership, professional development, management, mentoring, academic advising, and andragogy including training in course development, learning assessment, teaching and leadership, and diversity, equity, inclusion, and justice. If you will be asked to teach an online course, please list completed training and/or education related to distance learning.*

2016- present *Attended Association of Genetic Counseling Program Directors Educational Conferences*
 2016-present *Consultation and utilization of resources at Vanderbilt in effective teaching, clinical assessment and curriculum development including VUSM Educator Development Core, Center for Teaching, Center for Experiential Learning and Assessment, Center for*

Professional Health.

- 2018- present *Selected Seminars in the summers of Becoming a Better Educator Series, VUMC Department of Pediatrics.*
- 2019- present *Selected Seminars at VUSM presented by the Academy of Excellence in Education*
- 2021, October *Culturally Engaged Supervision, University of Cincinnati*
- 2020, May *Vanderbilt University Center for Teaching Online Design Course*
- 2018, April 4-8 *Harvard Medical School Course, "Principles of Medical Education: Maximizing Your Teaching Skills" Boston, MA*

C. Please outline the proposed program leadership Full Time Equivalents (FTEs) and list the number of students in each cohort over the next 3 years. (Standard A2.4.1)

In my 26 years of experience as a genetic counselor, I have served in a variety of roles and responsibilities which have provided me the experience to meet Standard A2.2.3 including:

- Authored the application for ACGC New Program and Board of Directors approval at Vanderbilt for a new degree program.
- Built a Reproductive Genetics Genetic Counseling Service at Vanderbilt University Medical Center
- Lead the effort to License Genetic Counseling in Tennessee
- Lead the creation of the VUMC Down syndrome clinic.
- Mentored Genetic Counseling students and faculty for over two decades.

Through these experiences I have developed excellent organizational, leadership, mentoring and planning skills which have allowed me to be successful in my faculty and leadership roles.

D. Please list course title(s) that you will teach: (if you will not teach courses, please write NA)

- I. Please include a brief statement of expertise and/or skill set that you offer for students taking the course(s) you are responsible for teaching:*

<i>Course Director, GC6010 Introduction to Genetic Counseling (3 credits)</i>	<i>Fall 2019-</i>
<i>2022 Course Director, GC6510 Medical Genetics 1 (3 credits)</i>	<i>Fall 2019</i>
<i>Course Director, GC7510 Pre-practicum (2 credits)</i>	<i>Fall 2020- 2022</i>
<i>Course Director, GC7010 & 7015 Professional Issues 1 & 2 (1 credit each)</i>	<i>2020-2022</i>
<i>Course Director, GC7500 Topics in Clinical Genetics and Genomics (1 credit each)</i>	<i>2020-2021</i>
<i>Course Director, GC6020 Applied Genetic Counseling Theory (2 credits)</i>	<i>Summer 2021-</i>
<i>2022 Course Director, GC6030 Advanced Genetic Counseling (3 credits)</i>	<i>Fall 2020-2021</i>

- 1. Please include a brief statement of expertise and/or skill set that you offer for students taking the course(s) you are responsible for teaching:*

I have 26 years of experience as a genetic counselor who has pursued continuing education and professional development skills in clinical care, teaching, mentoring and supervision.

E. Positions, board certification, and honors (include dates):

- I. Positions and employment:*

- 10/2018-present Assistant Professor, Department of Obstetrics and Gynecology, Division of Maternal-Fetal Medicine Vanderbilt University Medical Center, Nashville, TN*
- 2/2018- present Founding Program Director, Master of Genetic Counseling Program, Vanderbilt*

University School of Medicine, Nashville, TN

3/2015-present Director of Obstetrical Genetic Counseling, Department of Obstetrics and Gynecology, Vanderbilt University Medical Center, Nashville, TN

1/2017-1/2018 Interim Director, Master of Genetic Counseling, Vanderbilt University, Nashville, TN

3/2012- 9/2018 Senior Associate in Department of Obstetrics and Gynecology, Division of Maternal-Fetal Medicine Vanderbilt University Medical Center, Nashville, TN

