

**OTHER PROGRAM LEADERSHIP BIOGRAPHICAL SKETCH**

Follow this format for all program leaders except for the Program Directors or Co-Directors.

DO NOT EXCEED FOUR PAGES

**NAME:** Kyle W. Davis, ScM, CGC, CMPP

**INSTITUTION POSITION TITLE:** Assistant in Medicine

**GC GRADUATE PROGRAM POSITION TITLE:** Assistant Director of Fieldwork

**EDUCATION/TRAINING:** (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Note: all program leaders must have a Master's degree or beyond.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Purdue University, West Lafayette, IN	Bachelor of Arts	05/2006	Behavioral Neuroscience
NHGRI/Johns Hopkins University, Baltimore, MD	Master of Science	01/2016	Genetic Counseling

**A. Please indicate how you meet the qualifications for this leadership position (Standard A2.3.1).**

1. Include evidence that you have knowledge of and experience with the genetic counseling profession and practice and have knowledge and experience with your assigned leadership roles. Describe how you have met the minimum requirement of three years of experience in the field and the minimum requirement of at least one hour of training/coursework in DEIJ principles.

*Past Employment Experiences:*

1/2023 – Current: Vanderbilt University, Faculty, Asst. Dir. of Fieldwork  
 8/2022 – 1/2023: Ambit, Inc., Science Communications Specialist  
 11/2021 – 11/2022: Variantyx, Inc., Manager of Scientific Communications  
 2/2016 – 11/2021: Bionano Genomics Inc., Lineagen Division, Genetic Counselor

*Certifications & Licenses:*

2016 – Present: Diplomate, American Board of Genetic Counseling, #17317  
 2022 – Present: Diplomate, International Society of Medical Publishing Professionals, #6619  
 2019 – Present: Tennessee Licensed Genetic Counselor, #00000278  
 2017 – Present: California Licensed Genetic Counselor, #000838

2020 – Present	Iowa Licensed Genetic Counselor, #0086
2020 – Present	Illinois Licensed Genetic Counselor, #246-000572
2016 – Present	Massachusetts Licensed Genetic Counselor, #341
2016 – Present	Utah Licensed Genetic Counselor, #10108686-3601
2016 – Present	Washington Licensed Genetic Counselor, #60703109

*Past Position and DEI Training Experiences:*

10/2023	Identifying Microaggressions in the Educational Environment (1 hour)
8/2023	Managing DEI-related tensions in our programs, Association of Genetic Counseling Program Directors, Cincinnati, OH (1.5 hours)
8/2023	Best practices in managing student accommodations, Association of Genetic Counseling Program Directors, Cincinnati, OH (1.5 hours)
8/2023	What are we afraid of when it comes to DEI? Association of Genetic Counseling Program Directors, Cincinnati, OH (1.5 hours)
5/2023	J.E.D.I. Initiatives and Considerations for Genetic Counseling Student Lab Industry Rotations (1 hour)
11/2022	Moving Towards Action: A Case-Based Approach to Culturally Engaged Supervision, National Society of Genetic Counselors Annual Education Conference, Nashville, TN (1.5 hours)
11/2022	Platform Presentations - Genetic Counselor Training, National Society of Genetic Counselors Annual Conference, Nashville, TN (1 hour)
11/2022	Training Genetic Counseling Students Any and Everywhere: Novel Rotation Sites and Structures, National Society of Genetic Counselors Annual Conference, Nashville, TN (1 hour)

*Expected Future Training:*

Summer 2024	Attend sessions presented by Vanderbilt University School of Medicine in clinical teaching, assessment, and curriculum development from the VUSM Educator Development Core and Center for Professional Health, Online/Virtual
7/2024	Attend the Association of Genetic Counseling Program Directors Annual Conference, Online/Virtual
8/2024	Attend Annual Vanderbilt Supervisor Training, Online/Virtual
9/2024	Attend Annual National Society of Genetic Counselors Annual Conference, New Orleans, LA

**B. Please include a brief statement of expertise, experience and/or skill set(s) that will help you complete the responsibilities of this leadership position (Standard A2.3.2 and in collaboration with the PD Standard A2.1.1).**

I am a board-certified genetic counselor with over eight years of experience. In my eight years, I have supervised multiple students in the laboratory setting at both Bionano Genomics and Variantyx, mentored genetic counseling students, and worked with many prospective students. I served as a genetic counseling new student mentor for both the Boise State University and University of Utah genetic counseling programs. Additionally, I have trained and mentored new genetic counselor graduates in their first professional positions. Lastly, I have worked cross-functionally with many genetic counselors in different positions, which will serve as a foundation to work with practicing genetic counselors while coordinating student rotations. Past and future training experiences aligned with Standard A2.1.1 (see above).

