Elizabeth Varga, MS, LGC
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Phone: (614) 355-5782

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Signature Date

AFFILIATIONS:

Nationwide Children's Hospital
Main Campus and its affiliates:
700 Children's Drive, Columbus, OH 43215

The Steve and Cindy Rasmussen Institute for Genomic Medicine (IGM)
Abigail Wexner Research Institute at Nationwide Children's Hospital
575 Children's Crossroads, Columbus, OH 43215

EDUCATION:

06/2002 Masters 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

LICENSURE AND CERTIFICATION:

2013, 2022 Ohio (active), NPI 1467757351

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

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
- Works with external hospitals and partners to provide education about IGM initiatives and identify opportunities for collaboration
- Tracks and measures growth of clinical and research offerings over time to inform budgetary decisions
- Develops and implements high-quality translational genomic research studies in collaboration with investigators to promote genomic testing in clinical care
- Recruits, supervises and mentors research and clinical 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

- Develop and implement repeatable processes to support rapid growth of global health-IT company and customer success team
- Provide 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
- Assess usage metrics and customer health to inform interventions targeted at increasing engagement, upsell and renewal
- Provide strategic input as a member of the Genomenon Senior Management Team
- Prioritize product and development enhancements based on customer needs and market potential

02/2020 – 08/2020 **GENOMIC TESTING CONSULTANT**
PerkinElmer Genomics, Waltham, MA- remote

- Identify prospects and educate clients regarding PerkinElmer's genomic testing menu; utilize solution based selling techniques to meet customer needs and promote the clinical utility of genetic testing.
- Develop and analyze sales territory to identify and leverage growth opportunities.
- Represent PerkinElmer Genomics at tradeshows and through presentations to clinical and patient groups.
- Provide customer support as related to genomic testing within territory.
- Participate in laboratory initiatives including internal education, special projects such as gene curation, design of educational and marketing materials, and social media initiatives.
- Represent 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
- Participate in strategic planning for continued growth and development of genomic testing and counseling services
- Educate faculty and staff on research and clinical applications of genomic technology
- Identify and facilitate key strategic alliances with external partners including advocacy organizations, pharmaceutical companies, private industry and academic institutions
- Mentor, supervise and manage genetic counselors and staff of outpatient hematology, oncology and BMT clinics

- Provide genetic risk assessment and genetic counseling as part of a multidisciplinary team for hemophilia, hemoglobinopathy, immunodeficiency and oncology clinics
- Assist in the development of research and clinical protocols, consent documents and workflows
- Facilitate 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

- Assist in the development of research and clinical protocols as well as consent documents related to genomic studies
- Facilitate patient identification, recruitment and enrollment in genomic studies
- Assist with analysis, presentation, publication and return of genomics results
- Coordinate and participate in molecular tumor board
- Assist in the development of variant reporting processes and test report development
- Work with marketing to develop genomics-related materials
- Participate 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

ACADEMIC APPOINTMENTS:

2006 – 2020 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

PROFESSIONAL MEMBERSHIP AND PARTICIPATION:

2019 – Present Ohio Association of Genetic Counselors
Member, Co-Chair Education Committee (2019-2021), Columbus, OH

PROFESSIONAL MEMBERSHIP AND PARTICIPATION *(continued)*:

2019 – Present	Clinical Immunology Society, Associate Member Member, Education Committee, Milwaukee, WI
2019 – 2021	American Academy of Allergy, Asthma and Immunology Allied Health Member, Milwaukee, WI
2005 – 2007	Member, Familial Cancer Special Interest Group
2013 – Present	National Society of Genetic Counselors, Chicago, IL
2001 – Present	National Society of Genetic Counselors

Previous:

2018 – 2019	Director-At Large (Board of Directors) National Society of Genetic Counselors, Chicago, IL
2017 – 2019	Member, Audrey Heimler Special Projects Review Committee National Society of Genetic Counselors, Chicago, IL
2016 – 2017	Co-Chair, Pediatric Subcommittee, Cancer Special Interest Group National Society of Genetic Counselors, Chicago, IL
2014 – 2016	Member, Direct-to-Consumer Genetic Testing Task Force National Society of Genetic Counselors, Chicago, IL
2014	Chair, Nominating Committee American Board of Genetic Counseling, Lenexa, KS
2013 – 2014	Co-Chair- Personalized Medicine Special Interest Group National Society of Genetic Counselors, Chicago, IL
2011 – 2014	Member, Audrey Heimler Special Projects Review Committee National Society of Genetic Counselors, Chicago, IL
2011 – 2016	Member, Personalized Medicine Special Interest Group National Society of Genetic Counselors, Chicago, IL
2010 – 2014	Member, Nominating Committee American Board of Genetic Counseling, Lenexa, KS
2007 – 2012	Member, Hematology Special Interest Group National Society of Genetic Counselors, Chicago, IL
2007 – 2010	Co-Chair and Founder, Hematology Special Interest Group National Society of Genetic Counselors, Chicago, IL
2007 – 2010	Member, Planning Committee, Annual Education Conference, Abstract Review Subcommittee National Society of Genetic Counselors, Chicago, IL

PROFESSIONAL MEMBERSHIP AND PARTICIPATION *(continued)*:

2004 – 2007	Member, Cardiovascular Special Interest Group National Society of Genetic Counselors, Chicago, IL
2003 – 2004	Member, Planning Committee, Annual Education Conference, Educational Breakout Subcommittee National Society of Genetic Counselors, Chicago, IL
2003	Coordinator, Prenatal Special Interest Group Educational Breakout Session, Annual Education Conference National Society of Genetic Counselors, Chicago, IL
2002 – 2004	Member, Prenatal Genetics Special Interest Group Member National Society of Genetic Counselors, Chicago, IL
2002 – 2004	Representative, State of Kansas National Society of Genetic Counselors, Chicago, IL
2001 – 2002	Student Representative, Membership Committee National Society of Genetic Counselors, Chicago, IL

SERVICE – INSTITUTIONAL / LOCAL ACTIVITIES:

2021	Member, Business Process Improvement Initiative Sponsored Laboratory Testing Committee, Columbus, OH
2021 – Present	Member, Institutional Review Board Nationwide Children's Hospital, 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

OTHER NATIONAL COMMITTEES AND ADVISORY BOARDS:

2020 – Present	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

CONSULTING/CONTRACTS:

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

CONSULTING/CONTRACTS *(continued)*:

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

AWARDS:

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.*

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]

13. 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.

