Kathleen E. Steinberg *(née January)***, MS, LCGC**
Senior Genetic Counselor, Massachusetts General Hospital, Center for Cancer Risk Assessment

Employment Experience

Massachusetts General Hospital
Center for Cancer Risk Assessment
Senior Genetic Counselor (May 2021 – Current)
Genetic Counselor (May 2019 – May 2021)
Address: 55 Fruit Street, Yawkey Building, Suite 10B, Boston, MA, 02114

- Provide genetic counseling for patients in the Center for Cancer Risk Assessment
- Provide consultation services for patients in other MGH Cancer Center disease centers and clinics
- Provide genetic counseling services for satellite clinics as part of MGH Cancer Center's community outreach programs or actively participate in the development and expansion of existing MGH Cancer Center clinics/consult programs
- Obtain and/or review medical records documentation of cancer and other diagnoses to facilitate evaluation and assessment of family histories
- Coordinate collection of blood and tissue samples for genetic analysis
- Communicate with patients, other genetic counselors and health care professionals to review family histories and determine eligibility for genetic testing and research protocols
- Liaison with patients and laboratories regarding insurance issues surrounding genetic testing
- Aid in the professional development of genetic counseling interns, medical students and other health care providers
- Educate oncology and community health care providers about cancer genetics, hereditary cancer syndromes and appropriate referrals
- Facilitate patient support groups, organize patient educational seminars and conferences and create patient-oriented materials regarding cancer genetics
- Teach genetics classes for genetic counseling students and medical students
- Clinically supervise genetic counseling interns, medical students and genetics fellows
- Communicate with media and outside organizations regarding cancer genetics, hereditary cancer syndromes and genetic counseling services
- Aid in clinical research studies on hereditary cancer syndromes and/or cancer prevention
- Submit data for abstracts or presentation at major genetics and/or oncology meetings and/or submit manuscripts for publication
- Serving as a mentor/guide for other staff
- Participate in internal education of genetic counselors and other staff in the CCRA through patient reviews, journal clubs and lectures as necessary

Massachusetts General Hospital
Perinatal Diagnostic Unit
Genetic Counselor (November 2017 – May 2019)
Address: 55 Fruit Street, Yawkey Building, Suite 4F, Boston, MA, 02114

- Provided prenatal genetic counseling for individuals whose fetus is identified to have or be at an increased risk for a congenital anomaly or a genetic condition
- Provided prenatal genetic counseling for individuals interested in routine genetic screening and/or testing for fetal aneuploidy, monogenic disease, and/or other chromosomal anomalies
- Coordinated screening and diagnostic testing and provided follow-up
- Coordinated all aspects of genetic consultations for individuals and families
- Provided triage for referrals and incoming calls
- Obtained and evaluated obstetric, medical, and family histories to provide risk assessment for patient, offspring, and other family members for genetic, non-genetic, and multifactorial disease
- Discussed features, prognosis, genetic testing options, and management of genetic and/or medical conditions with patients and families
- Identified and coordinated genetic laboratory testing
- Explained clinical implications of genetic laboratory testing results to patients
- Integrated genetic laboratory results and other diagnostic studies with personal and family histories to assess and communicate risk factors for genetic or medical conditions
- Evaluated patient's and family's response to genetic information reviewed and provided counseling
- Provided psychosocial support and counseling
- Provided written documentation of patient interactions in the electronic medical record
- Referred patients to appropriate providers and educational resources
- Participated in the teaching and education of interns, residents, medical students, midwives, nurses, and medical assistants
- Supervised and taught genetic counseling students
- Mentored less senior genetic counselors
- Presented high risk patient summary at weekly case conference
- Tracked laboratory orders and pending results
- Aided in development of department protocols
- Identified issues/concerns and addresses them in conjunction with clinical staff

Dartmouth-Hitchcock
Department of Maternal-Fetal-Medicine
Genetic Counselor (July 2015-November 2017)
Address: 1 Medical Center Drive, Lebanon, NH 03766

- Provided prenatal genetic counseling for individuals whose fetus is identified to have or be at increased risk for a congenital anomaly or genetic condition
- Provided preconception genetic counseling to individuals undergoing genetic evaluation for infertility or individuals requesting routine preconception genetic evaluation
- Coordinated screening and diagnostic testing and provided follow-up
- Coordinated all aspects of genetic consultations for individuals and families
- Provided triage for referrals, incoming calls, and inpatient consults
- Obtained and evaluated obstetric, medical, and family histories to provide risk assessment for patient, offspring, and other family members for genetic, non-genetic, and multifactorial disease
- Discussed features, prognosis, genetic testing options, and management of genetic and/or medical conditions with patients and families

