**Elizabeth Varga, MS, CGC, CCRP**

**Email: eavarga@hotmail.com**

**Phone: (614) 984-6212**

**Summary:** I am a healthcare executive, certified research professional and genetic counselor with over 20 years of applied experience in clinical, research and industry settings. I have specialized expertise in translational research, genomics and personalized medicine with particular focus in the areas of hematology, oncology, and immunology. I am passionate about builiding relationships, programs and systems to contribute to the diagnosis and management of genetic disease and cancer. I thrive in complex, fast-paced environments where I can work with diverse, cross functional teams. Strengths include leadership, public-speaking and motivating and influencing others to achieve shared goals.

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| **PROFESSIONAL EXPERIENCE:** |

04/2021– Present **DIRECTOR CLINICAL GENOMICS RESEARCH AND DEVELOPMENT**

**The Steve and Cindy Rasmussen Institute for Genomic Medicine**

* Establishes relationships within the hospital across clinical service lines to allow for growth and expansion of the Institute for Genomic Medicine (IGM) research and clinical initiatives
  + Successfully grew research portfolio from 5 active and enrolling investigator-initiated studies to 13 in three years through partnerships with key hospital service lines (Immunology, Heart Center, Plastic Surgery, Infectious Disease, Primary Care)
  + Trained new investigators on IGM processes, policies and research workflows, helping forge partnerships between departments
* Works with external hospitals and partners to provide education about IGM initiatives and identify opportunities for collaboration
  + Expanded research enrollments from regional hospitals including Akron Children’s, Dayton Children’s, Rainbow Babies, The Ohio State University and Cleveland Clinic
* Tracks and measures growth of clinical and research offerings over time to inform budgetary decisions
  + Increased research enrollments by 82% while improving operational efficiencies to maintain staffing
* Develops and implements high-quality translational genomic research studies in collaboration with investigators to promote genomic testing in clinical care
  + Successfully transitioned 2 translational protocols to clinical test offerings (pediatric oncology and rapid genome sequencing)
* Recruits, supervises and mentors research staff including Genomic Medicine Genetic Counselors, Genetic Counselor Assistants and Clinical Research Operations staff
* Educates faculty, staff, trainees and key stakeholder groups on genomic concepts and initiatives. Supports the academic mission of IGM through publications and presentations and participation in national, regional and local organizations.

08/2020 – 03/2021 **DIRECTOR, CUSTOMER SUCCESS**

**Genomenon Inc., Ann Arbor, MI- remote**

* Developed and implemented repeatable processes to support rapid growth of global health-IT company and customer success team
* Provided sales and marketing support for Mastermind Genomic Search Engine through produce demonstrations to global client base; define use cases and return-on-investment measures; assist in the development of collateral materials
* Assessed usage metrics and customer health to inform interventions targeted at increasing engagement, upsell and renewal
* Provided strategic input as a member of the Genomenon Senior Management Team
* Prioritized product and development enhancements based on customer needs and market potential

02/2020 – 08/2020 **GENOMIC TESTING CONSULTANT**

**PerkinElmer Genomics, Waltham, MA- remote**

* Identified prospects and educated clients regarding PerkinElmer’s genomic testing menu
* Utilized solution based selling techniques to meet customer needs and promote the clinical utility of genetic testing.
* Developed and analyzed sales territory to identify and leverage growth opportunities.
* Represented PerkinElmer Genomics at tradeshows and through presentations to clinical and patient groups.
* Provided customer support as related to genomic testing within territory.
* Participated in laboratory initiatives including internal education, special projects such as gene curation, design of educational and marketing materials, and social media initiatives.
* Represented client needs in discussion with leadership/management in order to improve customer offerings and experience.