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

14. 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.

15. Varga E, Kujovich J. Management of Inherited Thrombophilias: Guide for Genetics Professionals. *Clin Genet*, 2012 Jan;81(1):7-17.

16. 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. Epub Apr 11, 2012.

17. 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.

18. 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.

19. 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.

20. Moll S, **Varga E**. Homocysteine and MTHFR mutations. *Circulation*, 2015 Jul 7;132(1) e6-9.

21. Levin BL, **Varga E**. MTHFR: Addressing Genetic Counseling Dilemmas Using Evidence-Based Literature. *J Genet Couns*. 2016 Apr 30. [Epub ahead of print]

22. 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.

23. 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.

24. Hickey SE, **Varga EA**, Kerlin B. Epidemiology of bleeding symptoms and hypermobile Ehlers-Danlos syndrome in paediatrics*. Haemophilia*. 2016 Aug 26.

25. 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

26. 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

27. 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].

ARTICLES IN PEER REVIEWED JOURNALS *(continued)*:

28. 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]

29. 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.

30. 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.

31. 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.

32. 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.

33. 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.

34. 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.

35. 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.

36. 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.

ABSTRACTS:

1. Brehm B, Smith R, Breen P, **Hellmann E**, Long L, Wall A, and Warren NS. *An Innovative Interdisciplinary Approach to Teaching Professionalism,* Poster at the Ohio Dietetic Association, Cincinnati, OH, April 2002.

2. Warren NS, **Hellmann E**, Brehm B, Smith R, Breen P, Long L, Wall A. *An Interdisciplinary Approach to Teaching Professionalism*, Poster at NSGC 21st Annual Education Conference, Phoenix, AZ, 2002. *Journ Genet Couns* 11, No. 6., p. 534-5, December 2002.

3. **Hellmann EA**, Leslie N, Moll, S. *The Role of Genetics Professionals in Counseling Individuals with Factor V Leiden Thrombophilia*. Presentation at NSGC 21st Annual Education Conference, Phoenix, AZ, 2002. *Journ Genet Couns* 11, No. 6., p. 473-4, December 2002.

4. **Hellmann EA**, Leslie N, Moll, S. *The Role of Genetics Professionals in Susceptibility Testing: Lessons from Factor V Leiden.* Poster at American Society of Human Genetics' Meeting, Baltimore, MD October, 2002. *AJHG,* Oct 2002, Vol 71(4) Suppl. p 346 (1017).

5. **Hellmann EA**, Leslie N, Moll, S. *The Role of Genetics Professionals in Susceptibility Testing: Lessons from Factor V Leiden.* Poster at American Society of Human Genetics' Meeting, Baltimore, MD October, 2002. *AJHG,* Oct 2002, Vol 71(4) Suppl. p 346 (1017).

6. Bennett R, Raskind W , Laurino M, Saraiya D, Baumeister D, Doyle DL, Leppig K, Pettersen B, Resta R, Shields L, Uhrich S**, Varga E**. *Proposed Recommendations for Genetic Counseling and Evaluation of Couples with Recurrent Miscarriage.* Poster at American Society of Human Genetics' Meeting, Toronto, Canada October, 2004.

7. **Varga E**, Moll S. *Education Needs of Patients and Families with Thrombosis and Thrombophilia—Results of Two Patient Education Seminars.* Poster at Eighth National Conference on Anticoagulation Therapy, May, 2005*. J Thromb Thrombolys* 2006;21:107.

8. **Varga E,** Moll S. *Availability of Educational Materials for Patients and Families with Thrombosis and Thrombophilia- A Review of the Print and Web-based Literature.* Poster at Eighth National Conference on Anticoagulation Therapy, May, 2005. *J Thromb Thrombolys* 2006;21:107.

ABSTRACTS *(continued)***:**

9. **Varga E**, McBride K, Herman, G. *The Central Ohio Registry for Autism: Bringing Genetics Research to Autism Families in Central Ohio.* Poster at the Columbus Children's Research Institute Annual Research Conference, April, 2007.

10. Kerlin BA, Cataland S, **Varga E,** Kraut E, Wurster M. *Common Clinical Variables Predict Warfarin Maintenance Dose and Therapeutic Resistance.* Poster at Tenth National Conference on Anticoagulation Therapy, May, 2007.

11. Cottrell C, Bir N, **Varga E**, Cunningham G, Zernzach R, Gastier-Foster J, McBride K, Herman G. *Contactin 4 As An Autism Susceptibility Locus.* Poster at the 59th Annual Meeting of the American Society of Human Genetics, Honolulu, HA, October 2009.

12. McCann ME, **Varga E**, Tencza C, Goodman K, Brownstein A. *Needs Assessment for Clotting Care Online Curriculum Design for Nurses, Pharmacists and Physician's Assistants.* Poster at the National Conference on Blood Disorders in Public Health, Atlanta GA, March 2010.

