University of Pennsylvania Master of Science in Genetic Counseling

Internship Sites at

**22q and You Center**

The 22q and You Center at Children’s Hospital of Philadelphia is an internationally recognized leader in the diagnosis and treatment of children with chromosome 22q11.2 deletion.

**Genetic Counselors**

Donna McDonald-McGinn, MS, LCGC  
Heather Hain, PhD, LCGC

**Beckwith Wiedemann Syndrome Clinic**

The team at the Beckwith-Wiedemann Syndrome Clinic at Children’s Hospital of Philadelphia (CHOP) provides support and medical guidance for children with these genetic and epigenetic disorders: Beckwith-Wiedemann syndrome, 11p Overgrowth Spectrum, hemihypertrophy/lateralized overgrowth and related disorders.

**Genetic Counselor**

Evan Hathaway, MS, LCGC

**Biochemical Genetics**

The [Metabolic Disease Program](#) at Children's Hospital of Philadelphia provides state-of-the-art diagnostic and treatment services for genetic metabolic disorders.

**Genetic Counselors**

Nicole Engelhardt, MS, LCGC  
Kierstin Keller, MS, LCGC  
Caitlin Menello, MS, LCGC  
Jessica Barry, MS, LCGC

**Cardiology Genetics**

The [Familial Cardiomyopathy Program](#) is a special program for patients with cardiomyopathies. It unites the breadth of resources from two premier institutions, Children’s Hospital of Philadelphia (CHOP) and Penn Medicine. Our team members are among the best in the country in the treatment of cardiomyopathies.

**Genetic Counselor**

Alyssa Ritter, MS, LCGC
Center for Applied Genomics

The Center aims to discover the genetic causes of prevalent childhood diseases and translate findings into medical innovations. The Center is engaged in a number of major research projects and aims to collect and analyze data from more than 100,000 children.

Genetic Counselors
Heather Hain, PhD, LCGC
Margaret Harr Horton, MS, LCGC

Center for Fetal Diagnosis & Treatment

The Center provides an unmatched level of care for babies with prenatally diagnosed birth defects — since 1995, they've cared for more than 25,289 expectant parents from around the world and performed more than 1,847 fetal surgeries. Every day they’re searching for new ways to treat these life-threatening conditions, offering hope for a better future for all children with birth defects.

Genetic Counselors
Natalie Burrill, MS, LCGC
Lisa Pilchman, MS, LCGC
Erica Schindewolf Bobenchik, MS, LCGC

Center for Mitochondrial Medicine

Mitochondrial Medicine at Children’s Hospital of Philadelphia (CHOP) is emerging as the premiere center in the world for multidisciplinary clinical care, advanced diagnostics and therapies, and individualized basic, translational, and clinical research programs dedicated to improving the health of patients of all ages living with mitochondrial disease. Mitochondrial Medicine is designated a Frontier Program by CHOP. Frontier Programs are unique, cutting-edge programs that will forge important new discoveries, deliver novel therapies, and help even more children and adults thrive.

Genetic Counselors
Elizabeth McCormick, MS, LCGC
Colleen Muraresku, MS, LCGC
James Peterson, MS, LCGC

Clinical Genetics Center

The Clinical Genetics section provides comprehensive diagnostic evaluations, follow-up care and genetic counseling for both inpatients and outpatients. Patients are seen by a clinical geneticist and a genetic counselor. Individuals with developmental delays, intellectual disabilities, birth defects, multisystem medical problems, unusual facial features or failure to thrive are referred for evaluation and diagnosis of a genetic syndrome or a chromosomal abnormality.

Genetic Counselors
Sarah Donoghue, MS, LCGC
Beth Keena, MS, LCGC
Donna McDonald-McGinn, MS, LCGC
Morgan McManus, MS
**Division of Genomic Diagnostics**

The Division of Genomic Diagnostics (DGD) provides a wide spectrum of testing for genetic conditions, cancer diagnosis and treatment, and histocompatibility and immunogenetics. Testing ranges from genome wide analyses, such as cytogenetics, chromosomal microarray analysis and exome sequencing to more targeted testing, including HLA typing, fluorescence in situ hybridization (FISH), gene panels and single gene testing.