**C. What is the anticipated Full Time Equivalents (FTEs) of this position?**

*I. In addition, 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 will be asked to teach an online course, please list completed training and/or education related to distance learning.

0.6-0.7 FTE

**F. Positions, board certification, and honors** (include dates) *Note: Program leaders should have professional board certification in their specific field, if available and applicable. They must also have a minimum of three years of experience in the field.*

*I. Positions and employment:*

- 1/2023 – Current: Vanderbilt University, Faculty, Asst. Dir. of Fieldwork
- 8/2022 – 1/2023: Ambit, Inc., Science Communications Specialist
- 11/2021 – 11/2022: Variantyx, Inc., Manager of Scientific Communications
- 2/2016 – 11/2021: Bionano Genomics Inc., Lineagen Division, Genetic Counselor

*II. Board certification (Please include specific field):*

- 2016 – Present Diplomate, American Board of Genetic Counseling, #17317
- 2022 – Present Diplomate, International Society of Medical Publishing Professionals, #6619

*III. Honors:*

- 2021: Diplomate Spotlight, American Board of Genetic Counselors
- 2017, 2018: Recognition for “Pioneering Work”, Bionano Genomics, Inc.

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

2023-Present NSGC Audrey Heimler Special Projects Award, Vice Chair  
2022 – Present; NSGC Abstract Review Committee, Member  
2018 – 2020  
2018 – Present *Journal of Genetic Counseling*, Reviewer  
2023 – Present NGGC PGx/Precision Medicine Subcommittee, Member  
2023 – Present Leadership & Management SIG, Member  
11/2023 University of Illinois-Champaign-Urbana, Invited Speaker  
2020 – 2022 NSGC Marketing and Communications Workgroup, Member  
2019 NSGC Board of Directors Nominating Committee, Member  
2018, 2019, 2020 University of Texas at Austin, Invited Speaker  
2014, 2018, 2019 American Society of Human Genetics DNA Day, Essay Judge

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

*Peer Reviewed & Pre-print Articles:*

Heidi L Rehm, Joseph T Alaimo, Swaroop Aradhya, Pinar Bayrak-Toydemir, Hunter Best, Rhonda Brandon, Jillian G Buchan, Elizabeth C Chao, Elaine Chen, Jacob Clifford, Ana S Cohen, Laura K Conlin, Soma Das, **Kyle W Davis**, Daniela del Gaudio, Florencia Del Viso, Christina DiVincenzo, Marcia Eisenberg, Lucia Guidugli, Monia B Hammer, Steven M Harrison, Kathryn E Hatchell, Lindsay Havens Dyer, Lily U Hoang, James M Holt, Vaidehi Jobanputra, Izabela D Karbassi, Hutton M Kearney, Melissa A Kelly, Jacob M Kelly, Michelle L Kluge, Timothy Komala, Paul Kruszka, Lynette Lau, Matthew S Lebo, Christian R Marshall, Dianalee McKnight, Kirsty McWalter, Yan Meng, Narasimhan Nagan, Christian S Neckelmann, Nir Neerman, Zhiyv Niu, Vitoria K Paolillo, Sarah A Paolucci, Denise Perry, Tina Pesaran, Kelly Radtke, Kristen J Rasmussen, Kyle Retterer, Carol J Saunders, Elizabeth Spiteri, Christine M Stanley, Anna Szuto, Ryan J Taft, Isabelle Thiffault, Brittany C Thomas, Amanda Thomas-Wilson, Erin Thorpe, Timothy J Tidwell, Meghan C Towne, Hana Zouk the Medical Genome Initiative. The landscape of reported VUS in multi-gene panel and genomic testing: Time for a change. medRxiv. 2022.09.21.22279949; doi: <https://doi.org/10.1101/2022.09.21.22279949>

**Kyle W. Davis**, Moises Serrano, Sara Loddo, Catherine Robinson, Viola Alesi, Bruno Dallapiccola, Antonio Novelli A, Merlin Butler. Parent-of-Origin Effects in 15q11.2 BP-BP2 Microdeletion (Burnside-Butler) syndrome. *International Journal of Molecular Science*. 2019 Mar 22;20(6). pii: E1459.