13. **Varga E**, McCann ME, Brownstein A. *Stop the Clot Forums: A Successful Model for Patient Education about Thrombosis and Thrombophilia* Poster at the National Conference on Blood Disorders in Public Health, Atlanta GA, March 2010.

14. Brownstein A, **Varga E**, McCann ME, Quattrocchi R, Koppa P. *Stop the Clot Education Program for Patients with Blood Clots and Clotting Disorders.* Presentation at the National Conference on Blood Disorders in Public Health, Atlanta GA, March 2010.

15. Quattrocchi R, Brownstein A, **Varga E**. *Use of Online Media to Promote Public Awareness of Blood Clots and Clotting Disorders.* Presentation at the National Conference on Blood Disorders in Public Health, Atlanta GA, March 2010.

16. **Varga EA**, Lamb-Thrush D, Astbury C, Pyatt RE, Reshmi S, Gastier-Foster JM, Herman GE. *Genomic Copy Number Variation in Pediatric Patients with Autism Spectrum Disorders.* 9th Annual International Meeting for Autism Research, Philadelphia, PA, May, 2010.

17. Iger J, **Varga E.** *Genetic testing clarifies risk of thrombosis for individuals with antithrombin deficiency.* Poster at NSGC 30th Annual Education Conference, San Diego, CA, October, 2011.

18. **Varga E**, Hashimoto S, Astbury C. *The Importance of Inclusion of Gene Lists on Microarray Reports: A Case Study*. Poster at NSGC 31st Annual Education Conference, Boston, MA, October 2012.

19. **Varga E**, Yeager N. *Next Generation Sequencing of An Undifferentiated Sarcoma Tumor Sample Leads To Identification of Germline BRCA2 and MLH1 Mutations*. Poster at the American Society for Pediatric Hematology Oncology Conference, Chicago, IL, May, 2014.

ABSTRACTS *(continued)***:**

20. Mangum R, **Varga E,** Scott S, Goldman M, Osorio D, Pierson C, Leonard J, Boue D, Finlay JL. *Competing molecular genetic forces: Trisomy 21 (Down Syndrome, DS) and PTCH mutation (Gorlin Syndrome) in a 21-month-old with SHH Desmoplastic/Nodular Medulloblastoma.* Poster at the Annual Meeting of the Society of Neuro-Oncology in San Antonio, TX, November, 2015.

21. Zajo K, Creary S, Dunn A, Joshi S, Kerlin B, Kumar R, O'Brien S, Rose M, Sharma R, Villella A and **Varga, E**. *Test Utilization and the Role of Genetic Counseling in the Setting of Pediatric Hematology*. Poster at the NSGC 35th Annual Education Conference, Seattle, WA, September 2016.

22. **Varga E**, Zajo K, Creary S. Use of Next-Generation Sequencing to Identify Secondary Diagnoses of Hereditary Hemolytic Anemia in Patients with Sickle Cell Anemia. Poster at the NSGC 35th Annual Education Conference, Seattle, WA, September 2016.

23. Casto L, Frost R, Beemiller L, Biega C, Brown M, Gonzales A, Hatfield A, Krebs B, Roessler S, Russell C**, Varga E**, Widener P, Dunn, A. *Journey to Best Outcomes in Hemophilia Transition: Enhancing Quality on the Pathway to Independence*. Poster at the American Thrombosis and Hemostasis Network Data Summit, Chicago, IL, October 2016.

24. Hashem H, Rose M, Bajwa R, **Varga E**. *Apparent Gonadal Mosaicism of ELANE Variant c.1A>G in Association with Severe Congenital Neutropenia*. Poster at the American College of Genetics and Genomics Annual Clinical Genetics Meeting, Phoenix, AZ, March 2017.

25. Zajo K, and **Varga E**. *Role of genetics and genetic counseling in the setting of intracranial germ cell tumors.* Abstract and presentation (Zajo) Fifth International Central Nervous System Germ Cell Tumor Conference, June 2017. Published in *Pediatric Neurology,* 71 (2017), 90-117.

26. Erdman S, Zajo K**, Varga E**, Minneci P, Vear S. *Colorectal cancer due to a spontaneous MSH2 mutation in a 15 year old female.* Poster at the International Society for Gastrointestinal Hereditary Tumors Biennial Meeting, Florence, Italy, July 2017.

27. Zajo K, Frone M, Schneider K, **Varga, E**, Knapke, S. *Pediatric Cancer Predisposition Genetic Counseling: Current Practices.* Poster at the National Society of Genetic Counselors Annual Meeting, Columbus, OH, September, 2017.

28. Shoemaker, L, **Varga E**, Lichtenberg T, Vear S, Leraas K, Gastier-Foster J, Cottrell C, Mardis M. Establishing the Foundation of a Research to Clinical Genomic Profiling Protocol at the NCH Institute for Genomic Medicine. Poster at the ABGT Precision Health Meeting, La Jolla, CA September 2018.

29. Brennan P, Kelly B, Wheeler G, Fitch J, Voytovich K, Spencer A, **Varga E**, Leraas K, Magrini V, Gastier-Foster J, Wilson R, Mardis E, Cottrell C, White P. Integration of whole genome, whole exome, and transcriptome sequencing pipelines for comprehensive genomic profiling of 57 pediatric cancer subjects. Platform Presentation, Genome Informatics Meeting, Wellcome Genome Campus, Hinxton, Cambridge, UK, September 2018.

ABSTRACTS *(continued)***:**

30. Miller KE, Koboldt DC, Kelly BJ, Brennan P, Magrini V, Gastier-Foster JM, White P, **Varga EA**, Cottrell CE, Wilson RK, Mardis ER. Pathogenic germline variants in a pediatric cancer cohort

and identification of new candidate cancer predisposition genes. Poster Presentation at the American Society of Human Genetics Annual Meeting, San Diego CA, September 2018.