**Genetic Counselors**
- Katie Bruder, MS
- Colleen Campbell, MS, LCGC
- Jiani Chen, MS, LCGC
- Elizabeth DeChene, MS, LCGC
- Elizabeth Fanning, MS, LCGC
- Daniel Gallo, MS, LCGC
- Elizabeth Hopkins Denenberg, MS, LCGC
- Lauren Lulis, MS, LCGC

**Endocrinology Genetics Clinic**

The [Congenital Hyperinsulinism Center](#) brings together a team of congenital hyperinsulinism experts who work together to provide specialized, patient-centered and seamless care for children with congenital HI and their families.

**Genetic Counselor**
- Victoria Sanders, MS, LCGC

**Friedreich's Ataxia Program**

Children and young adults with Friedreich's ataxia (FA) find dedicated, expert care at CHOP’s Friedreich's Ataxia Program. The program is part of the Friedreich’s Ataxia Center of Excellence, a first-of-its-kind collaboration of leading FA experts committed to promoting FA research and clinical care. From initial diagnosis and testing through long-term disease management, we provide comprehensive care for children and adults from all over the world with this rare, progressive neurogenetic condition.

**Genetic Counselors**
- Lauren Hauser, MS, LCGC
- McKenzie Wells, MS, LCGC

**Hereditary Cancer Predisposition Clinic**

CHOP’s program uses the latest advances in technology to provide genetic testing, genetic counseling and cancer surveillance, and thus improve the outlook for children with a genetic predisposition to develop cancer.

**Genetic Counselors**
- Sarah Jennings, MS, LCGC
- Kristin Zelley, MS, LCGC
**Neurogenetics**

The [Epilepsy Neurogenetics Initiative (ENGIN)](https://www.chop.edu/neurogenetics) at Children’s Hospital of Philadelphia (CHOP) integrates genetic testing into the diagnosis and treatment of children with difficult-to-treat or unexplained epilepsies, and provides access to expert care for children with genetic epilepsy syndromes and other genetic neurodevelopmental disorders. We combine cutting-edge clinical care and advanced genetic testing with innovative research to identify the genetic variants causing a child’s epilepsy and develop an individualized approach to treatment and management.

**Genetic Counselors**

Holly Dubbs, MS, LCGC  
Katie Helbig, MS, LCGC  
Laina Lusk, MMSc, LCGC  
Sarah McKeown, MS, LCGC

**Neuromuscular Genetics**

CHOP’s Neuromuscular Program is staffed by experts in the diagnosis and treatment of children with neuromuscular diseases. These diseases require timely evaluations and expert diagnosis and testing, and the team is committed to providing the most current, comprehensive and specialized care possible. The program has been recognized by Parent Project Muscular Dystrophy, the Spinal Muscular Atrophy Foundation and the Muscular Dystrophy Association.

**Genetic Counselor**

Brianna Gross, MS, LCGC

**Roberts Individualized Medical Genetics Center**

The mission of the Roberts IMGC, the first pediatric individualized genomic program in the country, remains the same: to facilitate access to state-of-the-art individualized genetic testing and management for children, families and clinicians, and to promote integration of clinical and genomic information into the diagnostic and research efforts at Children’s Hospital of Philadelphia (CHOP).

**Genetic Counselors**

Emma Bedoukian, MS, LCGC  
Christopher Gray, MS, LCGC  
Tiffiney Hartmann, PhD, LCGC  
Jackie Leonard, MSc, MS, LCGC  
Livija Medne, MS, LCGC  
Sarah Raible, MS, LCGC  
Ellen Xu, MS, LCGC