01/2015 – 01/2020 **HEM/ONC/BMT GENETIC AND GENOMIC SERVICES COORDINATOR,**

**CO-DIRECTOR OF PERSONALIZED MEDICINE**

**Nationwide Children’s Hospital, Columbus, OH**

* Responsible for integration of genetic counseling and genomic testing services with the Division of Hematology/Oncology/BMT
* Participated in strategic planning for continued growth and development of genomic testing and counseling services
* Educated faculty and staff on research and clinical applications of genomic technology
* Identified and facilitated key strategic alliances with external partners including advocacy organizations, pharmaceutical companies, private industry and academic institutions
* Mentored, supervised and managed genetic counselors and staff of outpatient hematology, oncology and BMT clinics
* Provided genetic risk assessment and genetic counseling as part of a multidisciplinary team for hemophilia, hemoglobinopathy, immunodeficiency and oncology clinics
* Assisted in the development of research and clinical protocols, consent documents and workflows
* Facilitated patient identification, recruitment and enrollment in genomics studies

08/2017 – 01/2020 **CANCER GENOMICS COUNSELOR** *(part time in addition to role above)*

**The Steve and Cindy Rasmussen Institute for Genomic Medicine, Columbus, OH**

* + - Assisted in the development of research and clinical protocols as well as consent documents related to genomic studies
    - Facilitated patient identification, recruitment and enrollment in genomic studies
    - Assisted with analysis, presentation, publication and return of genomics results
    - Coordinated and participated in molecular tumor board
    - Assisted in the development of variant reporting processes and test report development
    - Worked with marketing to develop genomics-related materials
    - Participated in strategic planning, SOP development and project workflows

2010 – 2015 **GENETIC COUNSELOR, DIVISION OF HEMATOLOGY/ONCOLOGY/BMT**

**Nationwide Children’s Hospital, Columbus, OH**

2006 – 2010 **GENETIC COUNSELOR/RESEARCH COORDINATOR, CENTER FOR MOLECULAR AND HUMAN GENETICS**

**The Research Institute at Nationwide Children’s Hospital, Columbus, OH**

2004 – 2006 **GENETIC COUNSELOR, DIVISION OF HUMAN GENETICS, DEPARTMENT OF INTERNAL MEDICINE**

**The Ohio State University, Columbus, OH**

2002 – 2004 **GENETIC COUNSELOR, DIVISION OF MATERNAL-FETAL MEDICINE, DEPARTMENT OF OBSTETRICS AND GYNECOLOGY**

**The University of Kansas Medical Center, Kansas City, KS**

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| **ACADEMIC APPOINTMENTS:** |

2006 – present Adjunct Assistant Professor

The Ohio State University, Columbus, OH

2004 – 2006 Clinical Assistant Professor – Department of Internal Medicine

The Ohio State University, Columbus, OH

2002 – 2004 Clinical Instructor – The Department of Obstetrics and Gynecology

University of Kansas Medical Center, Kansas City, MO

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| **EDUCATION:** |

05/2024 Masters of Business Administration, Executive

(anticipated) The Ohio State University, Columbus, OH

06/2002Masters of Science – Medical Genetics, Emphasis in Genetic Counseling

The University of Cincinnati, Cincinnati, OH

05/2000 Bachelor of Arts – Biological Sciences / Minor - Economics

DePauw University, Greencastle, IN

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| **LICENSURE AND CERTIFICATION:** |

2023 Certified Clinical Research Professional

Society of Clinical Research Associates (SOCRA)

2013, 2022 Ohio Genetic Counselor License (active), NPI 1467757351

2005, 2015, 2022 American Board of Genetic Counseling (active)

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| **PROFESSIONAL MEMBERSHIP AND PARTICIPATION:** |

2023- Present The Society of Clinical Research Associates (SOCRA)- Professional Member

2019 – Present Ohio Association of Genetic Counselors

Member, Co-Chair Education Committee (2019-2021), Columbus, OH

2001 – Present National Society of Genetic Counselors

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| **SERVICE – INSTITUTIONAL / LOCAL ACTIVITIES:** |