31. 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. Poster at the American Society of Human Genetics Annual Meeting, San Diego, CA, October, 2018.

32. Cottrell CE, **Varga E**, Vear S, Lichtenberg T, Leraas K, Schieffer KM, Miller K, Magrini V, Wetzel A, Koboldt D, Kelly B, Fitch J, Brennan P, Wheeler G, White P, Dave-Wala A, Dishman D, Shoemaker L, Pfau R, Finlay J, Leonard J, Osorio D, AbdelBaki M, Yeager N, Setty B, Drapeau A, Shah N, Koo S, Boué D, Pierson CR, Gastier-Foster J, Wilson RK, Mardis ER. Design and Implementation of a Comprehensive Genomic Profiling Protocol for Rare and Refractory Pediatric Cancer and Hematologic Disease. Poster Presentation, The Research Institute at Nationwide Children's Research Retreat, Columbus, OH. November, 2018.

33. Rich K, O'Brien S, **Varga E**. Familial immune thrombocytopenia Correctly Identified as Familial Platelet Disorder with Propensity to Acute Myeloid Leukemia due to *RUNX1* c.1163C>A (p.S388*). Poster at the National Society of Genetic Counselors' Annual Meeting, Atlanta, GA, November 2018.

34. 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. Poster at the National Society of Genetic Counselors Annual Meeting, Atlanta, GA, November 2018.

35. Miller K, Schieffer K, Magrini V, Fitch J, Boué D, Leonard J, Finlay J, Osorio D, AbdelBaki M, Pierson C, Drapeau A, Pindrik J, Leraas K, **Varga E,** Dishman D, Shoemaker L, Ross N, Pitts J, Gastier-Foster J, Cottrell CE, Wilson RK, Mardis ER. Expression profiling-based characterization of immune cell populations in pediatric brain cancers. Poster Presentation at the Nationwide Children's Hospital Research Retreat. Columbus, OH, November, 2018 (*Designated as a Poster of Distinction).

36. Cottrell CE, **Varga E**, Vear S, Lichtenberg T, Leraas K, Schieffer KM, Miller K, Magrini V, Wetzel A, Koboldt D, Kelly B, Fitch J, Brennan P, Wheeler G, White P, Dave-Wala A, Dishman D, Shoemaker L, Pfau R, Finlay J, Leonard J, Osorio D, AbdelBaki M, Yeager N, Setty B, Drapeau A, Shah N, Koo S, Boué D, Pierson CR, Gastier-Foster J, Wilson RK, Mardis ER. Design and Implementation of a Comprehensive Genomic Profiling Protocol for Rare and Refractory Pediatric Cancer and Hematologic Disease. Oral Presentation, Advances in Genome Biology and Technology (AGBT) Annual Meeting, Marco Island, FL, February, 2019.

37. **Varga EA**, Zajo K, Rose MJ, Prince B. Diagnostic Yield of a Next-Generation Sequencing Panel for Primary Immunodeficiencies in a Cohort of Pediatric Patients with Immunohematologic Disorders. Poster presentation at Clinical Immunology Society Meeting, Atlanta, GA, April 2019.

ABSTRACTS *(continued)***:**

38. Schieffer KM, Miller KE, Boué DR, Koboldt DC, Brennan P, Kelly BJ, Wheeler G, Magrini V, Wetzel A, **Varga E,** Dishman D, Leraas K, Agarwal V, AbdelBaki MS, Finlay JL, Leonard JR, Gastier-Foster JM, Cottrell CE, Mardis ER, Wilson RK. Molecular Profiling Identifies a Second Malignancy in a Patient with Medulloblastoma. Poster presentation at American Association for Cancer Research (AACR) Annual Meeting, Atlanta, GA. April 2019.

39. Miller KE, Schieffer KM, Fitch J, Magrini V, Wetzel A, Boué D, Leonard J, Finlay J, Osorio DS, AbdelBaki M, Pierson CR, Drapeau A, Pindrik J, Leraas K, **Varga E,** Dishman D, Shoemaker L, Ross N, Pitts J, Gastier-Foster J, Cottrell CE, Wilson RK, Mardis ER. Poster Presentation at the American Association for Cancer Research (AACR) Annual Meeting, Atlanta, GA. April 2019.

40. Magrini V, McGrath S, Miller A, Schieffer K, Voytovich K, Fitch J, Bir N, Wetzel A, **Varga E,** Koo S, White P, Wilson R, Mardis E, Cottrell C. Delineation of Complex Genomic Alterations via Iso-Seq in a Comprehensive Genomic Profiling Protocol for Pediatric Cancer. Poster at the American College of Medical Genetics' meeting, Seattle, WA, April 2019.

41. Dunn A, Biega C, Widener P, Hallam M, **Varga E**, Casto L, Folta A. Improvement in Bleeding Disorder Knowledge in Adolescent and Young Adult Patients with Hemophilia. Poster Presentation at HTRS/NASTH 2019 Scientific Symposium, New Orleans, LA, May 2019.

42. Varga EA, Zajo K, Abraham R, Rose MJ, Prince B. Next-Generation Sequencing Panel Testing for the Diagnosis of Primary Immune Deficiency Diseases: A Two-Year Institutional Experience in Pediatric Patients with Immunohematologic Disorders. Lightening Poster Presentation, NICER Immunohematology Symposium, Columbus OH, September 2019.