7/2006-2/2012 Associate in Obstetrics and Gynecology, Vanderbilt University Medical Center, Nashville, TN

2/2001-6/2006 Associate in Pediatrics, Division of Medical Genetics Vanderbilt University Medical Center, Nashville, TN

2000-2001 Clinical Instructor, Department of Obstetrics, Gynecology and Reproductive Sciences University of Texas-Houston Health Science Center, Houston, TX

1996-2001 Clinical Supervisor, University of Texas- Houston Health Science Center, Houston, TX

1996-2001 Core Planning Committee Member, Genetic Counseling Program University of Texas- Houston Health Science Center, Houston, TX

1994-1995 Teaching Assistant, Department of Biology, University of Cincinnati, Cincinnati, OH

II. Board certification:

2008- present Tennessee Licensed Genetic Counselor, #00000001

1999- present Diplomat, American Board of Genetic Counselors

III. Honors:

2020 Excellence in Classroom Teaching, Vanderbilt Genetics Institute

2020 Inducted into the Vanderbilt University School of Medicine, Academy for Excellence in Education

2020 Jacek Hawiger, M.D. Ph.D. Award for Teaching Graduate Students and Postdoctoral Fellows in the Classroom, Lecture, or Small Group Setting, Vanderbilt University

1998 Best Full Member Poster at the AEC, NSGC

F. Professional activities (Within the last 5 years):

2001- present ABGC/ACGC Site visitor

2019 -present Association Genetic Counseling Program Directors, Education Committee

2019-2021 President, Tennessee Genetic Counseling Association

2018-2019 American Board of Genetic Counselors, Marketing Committee

2014-2017 NSGC Education Conference Abstract Review Committee

2017 American Board of Genetic Counselors, Nominating Committee

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

Vanderbilt University Medical Center, Department of Surgery AHRQ R01
HS021496-01A1 Key Study Personnel (5% FTE)

Prospective research project to investigate the characteristics, health information needs, and information management practices of pregnant women and their caregivers with the goal of informing the design of health information technologies.

Award Total: \$1,553,906

Project Period : 08/01/2013-07/31/2018

Book chapter

Dudek, M. and Carter, R. (2019). *Difficulty in Predicting Survival: Genetics and Genetic Counseling*. In: *Handbook of Perinatal and Neonatal Palliative Care: a guide for nurses, physicians and other health care professionals* (p173-188). Springer Publisher

Peer reviewed articles

Mann C, Goodhue B, Guillard A, Slamon J, Newman R, Zhao Z, Ding T, Petrelli G, **Dudek M.** The COVID-19 pandemic and reproductive genetic counseling: Changes in access and service delivery at an academic medical center in the United States. *J Genet Couns.* 2021 Aug;30(4):958-968. doi: 10.1002/jgc4.1462. Epub 2021 Jul 5. PMID: 34224635; PMCID: PMC8426661.

Accepted abstracts

Slamon J, Guillard A, Mann C, Goodhue B, Dudek M, Lenker R. "Beyond termination: Outcomes of high-risk cell-free DNA screening in the southeast US". 26th International Conference on Prenatal Diagnosis and Therapy, Montreal, Quebec, Canada. June 2022.

Goodhue, B., Denton, J., Newman, R., Slamon, J., **Dudek, M.**, Grabaritz, C. "The Effect of an Educational Video on Knowledge and Intent in an OB/GYN Population," Presented at the 2019 National Society of Genetic Counselor, Annual Educational Conference, Salt Lake City, Utah. November 2019.

Slamon, J., Newman, R., Grabaritz, C., **Dudek, M.**, Newton, J. "Prenatal Diagnosis of a 22q11.2 Duplication in Patient with Previous Child with 22q11.2 Deletion Syndrome." Presented at the 2019 Annual American College of Medical Genetics and Genomics Conference. April 2019.

Newman, R., Grabartiz, C., **Dudek, M.**, Slamon, J. "Continuation or Termination: Pregnancy Decisions in the Setting of High-Risk Cell-free Fetal DNA Screening in the Southeast U.S." Presented at the 2018 Annual Clinical Genetics Meeting, Charlotte, NC.