

ACGC Course Director Biosketch Format (Approved by BOD: January 2024)

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**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).

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**DO NOT EXCEED FOUR PAGES**

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**NAME:** Janet Talbert

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**INSTITUTION POSITION TITLE:** Genetic Counselor, Senior Associate in Pediatrics, Division of Genetics and Genomic Medicine

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**GRADUATE PROGRAM POSITION TITLE:** Faculty, Co-Course Director

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**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
Tennessee Technological University, Cookeville, TN	BS	05/1997	Microbiology and Chemistry
University of Colorado Medical Campus	MS	05/2007	Biophysics and Genetics/Genetic Counseling

**A. Course Title(s):** Laboratory Science in Medical Genetics, GC 6520, Spring Semester

**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).** *If you will be asked to teach an online course, please list completed training and/or education related to distance learning. In addition, please include a description of your knowledge and content expertise related to genetic counselor specific education. Please describe training or experiences which have supported the development of your teaching skills. Please describe any future plan for obtaining training to support the ongoing development of teaching skills).*

I have 17 years of experience as a Genetic Counselor and in that time I have held several different positions, many with a lab component. I have mainly worked in and reviewed the NextGen Sequencing setting of lab reports as a clinical genetic counselor. During my years at National Jewish Health in Denver, CO, I worked as the Genetic Services Manager where one of my many roles was in the Molecular Diagnostic Laboratory. There, I oversaw clinical genetic test development (both NGS and SNP-based), variant interpretation and report writing, and as provider-to-provider liaison. At Vanderbilt University Medical Center, I currently provide genetic test interpretation of variants utilizing bioinformatic and phenotyping tools and genetic test order consultations via electronic consults (econsults) for nongenetic providers across the institution. These services have been well-received by our nongenetic providers in helping them understand their patients' results.

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

*I. Positions and employment:*

- i.* Genetic Counselor, Senior Associate in Pediatrics, Faculty MGC Program; Vanderbilt University  
01/2021-present; Nashville, TN
- ii.* Senior Genetic Counselor II, InformedDNA (remote position)  
12/2015-12/2020; Centennial, CO

- iii. Advisor, Genetic Counselor, Director of FPF GC Program;  
02/2008-12/2020
  - iv. National Jewish Health, Denver CO
  - v. Genetic Counselor, Instructor; University of Colorado Hereditary Cancer Clinic; Aurora, CO  
12/2014-12/2015
  - vi. Genetic Services Manager, National Jewish Health; Denver, CO  
07/2012-12/2014
  - vii. Genetic Counselor, National Jewish Health  
02/2008-07/2012
  - viii. Clinical Research Coordinator, National Jewish Health; Denver, CO  
08/2003-02/2008
  - ix. Professional Research Assistant, University of CO; Denver, CO  
11/2000-08/2003
  - x. Senior Paternity Analyst/Technician; MicroDiagnostics, Inc; Nashville, TN  
10/1997-05/2000
- II. *Certification (please include specific field)*  
Diplomate, American Board of Genetic Counseling, Certified Genetic Counselor 08/2009-present  
Tennessee Genetic Counselor Licensure #348;  
04/2020 to present
- III. *Honors:*  
2021 Recipient of the John W. Walsh Public Advisory Roundtable (PAR) Award for Excellence by the American Thoracic Society (ATS)

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

- 2024 Co-Course Director, Laboratory Science in Medical Genetics, Spring Semester, Vanderbilt MGC Program
- 2023 Invited speaker for VA Commonwealth Univ MGC program for Pulmonary Genetics lecture
- 2023 Invited speaker for Pulmonary Fibrosis Foundation Disease Education Webinar Series
- 2023 Invited speaker for Podcast Series on Pulmonary Fibrosis by Wescoe Foundation
- 2023 Invited Faculty Speaker for American Thoracic Society's International Conference
- 2023 Co-Course Director, Research for Genetic Counselors II, Vanderbilt MGC Program
- 2022 Co-Course Director, Research for Genetic Counselors II, Vanderbilt MGC Program
- 2021-present Invited Lecturer in numerous interprofessional intercampus settings for Genetics/Genetic Counseling
- 2022-2023 Thesis Advisor for 2023 Master of Genetic Counseling student
- 2022-present Research Review Committee Member (serve as mentor on thesis committees and monthly meetings)
- 2021-present Present Genetic Econsult Services at various Departmental/Division meetings
- 2019-present Pulmonary Fibrosis Foundation Healthcare Ambassador Speaker for national symposiums, Grand Rounds, Patient Support Groups
- 2019-present Invited Faculty speaker to Pulmonary Fibrosis Foundations' Biannual Summit (odd years)

