

A sampling of *MEDICAL RESEARCH* field placements available through *The Philadelphia Center:*

Children's Hospital of Pennsylvania; Cardiology Intern: Since opening its doors in 1855 as the nation's first hospital devoted exclusively to the care of children, Children's Hospital of Philadelphia has fostered medical discoveries, innovations and breakthroughs, which have benefited children throughout the world. Today, the Children's Hospital of Philadelphia is ranked among the leading pediatric hospitals and research facilities in the world. Children's Hospital is committed to providing exceptional patient care, training new generations of pediatric healthcare providers and pioneering major research initiatives. The Cardiac Center at The Children's Hospital of Philadelphia is a world leader in pediatric cardiac care. This unique "hospital within a hospital" was created from our belief that excellence in individual disciplines, while essential, is not enough. It is the ongoing collaboration of a multidisciplinary team that produces the most comprehensive care for your child, the fullest support for your family and the very best outcomes for every type of congenital and acquired heart disease. Cardiology Interns work in the clinical exercise physiology lab at Children's Hospital evaluating patients with a variety of diagnoses, (cancer, asthma, cardiac abnormalities, etc.). Responsibilities include performing stress tests, conducting case studies, and more. This position also offers many opportunities to relate with a variety of departments and units throughout the hospital.

Children's Hospital of Pennsylvania; Clinical Genetics Intern: Since opening its doors in 1855 as the nation's first hospital devoted exclusively to the care of children, Children's Hospital of Philadelphia has fostered medical discoveries, innovations and breakthroughs, which have benefited children throughout the world. Today, the Children's Hospital of Philadelphia is ranked among the leading pediatric hospitals and research facilities in the world. Children's Hospital is committed to providing exceptional patient care, training new generations of pediatric healthcare providers and pioneering major research initiatives. Clinical Genetics is a specialty service at the Children's Hospital of Philadelphia. Clinical Genetics at Children's Hospital 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 delay or mental retardation, birth defects, multisystem medical problems, unusual facial features or failure to thrive are referred for evaluation and diagnosis of a genetic syndrome, Fragile X syndrome or a chromosomal abnormality. First-time evaluations take place in the Genetics Clinic. Patients with a known diagnosis are also followed in this clinic to provide families with updated information regarding their condition. Clinical Genetics Intern will have the opportunity to observe family histories, do literature reviews, attend weekly rounds, and be able to observe clinic visits, consults and procedures.

Drexel University College of Medicine; Intern: The GLAD (Growth, Learning and Development) Program at Drexel University College of Medicine is a research

program whose aim is to identify factors associated with emotional, behavioral, and cognitive functioning among at-risk children (e.g., children with prenatal drug exposure, histories of physical abuse or neglect, or who have a chronic medical problem). Children in current studies are between the ages of 7 years through adolescence. The GLAD Program is part of the Division of Child & Adolescent Psychiatry and is located near the Drexel University College of Medicine main campus in the East Falls neighborhood of Philadelphia (and is accessible via university shuttle from the Downtown/ Hahnemann Hospital campus). Intern responsibilities may include: observing and videotaping child assessments; assisting with the production of a newsletter to families in the studies; entering data using SPSS software; attending weekly lab meetings and Grand Round presentations in the department of psychiatry; coding videotapes; and assisting with collection of teacher data.

University of Pennsylvania Smell and Taste Center; Research Intern: The Smell and Taste Center is a unique clinical and research organization devoted to understanding the senses of smell and taste in health and disease. It is a multidisciplinary center with members from various departments throughout the University of Pennsylvania. We have developed standardized tests for quantifying smell and taste loss which are used internationally. As a result of the application of such tests, it has been discovered, for example, that smell loss is likely the first sign of Alzheimer's disease and some other neurodegenerative diseases. Our research areas are varied, but currently include how sensory function is altered by (a) estrogen therapy in the menopause, (b) epilepsy, (c) aging, (d) neurological disorders, and (e) renal disease. Both human and rodent research is performed. Interns may have an opportunity to: Test subjects & patients; collect and analyze research data; do literature searches; aid in the writing of research reports and grant applications; develop independent projects; test transgenic mice for smell ability; participate in functional imaging studies; determine relationship of hormones to sensory processing; evaluate laterality differences in sensory function. We foster a true research experience for students. Students have the opportunity to participate in the planning, execution, and publishing of research projects. They have the opportunity to participate in our clinic, which occurs three days a month, in which we see patients with disorders of the chemical senses (e.g., loss of taste, distorted smell sensations). The opportunity to learn a range of basic and applied research skills and topics. We have wide-spread interests. For example, we not only are interested in how diseases influence the senses of taste and smell, but how the chemical senses are used in litigation (e.g., accidents in which smell function is compromised; correctional officers' use of smell for reason to enter buildings or search belongings or contraband; chemical exposure accidents that compromise smell function; etc.).

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