- Identified and coordinated genetic laboratory testing
- Explained clinical implications of genetic laboratory testing results to patients
- Integrated genetic laboratory results and other diagnostic studies with personal and family histories to assess and communicate risk factors for genetic or other medical conditions
- Evaluated patient's and family's response to the genetic information reviewed and provided counseling
- Provided psychosocial support and counseling
- Provided written documentation of patient interactions in the electronic medical record
- Referred patients to appropriate providers and educational resources
- Participated in the teaching and education of residents, medical students, and internal and external obstetricians, midwives, nurses, and medical assistants
- Participated in the supervision, teaching, and education of genetic counseling students
- Assisted with interviewing and hiring of new employees in conjunction with director of Maternal-Fetal-Medicine
- Maintained the departmental prenatal diagnosis database
- Participated in ongoing research activities of the program and the development of department protocols
- Identified issues/concerns and addressed them in conjunction with clinical staff

Children's Hospital of Philadelphia
Center for Cornelia de Lange Syndrome and Related Diagnoses
Research Assistant (May 2014- May 2015)
Address: 34th Street and Civic Center Boulevard, Philadelphia, PA 19104

- Drafted and implemented patient and family surveys
- Reviewed and ensured proper patient registration and eligibility
- Analyzed and ensured accuracy of clinical data collected
- Counseled patients on the nature of research in appropriate and compassionate manner
- Worked closely with physician principal investigators to ensure appropriate conduct of study and assessment of study objectives
- Wrote and published scientific journal articles, abstracts, and proposals

Johns Hopkins University
School of Medicine, Department of Oncology, Division of Hematologic Malignancies
Senior Clinical Research Program Coordinator (September 2010-August 2013)
Address: Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, the Harry and Jeanette Weinberg Building, Ste. 1100, 401 N. Broadway, Baltimore, MD 21280

- Managed the clinical course and collection of research data on investigator initiated, industry and multicenter clinical trials for leukemia, lymphoma, multiple myeloma, bone marrow transplant, and corresponding cancer genetics research protocols at the Sidney Kimmel Comprehensive Cancer Center
- Counseled patients on nature of clinical trial, obtained informed consent, and ensured proper registration and eligibility
- Worked effectively on a multidisciplinary team with physicians, pharmaceutical representatives, research nurses and administrative personnel while ensuring study team's adherence to protocol
- Managed, interviewed, trained, and mentored junior staff members and ensured their compliance with departmental procedures

- Significantly contributed to evaluating health systems integration and efficiency at Johns Hopkins and suggested modifications to restructure the current data reporting framework in order to meet federal requirements. Consequently improved interdepartmental communication and streamlined federally mandated reporting to the Center for International Blood and Marrow Transplant Research (CIBMTR) cancer center wide
- Played a lead role in the design, review, and establishment of a Cancer Center wide Hematologic Malignancies Bone Marrow Transplant and Leukemia Database

Boston University
College of Arts and Sciences, Department of Biology
Endocrinology and Developmental Biology Group
Research Assistant (May 2008-May 2010)
Address: 5 Cummington Mall, Boston, MA 02215

- Investigated how Morpholino-mediated knockdown of genes encoding estrogen receptor-alpha and beta in Zebrafish embryos reveal differential regulation of estrogen responsive target genes during early embryo development
- Independent responsibility for zebrafish breeding, project development, laboratory assays, data collection and analysis, quality assurance, preparing written reports and formal presentations, tracking laboratory finances and expenditures, supervising and training new laboratory members

University of Wisconsin
School of Medicine and Public Health, Department of Medicine
Cardiac Ion Channels and Embryonic Stem Cell-Derived Cardiomyocytes Group
Research Assistant (May 2007-September 2007)
Address: Wisconsin Institutes for Medical Research, 1111 Highland Ave, Madison, WI 53705

- Investigated generation of human embryonic stem cell derived cardiomyocytes and aided in identification of Nkx2.5 gene enhancer sequence (early marker of pluripotent cardiac cells)
- Preformed laboratory assays, managed research data and aided in data analyses

University of Wisconsin
School of Medicine and Public Health, Cardiovascular Research Center
Ion Channels Group
Research Assistant (June 2005-August 2006)
Address: Wisconsin Institutes for Medical Research, 1111 Highland Ave, Madison, WI 53705

- Investigated mechanisms of mutant ion channels in human genetic inherited arrhythmia syndromes, such as Long QT Syndrome
- Preformed laboratory assays, managed research data and aided in data analysis

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Academic Experience

Arcadia University, Genetic Counseling Training Program. (August 2013- May 2015)
MS GC
Program Director: Kathleen Valverde, MS CGC (Program Director)
Address: 776 Limekiln Pike, Glenside, PA 19038