2021 – Present Member, Institutional Review Board

Nationwide Children’s Hospital, Columbus, OH

2022 Career Circles Facilitator

Nationwide Children’s Hospital, Columbus, OH

2021 Member, Business Process Improvement Initiative

Sponsored Laboratory Testing Committee, Columbus, OH

2016 – 2017 Member, NHPCC Quality Improvement Collaborative Initiative

Nationwide Children’s Hospital, Columbus, OH

2015 – 2019 Member, Pharmacogenomics Interest Group

Nationwide Children’s Hospital, Columbus, OH

2015 – 2019 Member, Clinical Genomics Advisory Team

Nationwide Children’s Hospital, Columbus, OH

2013 – 2019 Member, Commission on Cancer

Nationwide Children’s Hospital, Columbus, OH

2012 – 2019 Member, Ohio Cancer Genetic Counselors’ Network

Ohio Department of Health, Columbus, OH

2005 – 2006 Member, Institutional Review Board

The Ohio State University, Columbus, OH

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| **OTHER NATIONAL COMMITTEES AND ADVISORY BOARDS:** |

2020 – 2024 ClinGen Variant Curation Expert Panel – Thrombosis

National Institutes of Health, Bethesda, MD

2014 – 2018 Member, Genotyping Working Group

National Hemophilia Program Coordinating Centers, Chicago, IL

2013 – 2019 Member, Genetic Counseling Working Group

National Hemophilia Foundation, New York, New York

2011 – 2017 Member

Training Residents in Genomics (TRIG) Workgroup, Boston, MA

2008 – 2009 Advisor, Technical Advisory Panel

John Hopkins’ Evidence-Based Practice Center, Baltimore, MD

2008 – 2009 Advisor, Thrombosis Education Project

John Hopkins’ Evidence-Based Practice Center, Baltimore, MD

2007 – 2014 Member, Curriculum Development Team

National Blood Clot Alliance, Rockville, MD

2005 – 2013 Member. Medical and Scientific Advisory Board

National Blood Clot Alliance, Rockville, MD

2004 – 2010 Chair, Website and Social Media Oversight Committee

National Blood Clot Alliance, Rockville, MD

2003 – 2010 Member, Board of Directors

National Blood Clot Alliance, Rockville, MD

2003 – 2010 Chair, Education Committee and Communications Committee

National Blood Clot Alliance, Rockville, MD

2003 – 2007 Conference Planning Committee

National Blood Clot Alliance, Rockville, MD

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| **CONSULTING/CONTRACTS:** |

2024 Zoi, Paris, France

2023 Founder Your Genius Coaching, LLC

2022-present Consultant

AlphaSights, San Francisco, CA

ThirdBridge, Austin, TX

GLG, New York, NY

2019 Consultant

InterQual, Change Healthcare, Newton, MA

2018 Subject Matter Expert (Thrombophilia)

Intelliger Consulting, LLC, Scottsdale, AZ

2017 Subject Matter Expert (Thrombophilia)

Roche Molecular Diagnostics, Rotkreuz, Switzerland

2014 Subject Matter Expert

Genomics Health Education Network, LLC, Eau Claire, WI

2011 – 2013 Content Reviewer Genetic Testing for Hematologic Disorders (Literature

review; insurance coverage)

Medco, Inc., St. Louis, MO

2011 Content Evaluator, Hemoglobinopathy, bleeding disorders, thrombophilia algorithms for “Family History for Prenatal Providers” project

National Coalition for Health Professional Education in Genetics (NCHPEG), Baltimore, MD

2008 Reviewer, MeTree© Software

The Guilford Genomic Medicine Initiative, Greensboro, NC

2006 Content Consultant and Reviewer, “Building Awareness for Prevention: Deep Vein Thrombosis”

American Society on Aging, San Francisco, CA

2005 – 2010 Intergovernmental Personnel Agreement (20% salary and benefits)

Centers for Disease Control and Prevention

National Center for Birth Defects and Developmental Disabilities, Atlanta, GA

2004 – 2005 Content Development Consultant

DNA Direct Inc., San Francisco, CA

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| **AWARDS/HONORS** |

2023 Journey to Leadership Excellence- Program Graduate

Nationwide Children’s Hospital

2019 Finalist- Code Talker Award in Genetic Counseling

Invitae/National Society of Genetic Counselors

2019 Nationwide Children’s Hospital Outstanding Clinical Supervisor Award

Division of Genetic and Genomic Medicine

2015 Winner- CLARITY Undiagnosed (Genomics) Challenge

Team Member, Nationwide Children’s Hospital

2015 Innovator of the Year Award: Nationwide Children’s Hospital Division of

Hematology/Oncology/BMT

*An individual who demonstrates innovation in teaching, quality improvement, research or clinical care.  This individual stands out by experimenting and trying new strategies to improve existing methods or contributes to the development of new methods.*

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| **ARTICLES IN PEER REVIEWED JOURNALS:** |