PMID: 30909440

<https://doi.org/10.3390/ijms20061459>

**Kyle W. Davis**, Megan Martin, Katie Fiallos, Lori Erby, Bob Wassman. A comparison of genomic laboratory reports and observations that may enhance their clinical utility for providers and patients. *Molecular Genetics and Genomic Medicine*. 2019 May 21:e551.

PMID: 31115190

<https://doi.org/10.1002/mgg3.551>

E. Robert Wassman, Karen S. Ho, Diana Bertrand, **Kyle W. Davis**, Megan M. Martin, Stephanie Page, Andy Peiffer, Aparna Prasad, Hope Twede, Rena Vanzo, Stephen Scherer, Mohommed Uddin, Charles H. Hensel. Critical exon indexing improves clinical interpretation of CNVs in neurodevelopmental disorders. *Neurology Genetics*. 2019 Dec 6;5(6):e378.

PMID: 32042908

<https://doi.org/10.1212/NXG.0000000000000378>

**Kyle W. Davis**, Debra Roter, Laura Scheinfeldt, Tara Schmidlen, William M. P. Klein. Testing a Best Practices Risk Result Format to Communicate Genetic Risks. *Patient Education and Counselling*. 2020 Oct 19;S0738-3991(20)30558-9.

PMID: 33131927

<https://doi.org/10.1016/j.pec.2020.10.021>

**Kyle W. Davis**, Bilancia CG, Martin M, Vanzo R, Rimmasch M, Hom Y, Uddin M, Serrano MA. NeuroSCORE is a genome-wide omics-based model that identifies candidate disease genes of the central nervous system. *Scientific Reports*. 2022 Mar 31;12(1):5427.

PMID: 35361823

<https://doi.org/10.1038/s41598-022-08938-y>

#### *Accepted Abstracts:*

Richen N, Schon A, Barrett C, **Davis KW**, Stanley C. "WGS and Short Tandem Repeat Expansions: Challenging Neurological Cases Solved". Presented at the 41<sup>st</sup> National Society of Genetic Counselors Annual Education Conference, Nashville, TN. November 2022.

**Davis KW**, Kirkland N, Stanley C. "Three Cases Highlighting the Importance of Intronic Data for Structural Variant...(NSGC)" Presented at the 41<sup>st</sup> National Society of Genetic Counselors Annual Education Conference, Nashville, TN. November 2022.

**Davis KW**, Guy C, Lemons J, Duffer S, "Laboratory of Clinical Efficiency Gains in Cases with ROH Using Whole Genome Data and Analysis." Presented at the 2022 Patient-centered Laboratory Utilization Guidance Services (PLUGS) Summit, Seattle, WA, June 2022.

**Davis KW**, Guy C, Lemons J. "Three Cases Highlighting Clinical Utility of Targeted Analysis of Whole Genome Data for Diagnostics." Presented at the 2022 Patient-centered Laboratory Utilization Guidance Services (PLUGS) Summit, Seattle, WA, June 2022.

**Davis KW**, Serrano M, Martin M, Vanzo R, Rimmasch M, Hom Y, Uddin M, Bilancia C, "NeuroSCORE: A Genome-wide Omics-Based Model to Identify Candidate Disease Genes of the Central Nervous System." Presented at the American College of Medical Genetics and Genomics Annual Clinical Genetics Meeting, Virtual, March 2021.

**Davis KW**, Serrano M, Martin M, Vanzo R, Hom Y, Uddin M, Bilancia C. "Clinical Utility of Multiple *In Silico* Tools to Identify Potential Disease Genes of the Central Nervous System." Presented at the American College of Medical Genetics and Genomics Annual Clinical Genetics Meeting, Seattle, WA, April 2019.