Children's Hospital of Philadelphia
Leadership Education in Neurodevelopmental Disabilities (LEND) fellowship. (July 2014-June 2015)
An interdisciplinary training program, supported by the federal Maternal and Child Health Bureau, dedicated to improving the systems of healthcare for families and affected individuals with neurodevelopmental disabilities and chronic health conditions. Didactic coursework and experiential activities promote leadership development.
Supervisor: Judith Silver, PhD (Director)
Phone: 215-590-7723
Email: silverj@email.chop.edu
Address: 34th Street and Civic Center Boulevard, Philadelphia, PA 19104

Boston University, College of Arts and Sciences. (August 2006- May 2010)
Bachelor of Arts in Biology
Address: One Silber Way Boston, MA 02215

Publications

- Burns R, Niendorf K, **Steinberg K**, Mueller A, Ly K, Jordan J, Plotkin S, Hicks S. Genetic testing to gain diagnostic clarity in neurofibromatosis type 2 and schwannomatosis. (Article in press, accepted for publication Am J Med Genet)
- Guseh S, Wilkins-Haug L, Kaimal A, Dunn-Albanese L, Adams S, Carroll S, Discenza M, Dobson L, Brillinger M, Foster J, Gbur S, Green H, Herrig N, Mandigo C, Pacione M, Roberts P, Sassaman A, **Steinberg K**, Studwell C, Gray KJ. Utility of noninvasive genome-wide screening: a prospective cohort of obstetric patients undergoing diagnostic testing. Genet Med. 2021 Mar 29. PMID: 33782554.
- **January K**, Noon S, Loomes K, Harrington H, Deardorff M, Pipan M, Conway L, Krantz I. Benefits and Limitations of a Multidisciplinary Approach to Individualized Management of Cornelia de Lange Syndrome and Related Diagnoses. American Journal of Medical Genetics Part C: Seminars in Medical Genetics. June 2016, 172 (2): 237-45.
- Griffin L, **January K,** Ho K, Cotter K, Callard G. (2013) Morpholino-Mediated Knockdown of ER, ER-alpha, and ER-beta mRNAs in Zebrafish (Danio rerio) Embryos Reveals Differential Regulation of Estrogen-Inducible Genes. Journal of Endocrinology, 154: 4158–4169, 2013.

Poster Presentations

- Bergstrom K, Smith-Simmer K, Deuitch N, Hamilton K, Handford C, Schienda J, Bear L, Eggen A, Griffin B, Rode J**, Steinberg K,** Cooper J. Somatic and Germline Atypical Case Presentations of Hereditary Predisposition to Hematologic Malignancy. National Society of Genetic Counselors Annual Education Conference. September 22-26, 2021.
- Chitre A, Lichten L, **Steinberg K,** Buell T, Thekkedam S. Understanding Stigma among Genetic Counselors and Students towards Mental Illness using the Opening Minds Stigma Scale for Health Care Providers (OMS-HC). National Society of Genetic Counselors Annual Education Conference, Salt Lake City, UT, November 5-8, 2019.
- Ye B, Wada T, Kroboth L, **January K**, McNally E, Makielski J. Intra-exonic splicing generates mitochondrial SUR2 short forms in mouse hearts. Shi, N-Q., JMCC. 44(6), supple 1: S22, 2008. The 30th International Society for Heart Research. Cincinnati, OH.

Invited Lectures/Chaired Sessions

- Hereditary Hematologic Malignancies. Massachusetts General Hospital. Institute For Health Professions. March 2, 2021.
- Hereditary Hematologic Malignancies. Massachusetts General Hospital. Institute For Health Professions. March 2, 2021. February 26, 2020.
- Genetic Predisposition for Pancreatic Cancer: Communicating Risk in Families. Pancreatic Cancer: Your Family, Genes, and Cancer Risk. Virtual. November 6, 2021.
- Blout C, Schweitzer E, **Steinberg K.**, Waxler J, Flynn M. Successes and Challenges in the Face of a Rapid Pivot to Virtual Supervision. MGH Institute of Health Professions, Genetic Counseling Conference: What can we learn from 2020? Boston, MA. August 21, 2020. Virtual.
- Hereditary Ovarian Cancer. Maxwell & Eleanor Blum Patient and Family Learning Center Program. Mass General Hospital. August 3, 2020.
- Leadership Education in Neurodevelopmental Disabilities Research Symposium, Philadelphia, PA, May, 20th, 2015. (session chair)
- BRCA and Triple-Negative Breast Cancer. Facing Our Risk of Cancer Empowered (FORCE) Annual Conference. June 14, 2014. (session chair)
- Young Survivors Workshop. Facing Our Risk of Cancer Empowered (FORCE) Annual Conference. June 14, 2014. (session chair)

Certifications and Licensure

- American Board of Genetic Counseling - February 2, 2016, currently active
- New Hampshire Genetic Counselors Governing Board - May 2016, currently active
- Commonwealth of Massachusetts, Board of Registration of Genetic Counselors - November 2017, currently active