1. Mays, C, DeJongh J, **Hellmann, E**. Genetic and Environmental Effects of Sidestream Smoke on Pup Survivorship of 3 Inbred Strains of Mice.” *Proceedings of the Indiana Academy of Science,* 1999; Vol 106, Number 3-4 p. 175-189.
2. **Hellmann EA,** Leslie ND, Moll S. Knowledge and Educational Needs of Individuals with the Factor V Leiden mutation. *J Thromb Haemos*t 2003; 1:1-5.
3. **Varga EA**, Moll S. Prothrombin 20210 Mutation (Factor II Mutation). Circulation. 2004;110:e15-e18.
4. **Varga EA**,Sturm AC, Misita CP**,** Moll S**:** Cardiology Patient Page: Homocysteine and MTHFR Mutations: Relation to Thrombosis and Coronary Artery Disease *Circulation* 2005;111:e289-e293.
5. Laurino M, Bennett R, Saraiya D, Baumeister D, Doyle DL, Leppig K, Pettersen B, Resta R, Shields L, Uhrich S**, Varga E**, Raskind W. Genetic Counseling and Evaluation of Couples with Recurrent Miscarriage: Recommendations of the National Society of Genetic Counselors. *Journal of Genet Couns*, 2005;14(3):165-181.
6. **Varga, E.** Inherited Thrombophilias: Key Points for Genetic Counseling. *Journal of Genet Couns,* 16(3):261-77 Epub 2007 May 1.
7. **Varga, E.** Inherited Thrombophilias: Key Points for Genetic Counseling. *Journal of Genet Couns,* 16(3):261-77 Epub 2007 May 1.
8. **Varga, EA.** Genetics in the context of thrombophilia. *J Thromb Thrombolysis*. 2008 Feb;25(1):2-5. Epub 2007 Oct 19.
9. **Varga, EA**, Kerlin, BA, Wurster MW. Controversies in Thrombophilia Testing and Update on Genetic Testing. *Semin Thromb Hemost* 2008;34:549-561.
10. **Varga E**, Pastore M, Prior T, Herman G, McBride K. The Prevalence of *PTEN* Mutations in a Clinical Pediatric Cohort with Autism Spectrum Disorders, Developmental Delay, and Macrocephaly. *Genet Med* 11(2):111-117, Epub 2009 Jan 22.
11. McBride K, **Varga E**, Pastore M, Prior T, Manickam K, Atkin J, Herman G. Confirmation Study of *PTEN* Mutations Among Individuals with Autism or Developmental Delays/Mental Retardation and Macrocephaly.  *Autism Research*. 2010 Jun;3(3):137-41.
12. Cottrell C, Bir N, **Varga E**, Alvarez C, Bouyain S, et al. Contactin 4 as an Autism Susceptibility Locus. *Autism Research.* 2011 Feb 9 [EPUB]

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| **ARTICLES IN PEER REVIEWED JOURNALS** *(continued)***:** |