43. Cottrell CE, Magrini V, **Varga E**, Vear S, Lichtenberg T, Leraas K, Schieffer K, Miller K, Wetzel A, Koboldt D, Kelly B, Fitch J, Brennan P, Wheeler G, White P, Pfau R, Finlay J, Leonard J, Osorio DS, AbdelBaki M, Koo S, Boué D, Pierson CR, Gastier-Foster J, Wilson RK, Mardis ER. Implementation of a Patient-Centric Protocol for the Comprehensive Genomic Profiling of Pediatric Tumors and Hematologic Disease. Poster Presentation, Association for Molecular Pathology, Baltimore, MD. November 2019.

44. Cottrell CE, Schieffer K, LaHaye S, Magrini V, **Varga E**, Lichtenberg T, Leraas K, Vear S, Miller K, Wetzel A, Koboldt D, Bedrosian T, Kelly B, Fitch J, Brennan P, Wheeler G, White P, Setty B, Finlay J, Leonard J, Osorio DS, AbdelBaki M, Koo S, Boué D, Pierson CE, Wilson RK, Mardis ER. Enrichment of Targetable Gene Fusion Events and their Associated Impact in a Pediatric Cancer Population. Platform presentation at Advances in Genome Biology and Technology, Marco Island, FL. February 2020.

45. Schieffer KM, Miller KE, **Varga E,** Leraas K, Koboldt DC, Brennan, P, Kelly BJ, Wheeler G, Bedrosian T, LaHaye S, Fitch J, Boué DR, Pierson CR, Agarwal V, Olshefski R, AbdelBaki MS, Leonard JR, Finlay JL, White P, Magrini V, Wilson RK, Mardis ER, Cottrell CE. Comprehensive Genomic Profiling in Individuals with Li-Fraumeni Syndrome and Somatic Disease Informs Patient Management and Treatment Decisions. ACMG Annual Clinical

ABSTRACTS *(continued)***:**

Genetics Meeting, San Antonio, TX, March 2020. *Due to Covid-19 related conference cancellation, this peer-reviewed abstract was accepted but not presented.*

46. Akhavanfard S, Ranalli M, **Varga E**, Schieffer K, Magrini V, Leraas K, Lichtenberg T, Vear S, LaHaye S, Miller K, Wetzel A, Koboldt D, Kelly B, Brennan P, Wheeler G, White P, Koo S, Boué DR, Wilson RK, Mardis ER, Cottrell CE. The Clinical Utility Of An N-of-1 Patient Study, Exemplified In A Patient With Primary Meningeal Melanoma. ACMG Annual Clinical Genetics Meeting, San Antonio, TX, March 2020. *Due to Covid-19 related conference cancellation, this peer-reviewed abstract was accepted but not presented.*

47. Melas M, **Varga E**, Schieffer K, Leraas K, Lichtenberg T, Colace S, Pfau R, Jayaraman V, LaHaye S, Miller K, Wetzel A, Koboldt D, Kelly B, Brennan P, Wheeler G, White P, Koo S, Aldrink J, Setty B, Lehman A, Magrini V, Wilson RK, Mardis ER, Cottrell CE. Comprehensive Tumor Profiling Reveals Unexpected Constitutional Diagnoses of Tuberous Sclerosis and Insulin-like Growth Factor 1 (IGF-1) Resistance. Poster presentation at the ACMG Annual Clinical Genetics Meeting, San Antonio, TX, March 2020. *Due to Covid-19 related conference cancellation, this peer-reviewed abstract was accepted but not presented.*

48. Leraas K, Shatara M, Rodriquez D, Magrini V, **Varga E,** Colace S, Lichtenberg T, Schieffer K, Miller K, LaHaye S, Brunson A, Blakey B, Wetzel A, Koboldt D, Kelly B, Fitch J, Brennan P, Wheeler G, White P, Pfau R, Finlay J, Leonard J, Osorio DS, AdbelBaki M, Koo S, Boue D, Pierson CR, Wilson RK, Mardis ER, Cottrell CE. Comprehensive Molecular Profiling of Synchronous Tumors in Individuals with *SMARCB1* Germline Alteration Reveals Unique Molecular Signatures. Poster presentation at the American Association for Cancer Research (AACR) Annual Meeting, San Diego, CA, April 2020. *Due to Covid-19 related conference cancellation, this peer-reviewed abstract was accepted but not presented.*

49. Lichtenberg T, Schieffer K, **Varga E,** Colace S, Leraas K, Franklin S, Kelly B, White P, Magrini V, Wilson RK, Mardis ER, Cottrell CE. Putting the Meaning in Metadata: How to Collect, Harmonize and Share Non-Genomic Patient Data Used During Genomic Analysis. Poster presentation at American Association for Cancer Research (AACR) Annual Meeting, San Diego, CA, April 2020. *Due to Covid-19 related conference cancellation, this peer-reviewed abstract was accepted but not presented.*

50. Moussa A, Schieffer KM, Kelly B, Miller K**, Varga E,** LaHaye S, Magrini V, Cottrell CE, Mardis ER, Wilson RK. The Commercial Cancer Panel Conundrum. New England Science Symposium, Boston, MA, April 2020. *Due to Covid-19 related conference cancellation, this peer-reviewed abstract was accepted but not presented.*

51. **Varga EA**, Zajo K, Rose MJ, Prince B. Diagnostic Yield of a Next-Generation Sequencing Panel for Primary Immunodeficiencies in a Cohort of Pediatric Patients with Immunohematologic Disorders. Poster Presentation at Clinical Immunology Society 2020, Denver, CO April 2020. *Due to Covid-19 related conference cancellation, this peer-reviewed abstract was accepted but not presented.*

ABSTRACTS *(continued)***:**

52. Gupta A, Belsky J, Schieffer KM, Leraas K, **Varga E,** Wilson RK, Magrini V, Mardis ER, Koo SC, Cottrell CE, Setty B. Infantile Fibrosarcoma-like Tumor Driven by Novel Fusion *RBPMS-MET* Successfully Consolidated with Cabozantinib. Poster at American Society of Pediatric Hematology/Oncology, Fort Worth, TX, May 2020.

