Penn University of Pennsylvania | Master of Science in Genetic Counseling Program

Internship Sites at

Children's Hospital of Philadelphia®

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
Bekah Wang, MS, 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

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

Shannon Terek, MS, 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
Renee DiCicco, MS, LCGC
Erica Schindewolf, 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

Emily Bogush, MS, LCGC
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

Jeshua DeJesse, MS, CGC
Sarah Donoghue, MS, LCGC

Beth Keena, MS, LCGC
Donna McDonald-McGinn, MS, LCGC
Morgan McManus, MS, LCGC

Comprehensive Vascular Anomalies Program

The Comprehensive Vascular Anomalies Program brings together a team of world experts to provide excellent interdisciplinary care including state-of-the-art genomics and personalized research strategies to determine the causes of these conditions and identify targeted therapies.

Genetic Counselor:

Allison Britt, MS, LCGC

Congenital Hyperinsulinism Center

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

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

Colleen Campbell, MS, LCGC
Sarah Charles, MS, LCGC
Jiani Chen, MS, LCGC
Elizabeth DeChene, MS, LCGC
Elizabeth Hopkins Denenberg, MS, LCGC
Elizabeth Fanning, MS, LCGC
Daniel Gallo, MS, LCGC
Tammy Luke, MS, LCGC
Lauren Lulis, MS, LCGC
Sara L. Reichert, MS, LCGC
Nicholas Staropoli, MS, LCGC
Morgan Thomas, 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

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

Mary Egan Clark, MS, LCGC
Sarah Jennings, MS, LCGC
Kristin Zelley, MS, LCGC

Leukodystrophy Center of Excellence

The Leukodystrophy Center of Excellence is a diagnostic, clinical care, and research initiative that addresses the unique needs of infants, children and adolescents with inherited white matter diseases. Formed in response to legislation in Pennsylvania and New Jersey to add several leukodystrophies to the newborn screening panel, the Center of Excellence meets the need for families to obtain state-of-the-art laboratory and imaging diagnostics and integrated multidisciplinary care from top specialists across CHOP.

Genetic Counselor

Kayla Muirhead, MS, LCGC

The Neonatal Chronic Lung Disease Frontier Program

The Neonatal Chronic Lung Disease Frontier Program focuses on translational research to establish a therapeutic approach called liquid ventilation to advance evidence-based treatments for infants with chronic lung disease. 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 Counselor

Laura Voss, MS, LCGC

Epilepsy Neurogenetics Initiative (ENGIN) Frontier Program

The Epilepsy Neurogenetics Initiative (ENGIN) Frontier Program 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

Amanda Back, MS, LCGC
Stacey Cohen, MS, LCGC
Holly Dubbs, MS, LCGC
Natalie Ginn, MS, CGC
Laina Lusk, MMSc, LCGC
Katie Rose Sullivan, MS, LCGC
Sarah Ruggiero, 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
Victoria Dortenzio, MS, LCGC
Christopher Gray, MS, LCGC
Tiffiney Hartman, PhD, LCGC
Jackie Leonard, MSc, MS, LCGC
Emily Krauss, MS, LCGC
Livija Medne, MS, LCGC
Anna Platt, MS, LCGC
Sarah Raible, MS, LCGC
Jacob Squicciarini, MS, LCGC