1. Onimoe G, Kahwash S, Termuhlen A, Gross T, **Varga E**, Rose M. Bilateral Burkitt Lymphoma of the Ovaries: Report of a case in a child with Williams Syndrome. *Case Reports in Medicine*, 2011, Article ID 327263, doi:10.1155/2011/327263.
2. Bradley L, Palomaki G, Bienstock J, **Varga E**, Scott J. Can Factor V Leiden and prothrombin G20210A testing in women with recurrent pregnancy loss result in improved pregnancy outcomes?  Results from a targeted evidence-based review.  *Genet Med,* 2012 Jan;14(1):39-50. Epub 2011 Sep 13, 2011.
3. **Varga E,** Kujovich J. Management of Inherited Thrombophilias: Guide for Genetics Professionals. *Clin Genet*, 2012 Jan;81(1):7-17.
4. **Varga E**. You Want to Do What?  My Mother’s Choice to Have Direct-to-Consumer Genetic Testing. *J of Genet Couns*, 2012 May; 21(3) 382-385. EpubApr 11, 2012.
5. Sharma R, Rhodes M, **Varga E**, Kahwash S. Hemoglobin K-Woolwich: Report of Three Cases and Review of the Literature. *Open Journal of Pathology*, July 2014, 4, 110-115.
6. **Varga E**, Chao E, Yeager N. The importance of germline analysis for proper interpretation of genetic tumor profiling: A case study of undifferentiated sarcoma and germline BRCA2 and MLH1 alterations. *Familial Cancer*, Epub 2015 Feb 25.
7. Aggarwal A, Fullum L, Brownstein A, Maynard G, Ansell J, **Varga E**, Friedman R, Rickles F. Deep vein thrombosis (DVT) and pulmonary embolism (PE): Awareness and Prophylaxis Practices Reported in Patients with Cancer. *Cancer Investigation*, 2015;33(9): 405-410. Epub 2015 Jul 16.
8. Moll S, **Varga E**. Homocysteine and MTHFR mutations. *Circulation*, 2015 Jul 7;132(1) e6-9.
9. Levin BL, **Varga E**. MTHFR: Addressing Genetic Counseling Dilemmas Using Evidence-Based Literature. *J Genet Couns*. 2016 Apr 30. [Epub ahead of print]
10. Creary SE, Pyle-Eilola AL, **Varga E**, Cotten SW, S Lorey T, Holmes DT, Greene DN. Method-dependent Discrepancies in Fetal Hemoglobin Quantification in Patients With Hemoglobin S. *J Pediatr Hematol Oncol*. 2016 May 9.
11. Kumar R, Creary S, **Varga EA**, Kahwash SB. Thrombocytopenia Pitfalls: Misdiagnosing Type 2B von Willebrand Disease as Ethylenediaminetetraacetic Acid-Dependent Pseudothrombocytopenia*. J Pediatr*. 2016 May 20.
12. Hickey SE, **Varga EA**, Kerlin B. Epidemiology of bleeding symptoms and hypermobile Ehlers-Danlos syndrome in paediatrics*. Haemophilia*. 2016 Aug 26.
13. Creary S, Adan I, Stanek J, O’Brien S, Chisolm D, Jeffries T, Zajo K, **Varga E**. Sickle Cell Trait Knowledge and Health Literacy in Caregivers Who Receive in-Person Sickle Cell Trait Education*. Mol Genet Genomic Med*. doi:10.1002/mgg3.327
14. Hashem H, Abu-Arja R, Auletta JJ, Rangarajan HG, Varga E, Rose, MJ, Bajwa RPS. Successful Second Hematopoietic Cell Transplantation in Severe Congenital Neutropenia. *Pediatr Transplant* 2017 Oct 26. PubMed PMID: 29076228

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| **ARTICLES IN PEER REVIEWED JOURNALS** *(continued)***:** |