53. Shatara M, Boué DR, Pierson CR, Sribnik E, Jones J, Rodriguez D, Schieffer KM, Deeg C, Hamelberg E, LaHaye S, Magrini V, Wilson RK, Mardis ER, Cottrell CE, **Varga E,** AbdelBaki MS, Finlay JL, Osorio DS. Novel oncogene amplification in spinal ependymoma involving the *myc* locus (8q24), Accepted for The 19th Annual International Symposium on Pediatric Neuro-Oncology, Nagano, Japan, December 2020.

54. Shatara M, Abu Arja MH, Conley SE, Patel P, Boué DR, Pierson CR, Thomas DL, Meyer EK, Shah SH, Jones J, Martin L, McAllister A, Schieffer KM, **Varga EA**, Leraas K, Lichtenberg T, LaHaye S, Miller KE, Magrini V, Wilson RK, Mardis ER, Cottrell CE, Aldrink JH, Auletta JJ, Pindrik J, Leonard JR, Osorio DS, Finlay JR, Ranalli M, AbdelBaki MS. Rhabdoid predisposition syndrome: report of molecular profiles and treatment approach in three survivors with synchronous atypical teratoid/rhabdoid tumor and malignant rhabdoid tumor. Accepted for The 19th Annual International Symposium on Pediatric Neuro-Oncology, Nagano, Japan, December 2020.

55. Shatara M, **Varga E,** Boué DR, Martin L, Rusin J, Rodriguez DP, Jones J, McAllister A, Leonard J, Pindrik J, Schieffer KM, Lichtenberg T, Leraas K, Mardis ER, Cottrell CE, Osorio DS, AbdelBaki, MS, Finlay JL. Noonan syndrome and glioneuronal tumors: a central nervous system cancer predisposition association? Accepted for The 19th Annual International Symposium on Pediatric Neuro-Oncology, Nagano, Japan, December 2020.

56. Varga EA, Mustillo P, Prince BT, Abraham RS. Integration of Genetic Counseling Services into an Immunodeficiency Clinic: Roles of the Genetic Counselor and Impact on Patient Evaluation and Care. American Society of Human Genetics, Virtual Poster Presentation, October 2021.

PUBLICATIONS – PATIENT EDUCATION MATERIALS, OTHER PUBLICATIONS

1. *Genetics of Thrombophilia- Part 1*- "The Blood Clot Connection", American Thrombosis Association, Oct/Nov 2002.
2. *The Genetics of Male and Female Factor Infertility*, brochure, University of Kansas Medical Center, October 2003.

3. *Genetics of Thrombophilia- Part 2*- "The Blood Clot Connection", American Thrombosis Association, Dec/Jan 2003

4. *The Pedigree Before the Pill*, "Genetics In Practice" newsletter, National Coalition for Health Professional Education in Genetics (NCHPEG), Spring 2004.
5. *Personalized Risk Assessment*, brochure, The Ohio State University Adult Medical Genetics Program, November 2004.

PUBLICATIONS – PATIENT EDUCATION MATERIALS, OTHER PUBLICATIONS

6. *Genetic Counseling for Hereditary Thrombophilias*, brochure, The Ohio State University Adult Medical Genetics' Program, November 2004.

7. *Family Testing for Blood Clotting Disorders*, National Alliance for Thrombosis and Thrombophilia, September 2005.

8. *A "Perspective" on Thrombophilia*, Perspectives Newsletter, National Society of Genetic Counselors, Summer 2009.

9. *Genetic Counseling: Helping Families Bridge the Gap with Key Information*. Contributor and reviewer, HemAware Magazine, The National Hemophilia Foundation, March 2014.

10. *Why You Shouldn't Know Too Much About Your Genes,* Contributor, Washington Post article (https://www.washingtonpost.com/news/wonk/wp/2015/09/11/the-powerful-argument-for-not-learning-too-much-about-your-genes/), September, 2015.

11. *5 Questions to Ask Before Ordering an At-Home DNA Test,* Contributor, National Society of Genetic Counselors, 2016. (www.nsgc.org/d/do/5036)

BOOK CHAPTERS

Genomics 101 for Immunologists, Commissioned 2020, Springer, author/contributor to two chapters and case study (in press)

Clinical Genomics: A Guide to Clinical Next Generation Sequencing. Chapter 24, Ethical Challenges Posed by Genomic Technologies, Commissioned October 2021, Elsevier. In Press

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*

GRANT REVIEW

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

EDITORIAL AND REVIEW ACTIVITIES *(continued)*:

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

TEACHING:

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
2002 – 2003	Lecturer Pathology, University Course 850 The University of Kansas Medical Center, Kansas City, MO
2002 – Present	Volunteer Clinical Instructor College of Allied Health Sciences, University of Cincinnati, Cincinnati, OH
2001	Graduate Teaching Assistant, Biology in the Human Context University of Cincinnati, Cincinnati, OH

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 Orleans, LA.

CONFERENCES AND SYMPOSIA *(continued)*:

6. 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

7. Co-Organizer and Speaker, Life Consortium and Li-Fraumeni Syndrome Association Conference Planning Committee, June 2-3, 2016, Columbus, OH.

8. 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.

9. 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.

10. Organizer and Speaker, Workshop entitled "Immunology Boot Camp", Clinical Immunology Society, April 3, 2020. Due to COVID-19 pandemic, event was cancelled.