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

- I. Manuscript Reviewer: European Respiratory Journal December 2023; "A test to comprehensively capture the known genetic component of familial pulmonary fibrosis" PMID: 38363828 (2024)
- II. "The Role of Telomere Biology Disorders in PF and How to Get Tested" Pulmonary Fibrosis Foundation Biannual Summit Faculty speaker; November 2023

- III.
- IV. “The Here and Now of ILD Genetics” Invited Speaker for panel on The Genetics of Interstitial Lung Disease: Current State and Future Promise at the American Thoracic Society Annual conference: Washington D.C. May 2023
- V. Familial Pulmonary Fibrosis Working Group, Pulmonary Fibrosis Foundation, Nov 2023-present
- VI. Pulmonary Fibrosis Foundation Volunteer Meeting September 2023 (Virtual attendance)
- VII. National Organization of Rare Disorders (NORD): Patient Education Working Group for Rare Disease Centers of Excellence Program to address unmet needs in rare diseases to define critical gaps in availability of patient friendly educational materials for rare diseases and develop new content. Feb 2022-Nov 2023
- VIII. Manuscript Reviewer: Pediatric Allergy, Immunology and Pulmonology, Original Research “Value of genetic testing for diagnosing idiopathic pediatric respiratory disease cases”. February 2023
- IX. “The Role of Genetic Testing in Pulmonary Fibrosis”, George P Noon Symposium, Methodist Transplant Center, Houston Methodist Hospital, Houston, TX Nov 2022 (Virtual)
- X. InformedDNA invited speaker for Continued Education Series, January 2022; Pulmonary Fibrosis and Genetics, an Update
- XI. European Respiratory Journal invited manuscript reviewer December 2021; “Genetic Testing in Interstitial Lung Disease: an International Survey” (rejected from journal)
- XII. “Genetic Evaluation in Pulmonary Fibrosis” lecturer, University of Maryland Pulmonary Grand Rounds, Baltimore, MD, March 2021 (Virtual)
- XIII. Pulmonary Fibrosis Foundation Biannual Summit Faculty speaker; November 2021; “Familial Pulmonary Fibrosis and Genetic Counseling
- XIV. American College of Chest Physicians (CHEST) annual conference Faculty Speaker; pre-recorded for Virtual conference October 2021; “Role of Genetic Counseling in ILD
- XV. NSGC Annual Education Conference attendee September 2021, Virtual
- XVI. Tennessee Genetic Counselor Association (TNGCA) 2021 Annual conference attendee August 2021
- XVII. Pulmonary Fibrosis Foundation Disease Education Webinar Series Guest Speaker August 2021; “PF Genes and Families, The Role of Genetic Counseling”.
- XVIII. 2014-2021: Presenter at multiple yearly nationwide (zoom as of 2020) Pulmonary Fibrosis support groups, clinician Grand Rounds, Keynote speaker, and national conferences on the genetics and genetic counseling of pulmonary fibrosis via the Ambassador role through the Pulmonary Fibrosis Foundation
- XIX. “Genetic Evaluation in Idiopathic Pulmonary Fibrosis” Stanford University Interstitial Lung Disease Departmental Meeting; Stanford, CA June 2020 (Virtual)
- XX. 38th Annual Conference NSGC EBS Faculty speaker 2019 and attendee
- XXI. ORCID/Orphanet manuscript reviewer, 2019 Borie et al “Pilot experience of multidisciplinary team discussion dedicated to inherited pulmonary fibrosis”
- XXII. “Pulmonary Fibrosis Genetic Counseling”, Faculty, Pulmonary Fibrosis Foundation Biennial Summit, San Antonio, TX, November 2019
- XXIII. “Beyond Cystic Fibrosis: Pulmonary Genetic Disorders in Adulthood”, NSGC Educational Breakout Session (EBS) invited faculty co-presenter, Salt Lake City, UT, November 2019
- XXIV. “Genetic Evaluation in Idiopathic Pulmonary Fibrosis, lecturer, Pulmonary Physicians Grand Rounds, UCLA, Los Angeles, CA Sept 2019
- XXV. Keynote Speaker: “Pulmonary Fibrosis: A Genetic Counselor’s Perspective”; Piedmont Hospital, Lung Disease Day, Atlanta, GA September 2019
- XXVI. Document Development Group Co-Chair, “Genetic Counseling and Genetic Testing in Interstitial Lung Disease” Pulmonary Fibrosis Foundation 2018-2022