1. Miller KE, Kelly B, Fitch J, Ross N, Avenarius MR, **Varga E**, Koboldt DC, Boue DR, Magrini V, Coven SL, Finlay JL, Cottrell CE, White P, Gastier-Foster JM, Wilson RK, Leonard J, Mardis ER. “Genome sequencing identifies somatic BRAF duplication c.1794\_1796dupTAC;p.Thr599dup in pediatric patient with low-grade ganglioglioma.” *Cold Spring Harbor Molecular Case Studies*. 2018 February 06. [Epub ahead of print].
2. Perisa M, Rose M, **Varga E**, Kamboj M, Spencer J, Bajwa R. A novel SAMD9 mutation identified in patient with MIRAGE syndrome: Further defining syndromic phenotype and review of previous cases. *Pediatr Blood Cancer*. 2019 March 21 {EPub ahead of print]
3. Kumar R, Dawson J, **Varga E**, Canini JT, Monda KL, Dunn AL. Fibrinogen Columbus II: A Novel c.1075G>T Mutation in the FGG Gene Causing Hypodysfibrinogenemia and Thrombosis in an Adolescent Male. *Pediatr Blood Cancer*. 2019 Sep;66(9):e27832.
4. Schieffer K, **Varga E**, Miller K, Agarwal V, Koboldt D, Brennan P, Kelly B, Dave-Wala A, Pierson C, Finlay J, AbdelBaki M, White P, Magrini V, Wilson R, Mardis E, Cottrell C. Expanding the Clinical History Associated with Syndromic Klippel-Feil: A Unique Case of Comorbidity With Medulloblastoma. *Eur J Med Genet* 2019 Aug; 62(8): 103701.
5. Hudson P, Zajo K, Gerhardt C, **Varga E**. Defining the role of a genetic counselor within comprehensive care teams: perspectives of the provider team and patients. *Journal of Genetic Counseling*. 2019 Dec; 28(6) 1139-1147.
6. Yonkof J, Gupta A, Rueda C, Mangray S, Prince B, Rangarajan H, Alshahrani, **Varga E**, Cripe T, Abraham R. A Novel Pathogenic Variant in *CARMIL2* (RLTPR) Causing CARMIL2 Deficiency and EBV-Associated Smooth Muscle Tumors. *Front Immunol* 2020 Jun 18; 11:884.
7. Gupta A, Belsky J, Schieffer KM, Leraas K, **Varga E**, Wilson RK, Magrini V, Mardis ER, Koo SC, Cottrell CE, Setty BA. Infantile Fibrosarcoma-like Tumor Driven By Novel Fusion *RBPMS-MET* Consolidated with Cabozantinib. *Cold Spring Harbor Molecular Case Studies.* 2020 Oct 7; 6(5):a005645.
8. Elson S, Furlotte N, Hromatka B, Wilson C, Mountain J, Rowbotham H, **Varga E**, Francke U. Direct-to-consumer genetic testing for factor V Leiden and prothrombin 20210G>A: the consumer experience. *Mol Genet Genomic Med.* 2020 Nov;8(11):e1468.
9. Kraft MT, Pyle R, Dong X, Hagan JB, **Varga E**, van Hee M, Boyce TG, Pozos TC, Yilmaz-Demirdag Y, Bahna SL, Abraham RS. Identification of 22 novel BTK gene variants in B cell deficiency with hypogammaglobulinemia. *Clin Immunol.* 2021 Aug;229:108788.
10. LaHaye S, Fitch JR, Voytovich KJ, Herman AC, Kelly BJ, Lammi GE, Arbesfeld JA, Wijeratne S, Franklin SJ, Schieffer KM, Bir N, McGrath SD, Miller AR, Wetzel A, Miller KE, Bedrosian TA, Leraas K, **Varga EA**, Lee K, Gupta A, Setty B, Boué DR, Leonard JR, Finlay JL, Abdelbaki MS, Osorio DS, Koo SC, Koboldt DC, Wagner AH, Eisfeld AK, Mrózek K, Magrini V, Cottrell CE, Mardis ER, Wilson RK, White P. Discovery of clinically relevant fusions in pediatric cancer. *BMC Genomics.* 2021 Dec 4; 22: 872.
11. Prince BT, **Varga EA**, McBride KL. Germline Variant Interpretation in Children with Severe Sepsis. J Clin Immunol. 2022 Oct 29. doi: 10.1007/s10875-022-01388-1. Epub ahead of print. PMID: 36307603.
12. Mustillo PJ, Sullivan KE, Chinn IK, Notarangelo LD, Haddad E, Davies EG, de la Morena MT, Hartog N, Yu JE, Hernandez-Trujillo VP, Ip W, Franco J, Gambineri E, Hickey SE, **Varga E**, Markert ML. Clinical Practice Guidelines for the Immunological Management of Chromosome 22q11.2 Deletion Syndrome and Other Defects in Thymic Development. J Clin Immunol. 2023 Feb;43(2):247-270. doi: 10.1007/s10875-022-01418-y. Epub 2023 Jan 17. PMID
13. Ramadesikan S., Colwell C, Supinger R, Hunter J, Thomas J, **Varga E**, Mardis ER, Wood R, and Koboldt DC. “Novel inherited CDX2 variant segregating in a family with diverse congenital malformations of the genitourinary system” *Cold Spring Harb Mol Case Stud*. Nov 2023 PMID: 37816608.

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| **EDITORIAL AND REVIEW ACTIVITIES:** |

**EDITOR/SERVICE ON EDITORIAL BOARD(S)**

2006 – 2012 Editor, Education and Communication materials, National Blood Clot Alliance, Rockville, MD

**JOURNAL REVIEWER**

2004 – Present*Ad hoc reviewer for Circulation, Journal of Thrombosis and Hemostasis, Journal of Genetic Counseling, Clinical Genetics, Genetics in Medicine, Journal of Health Communication, Familial Cancer, Pediatric Blood and Cancer, Clinical Cancer Research, Journal of Clinical Immunology, Journal of Neurology*

**GRANT REVIEW**

2012 Fondazione Cariplo (Italian Foundation), “Genomewide association study to Evaluate Genetic Risk Factors for Cerebral Vein Thrombosis (GENESIS study)’. October 2012.