LECTURES/PRESENTATIONS:

NATIONAL/INTERNATIONAL

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)
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

LECTURES/PRESENTATIONS *(continued)*:

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

LECTURES/PRESENTATIONS *(continued)***:**

4/29/2005 A Test for All Seasons
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

Local/Regional

9/27/2019 Rare Diseases that Aren't So Rare: How Next-Generation Sequencing has Revolutionized Recognition, Diagnosis and Treatment of Inborn Errors of Immunity
Ohio Association of Genetic Counselors' Annual Conference, Cincinnati, OH

9/18/2018 Genetic Counseling
9/20/2019 Olentangy Hyatts Middle School, Powell, OH

11/22/2016 When Does Pediatric Cancer Suggest Hereditary Cancer Predisposition?
Webinar recording for the Ohio Cancer Genetics, Network, Ohio Department of Health, Columbus, OH
Accessible at: https://www.train.org/odh/course/1072720/compilation (9/22/17)

3/14/2015 My Life, Our Future Genotyping Initiative
Presentation at Hemophilia Infusion Weekend, Mt. Sterling, OH

1/24/2014 How to Interpret 23andMe Health Results
Hamilton County Genealogical Society and the Genealogical and Local History Department of the Public Library of Cincinnati and Hamilton County, Cincinnati, OH

9/20/2013 A Personal Experience of Whole Genome Sequencing
Ohio Genetic Counselors' Regional Meeting, Columbus, OH

LECTURES/PRESENTATIONS *(continued)***:**

3/30/2013 Genetics of Hemophilia and vWD
Hemophilia Infusion Weekend, Newark, OH

9/21/2012 Emerging Opportunities for Genetic Counselors in Pediatric Hematology/Oncology
Annual Meeting of Ohio Genetic Counselors, Cincinnati, OH

4/19/2012 Hereditary Thrombophilias
Cincinnati Children's Hospital Medical Center/University of Cincinnati Genetic Counseling Program, Cincinnati, OH

3/31/2012 Genetic Counseling

Girls Discover Genetics Workshop, Center for Science and Industry (COSI), Columbus, OH

3/5/2011 Genetics of Hemophilia and VWD
Hemophilia Infusion Weekend, Mt. Sterling, OH

4/6/2010 Hereditary Thrombophilias
Cincinnati Children's Hospital Medical Center/University of Cincinnati Genetic Counseling Program, Cincinnati, OH

11/20/2007 Genetics of Autism Spectrum Disorders
Topics in Medical Genetics Class, Cincinnati Children's Hospital, Cincinnati, OH

9/26/2007 Prenatal Diagnosis and Preimplantation Genetic Diagnosis
Reproductive Biology Class, Denison University, Granville, OH

3/26/2007 Genetic Counseling
Zoology 400, Miami University, Oxford, OH

9/26/2006 Hereditary Thrombophilias
Cincinnati Children's Hospital/University of Cincinnati Genetic Counseling Program, Cincinnati, OH

5/20/2005 Hereditary Thrombophilias: The Role of Genetic Counselors and One Graduate's Journey (Professionalism)
Cincinnati Children's Hospital/University of Cincinnati Genetic Counseling Program, Cincinnati, OH

3/30/2005 Genetic Thrombophilias
Medicine Grand Rounds, VA Hospital, Chillicothe, OH

9/6/2004 Hereditary Thrombophilias as Related to Recurrent Pregnancy Loss
Baptist Lutheran Medical Center CME Program, Kansas City, MO

4/19/2003 Epidemiological Survey of Gastroschisis- Gastroschisis in Eastern Kansas
Great Plains Organization for Perinatal Health Care 34th Annual Regional Conference, Overland Park, KS

LECTURES/PRESENTATIONS *(continued)***:**

4/12/2003 Hereditary Thrombophilias as Related to Recurrent Pregnancy Loss
Overland Park Regional Medical Center CME Program, Overland Park, KS

2/16/2003 Genetic Thrombophilias: Implications for Obstetrics and Gynecology
Kansas University Gynecological Society, Kansas City, KS

10/12/2003 Genetic Counseling: Indications for Referral
Department of Family Medicine, University of Kansas Medical Center, Kansas City, KS

9/16/2003 Genetic Counseling: Indications for Referral
Johnson County Health Department In-Service, Kansas City, KS

2/14/2002 Hereditary Thrombophilias for the Genetic Counselor
University of Cincinnati Genetic Counseling Program, Cincinnati, OH

Institutional

10/6/2020 Industry Roles for Genetic Counselors
The Ohio State University Genetic Counselor Program
The Ohio State University, Columbus, OH

4/8/2020 Coagulation Disorders, Didactic for Genetic Counselors
The Ohio State University Genetic Counseling Program
The Ohio State University, Columbus, OH

10/18/2019 Allergy/Immunology Genetics Didactic and Application Workshop
Division of Allergy and Immunology, Fellow lecture
Nationwide Children's Hospital, Columbus OH

12/14/2018 Hereditary Cancer Predisposition
Hem/Onc/BMT Fellow Lecture
Nationwide Children's Hospital, Columbus, OH

9/21/2018 Hereditary Cancer Predisposition
Twitter Chat
Nationwide Children's Hospital, Columbus, OH

7/19/2018 Hem/Onc Genetic Counseling
Hem/Onc/BMT Fellow Lecture
Nationwide Children's Hospital, Columbus, OH

6/1/2018 Pediatric Cancer
Laboratory Fellows Presentation
Nationwide Children's Hospital, Columbus, OH

4/11/2018 Direct to Consumer Genetic Testing
The Ohio State University Genetic Counseling Program
The Ohio State University, Columbus, OH

LECTURES/PRESENTATIONS *(continued)***:**

1/24/2018 Hereditary Thrombophilia
The Ohio State University Genetic Counseling Program
The Ohio State University, Columbus, OH

1/19/2018 Cancer Genetics Clinic
2018 State of the Service Line- Hem/Onc/BMT
Nationwide Children's Hospital, Columbus, OH