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

- I. Program Project Grant: Mechanisms of Familial Pulmonary Fibrosis; National Institutes of Health (P01 HL092870)
- II. Garcia CK, Talbert JL. Pulmonary Fibrosis Predisposition Overview. 2005 Jan 21 [Updated 2022 May 12]. In: Adam MP, Feldman J, Mirzaa GM, et al., editors. GeneReviews® [Internet]. Seattle (WA): University of Washington, Seattle; 1993-2024. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK1230/>
- III. Genetic Testing in Pulmonary Fibrosis (For Health Care Providers). 2020, updated 8/2023 (Accessed April 19, 2024), at <https://www.pulmonaryfibrosis.org/researchers-healthcare-providers/clinical-resources/position->

- statements/genetic-testing-in-pulmonary-fibrosis-for-health-care-providers ).
- IV. Genetic Testing for Pulmonary Fibrosis Patients and Families. 2020, updated 2024. (Accessed April 19, 2024, at <https://www.pulmonaryfibrosis.org/researchers-healthcare-providers/clinical-resources/position-statements/genetic-testing-in-pulmonary-fibrosis-for-patients> ).
  - V. Newton CA, Oldham JM, Applegate C, Carmichael N, Powell K, Dilling D, Schmidt SL, Scholand MB, Armanios M, Garcia CK, Kropski J, Talbert J; Pulmonary Fibrosis Foundation Genetic Testing Work Group. The Role of Genetic Testing in Pulmonary Fibrosis: A Perspective from the Pulmonary Fibrosis Foundation Genetic Testing Work Group. *Chest*. 2022 Mar 22:S0012-3692(22)00543-8. doi: 10.1016/j.chest.2022.03.023. Epub ahead of print. PMID: 35337808.
  - VI. Bai X, Schountz T, Buckle AM, Talbert JL, Sandhaus RA, Chan ED; Alpha-1-antitrypsin antagonizes COVID-19: a review of the epidemiology, molecular mechanisms, and clinical evidence. *Biochemical Society Transactions*; Accepted May 25, 2023
  - VII. “Genetic Testing Interpretation Consult (GTIC): A Novel Electronic Health Record (EHR) Support Tool to Further Characterize Variants of Interpretation for the Nongenetic Provider to Support Their Clinical Practice” Accepted Abstract for Poster Presentation – American Society of Human Genetics (ASHG) Annual Meeting; Los Angeles, CA; October 2022
  - VIII. “Genetic Test Interpretation Econsult: A Novel Clinical Decision Support Tool to Expand Genetic Access to Nongenetic Providers and Their Patients Across an Institution”; Accepted Abstract for Poster Presentation- National Society of Genetic Counselor Annual Education Conference; Nashville, TN; November 2022
  - IX. “Uncertainty, Coping, and Genetic Assessment among Close Relatives of People with Familial Pulmonary Fibrosis” accepted abstract for virtual poster presentation to National Society of Genetic Counselors (NSGC) Annual Education Conference, Chicago, IL October 2023
  - X. “Uncertainty, Coping, and Genetic Assessment among Close Relatives of People with Familial Pulmonary Fibrosis” accepted abstract for poster presentation at the Biannual Pulmonary Fibrosis Foundation Summit 2023; Orlando, FL November 2023