2011 Fondazione Cariplo (Italian Foundation), Multiplexed Next Generation Sequencing of the Haemostatic Exome in Deep Vein Thrombosis”, August 2011.

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| **PROFESSIONAL EDUCATION** |

2015 Genomic Pathology: An Interactive Workshop

Lecturer, Facilitator

Academy of Clinical Laboratory Physicians and Scientists, Minneapolis, MN

2014 Training Residents in Genomics (TRIG) Curriculum/Workshop

Development of Online Education Modules

Facilitator, United States and Canadian Association of Pathology Annual Meeting, San Diego, California

2008 Stop the Clot ®: What Every Healthcare Professional Should Know

National Blood Clot Alliance, Online Education Program

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| **CONFERENCES AND SYMPOSIA:** |

**NATIONAL/INTERNATIONAL DISTINGUISHED ACTIVITIES**

1. Invited attendee at national meeting “Public Health Leadership Conference on Deep-Vein Thrombosis, Washington, D.C., February 26, 2003.
2. Invited attendee at invitational summit on “Deep Vein Thrombosis, A Focused Discussion for Healthcare Leaders, The National Quality Forum, Washington, D.C., March 24, 2006.
3. Invited attendee at national meeting, “DVT/PE Surveillance External Working Group, The Centers for Disease Control and Prevention, Atlanta, GA, January 12, 2010.
4. Invited Honorary Lecture (Janus Series), “FAQs about Thrombophilia”, National Society of Genetic Counselors’ 29th Annual Education Conference, October, 15, 2010, Dallas, TX.
5. Invited Honorary Lecture (Janus Series), “Updates in the Field of Bleeding Disorders”, National Society of Genetic Counselors’ 33rd Annual Education Conference, September 17, 2014, New Co-Organizer, Pre-Conference Symposium entitled, “Tumor Genomic Testing: Technology, Clinical Implications, and the Role of the Genetic Counselor.” National Society of Genetic Counselors’ 33rd Annual Education Conference, September 17, 2014, New Orleans, LA
6. Co-Organizer and Speaker, Life Consortium and Li-Fraumeni Syndrome Association Conference Planning Committee, June 2-3, 2016, Columbus, OH.
7. Co-Organizer and Speaker, Pre-Conference Symposium entitled, “Navigating the Expanding Genetic Counseling Landscape for Cancers of Childhood, Blood and Brain.” National Society of Genetic Counselors’ 36th Annual Education Conference, September 13, 2017.
8. Co-Organizer and Speaker, Workshop entitled, “Teaching Genomic Medicine: A Train-the-Trainer Workshop.” National Society of Genetic Counselors’ 36th Annual Education Conference, September 13, 2017.
9. Organizer and Speaker, Workshop entitled “Immunology Boot Camp”, Clinical Immunology Society, April 3, 2020. Due to COVID-19 pandemic, event was cancelled.

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| **LECTURES/PRESENTATIONS:** |

**NATIONAL/INTERNATIONAL**

3/18/23 Updates on Inborn Errors of Immunity. Session Moderator and Contributor. American College of Medical Genetics Annual Meeting. Salt Lake City Utah.

3/7/23 Vanquishing Vexing Variants. Presenter, American Society of Hematology Webinar.

8/25/22, 8/24/23 Counseling Patients About Genomic Test Results, University of South Florida Allergy and Immunology Rounds, Virtual

11/11/2021 Comprehensive Genomic Profiling and Multidisciplinary Approaches to Care for Patients with Vascular Malformations, Mass General Hospital Updates in Clinical Genetics Conference, (Virtual)

5/11/2021 Clinical Conundrums and Ethical Questions Raised through Somatic Cancer Testing, Cancer Genomics Consortium Webinar (Virtual)

9/12/2019 Pediatric Cancer Predisposition, Clinical Oncology Group, Atlanta, GA

10/2/2018 Genetic Counseling for Hereditary Thrombophilia. Patient Education Videos, National Blood Clot Alliance ([www.stoptheclot.org](http://www.stoptheclot.org))