1/11/2018 Pediacast on Genetic Counseling
http://www.pediacast.org/solid-foods-window-blinds-genetic-counseling-pediacast-393/
Nationwide Children's Hospital, Columbus, OH

8/22/2017 Hem/Onc Genetic Counseling and Testing
Lecture for Hem/Onc/BMT Fellows
Nationwide Children's Hospital, Columbus, OH

4/12/2017 Direct to Consumer Genetic Testing
The Ohio State University Genetic Counseling Program
The Ohio State University, Columbus, OH

1/25/2017 Case Presentation- Nijmegen Breakage Syndrome
Seminar Series- OSU Genetic Counseling Program
The Ohio State University, Columbus, OH

10/13/2016 Cancer TBL
10/12/2017 Lecture for First Year Medical Students (Foundations 2)
The Ohio State University, Columbus, OH

5/28/2016 Genetic and Genomic Testing within Hem/Onc/BMT
Genomics Advisory Group
Nationwide Children's Hospital, Columbus, OH

5/22/2015 Genetics and Genomics for Hematologists and Oncologists
Lecture for Hem/Onc/BMT Fellow and Faculty
Nationwide Children's Hospital, Columbus, OH

Genetics Journal Club
Nationwide Children's Hospital, Columbus, OH

4/25/2015 Genetics of Sickle Cell Disease
Community Presentation at Nationwide Children's Hospital, Columbus, OH

4/24/2015 Direct Access Genetic Testing
The Ohio State University Genetic Counseling Program
The Ohio State University, Columbus, OH

4/1/2015 Pediatric Hereditary Cancer Syndromes
The Ohio State University Genetic Counseling Program
The Ohio State University, Columbus, OH

LECTURES/PRESENTATIONS *(continued)***:**

3/23/2015 Hemoglobinopathies; Coagulation Disorders
The Ohio State University Genetic Counseling Program
The Ohio State University, Columbus, OH

9/6/2013 Sickle Cell Anemia and the Thalassemias
9/4/2014 Lecture of Medical Genetics Fellows
Nationwide Children's Hospital, Columbus, OH

8/14/2013 Introduction to Clinical Foundations 1: Genetics of Hemoglobin Disorders
Lecture for Med 1 Students
The Ohio State University, Columbus, OH

7/1/2013 Direct to Consumer Genetic Testing
6/9/2014 Lecture for P4 Medicine/Medical Students
The Ohio State University, Columbus, OH

2/1/2013 Pediatric Hereditary Cancer Syndromes
6/13/2014 Lecture for Hem/Onc/BMT Fellows
Nationwide Children's Hospital, Columbus, OH

12/13/2011 Whole Exome Sequencing: Implications for Hematology/Oncology
Nationwide Children's Hospital, Columbus, OH

8/16/2011 Hem/Onc Genetic Counseling (recurrent presentation)
11/29/2011 Nationwide Children's Hospital, Columbus, OH
12/8/2011

2007-Present Journal Club presentations, Genetics Clinic Conference participation
Nationwide Children's Hospital, Columbus, OH

5/11/2005 Genetic Thrombophilias: A Comprehensive Approach to Patients and Families
Family Medicine Grand Rounds
The Ohio State University, Columbus, OH

2/17/2005 Genetic Thrombophilias: A Comprehensive Approach to Patients and Families
Internal Medicine Grand Rounds
The Ohio State University, Columbus, OH

2/4/2003 Cystic Fibrosis Carrier Screening
Division of Obstetrics and Gynecology Grand Rounds
University of Kansas Medical Center, Kansas City, KS

DIRECT SUPERVISION - ADVISEES:

2019 Rachel Marbach
Keith Pelstring
Leah Lindak
Kelly Drelles
7 week rotation, 1-2 days/week

DIRECT SUPERVISION - ADVISEES:

2018 Jennifer Gauerke
Marie-Louise Henry
Kelly Rich
Julia Coltri
Katherine Myers
Alayne Meyer
7 week observation rotations, 1 day/week
7 week rotation, 2 days/week (J. Coltri)

2016-2018 Paul Hudson
The Ohio State University, Columbus, OH

Masters in Genetic Counseling
Thesis: Defining the role of a genetic counselor within comprehensive care teams: perspectives of the provider team and patients.

2017 Paul Hudson
Holly Klepek
Kyle Dillahunt
7 week observation rotations, 1 day/week
7 week rotation, 2.5 days/week (K. Dillahunt)
The Ohio State University Genetic Counseling Program

2016 Tamara Reynolds
Megha Ranganathan
Brenda Zuniga
Madison Bernhardt
Paul Hudson
3 week observation rotations, 1 day/week
7 week summer student, 36 hours/week (T. Reynolds)
The Ohio State University Genetic Counseling Program

2015 Hayley Winslow
Rachel Connell
Rebecca Schymansky
Tamara Reynolds
Maggie Stein
3 week observation rotations, 1 day/week
The Ohio State University Genetic Counseling Program

2014 Sophie Crowdes
Alexandra Ilacqua
Andrew McFadden
Athena Puski
Donika Saporito
Alexandra Suttman
Karin Wagner
3-7 week clinical rotations, 1-2 days/week
The Ohio State University Genetic Counseling Program, Columbus, OH

DIRECT SUPERVISION – ADVISEES *(continued)***:**

2012 – 2013 Erika Holt
Case Western Reserve University, Cleveland, OH
Maters in Genetic Counseling
Thesis: Perceptions of Severity of Children's Bleeding Disorders: Impact on Parental Quality of Life and Reproductive Decisions

2006 – 2007 Maegan Roberts
Sarah Lawrence College, Yonkers, NY
Masters in Genetic Counseling