9/14/2017 Teaching Genomic Medicine: A Train-the-Trainer Workshop. National Society of Genetic Counselors’ 36th Annual Education Conference, Columbus, OH

9/13/2017 The Expanding Genetic Counseling Landscape for Cancers of Childhood, Blood, Brain. National Society of Genetic Counselors’ 36th Annual Education Conference, Columbus, OH

7/19/2017 Direct-to-Consumer (DTC) Genetic Testing: Updates, Perceptions and Impacts. NSGC Member Webinar Series

11/3/2016 Incorporating Genomics into Healthcare: A Genetic Counselor’s Perspective, Genomic Technology Forum, Center for Medical Technology and Policy, Baltimore, MD

6/13/2016 Directed To Counseling: The Relevance of Genetic Counselors in the Era of the Home DNA Test

Webinar for the Personalized Medicine SIG of the National Society of Genetic Counselors

6/3/2016 Navigating the process of genetic counseling and testing for Li-Fraumeni Syndrome 2016 International LFS Conference & The 3rd Annual LiFE Consortium and LFS Association Conference, Columbus, OH

9/17/2014 Tumor Profiling in a Pediatric Setting: Lessons Learned

National Society of Genetic Counselors’ 33rd Annual Education Conference, New Orleans, LA

7/17/2012 Hereditary Thrombophilias: Implications for Obstetrics and Gynecology

New Mexico TeleHealth High Risk OB/GYN Clinic, Albuquerque, NM

4/24/2009 Genetic Counseling in Heritable Thrombophilia

Blood in Motion Symposium on Thrombosis and Hemostasis, Pittsburgh, PA

10/26/2008 Big Heads, Bumpy Skin and Benign Thyroid Disease- When Should You Consider PTEN Gene Testing?

National Society of Genetic Counselors’ 27th Annual Education Conference, Los Angeles, CA

10/20/2007 Preconception Genetic Counseling for Women with Blood Disorders

The 2nd Annual Conference on Preconception Health Care- Sponsored by the Centers for Disease Control and Prevention and the March of Dimes, Oakland, CA

5/3/2007 Genetics in Context; Genetic Counseling for Inherited Thrombophilias

Tenth National Conference on Anticoagulation Therapy, Chicago, IL

6/24/2006 Genetic Counseling for Hereditary Thrombophilia

The National Hemophilia Foundation “On the Roads” Meeting. Denver, CO

4/28/2006 Comprehensive Care Model for Thrombophilia: The Role of Genetic Counselors, The National Hemophilia Foundation “On the Roads” Meeting, Minneapolis, MN

3/3/2006 The National Alliance for Thrombosis and Thrombophilia: Research Objectives and Mission The Centers for Disease Control and Prevention, Atlanta, GA

12/2/2005 An Introduction to the National Alliance for Thrombosis and Thrombophilia

The National Hemophilia Foundation, New York, NY

11/14/2005 Understanding and Working with Patient Support Groups and Foundations National Society of Genetic Counselors’ 24th Annual Education Conference, Educational Breakout Session, Los Angeles, CA

Oncology Nurses’ Society, 30th Annual Congress, Orlando, FL

1/24/2005 Education and Communication Priorities: The National Alliance for Thrombosis and Thrombophilia Thrombosis and Hemostasis Pilot Site Investigators’ Meeting

Sponsored by the Centers for Disease Control and Prevention, Atlanta, GA

4/28/2004 Factoring in the Unusual Cascade- Unusual Blood Dyscrasias

Oncology Nurses’ Society, 29th Annual Congress, Anaheim, CA

9/15/2003 Advances in the Evaluation and Treatment of Recurrent Pregnancy Loss- Focus on the Thrombophilias

National Society of Genetic Counselors’ 22nd Annual Education Conference Educational Breakout Session, Charlotte, NC

8/12/2003 Education Needs of Thrombophilia Patients: Filling in the Gaps

Patient Advocacy Meeting, Centers for Disease Control and Prevention, Decator, GA

10/8/2002 Blood Clots: Your Genes, Your Risk

Consumer Education Conference, Chapel Hill, NC

3/22/2002 Thrombophilia: What the Patient Wants to Know

5th Annual Meeting of the Carolina Anticoagulation Resource Group, Charlotte, NC