

# Center for Pulmonary Imaging Research



## Research Assistant: Hyperpolarized Gas and Pulmonary MRI

The Center for Pulmonary Imaging Research (CPIR) at Cincinnati Children's Hospital Medical Center (CCHMC) is soliciting applications for a staff position at the level of Research Assistant II or III, depending on qualifications. CCHMC is currently ranked #2 in the U.S. in Pulmonary Medicine and #3 overall in Pediatric Medicine by the U.S. News and World Report. The CPIR is a multidisciplinary center affiliated with Radiology, Neonatology, and Pulmonary Medicine and focuses on hyperpolarized gas and proton NMR and MRI of the respiratory system. Our overall goal is to understand pulmonary structure and function in children and adults with a wide range of chronic respiratory disorders, including cystic fibrosis, asthma, rare-lung diseases, and lung-transplantation rejection. Team members have backgrounds ranging from physics and chemistry, to engineering, to medicine and biology. CPIR researchers collaborate to perform cutting-edge research in animal models and human subjects of all ages.

Website: [www.cincinnatichildrens.org/research/divisions/c/cpir](http://www.cincinnatichildrens.org/research/divisions/c/cpir)

**Requirements and Responsibilities:** The successful candidate will have at least B.S. or B.A. in physical science (i.e., chemistry or physics), engineering, or related discipline. Recent graduates are encouraged to apply. Experience with magnetic resonance, electronics, handling gas at high and low pressures, glassware, or coding experience (MATLAB, C++, Python) is desirable. The accepted applicant will possess excellent communication skills, strong attention to detail, and the desire to promote a safe working environment. The abilities to synthesize information, learn new skills, and teach others in a dynamic, multidisciplinary environment are essential.

Job responsibilities include producing hyperpolarized gas using commercial and homebuilt equipment, maintaining and developing specialized equipment, following and revising standard operating procedures (SOPs), documenting compliance with FDA and institutional regulations, and basic lab management and procurement. The applicant will also collect and analyze imaging data after appropriate training.

**To Apply:** Please submit a cover letter, a resume detailing research experience and technical expertise, and the names and contact information of two to three references by email to: Zackary I. Cleveland, Ph.D., Associate Director, Center for Pulmonary Imaging Research, Associate Professor, Pulmonary Medicine, Pediatrics, Radiology and Biomedical Engineering ([Zackary.Cleveland@cchmc.org](mailto:Zackary.Cleveland@cchmc.org)).

***Cincinnati Children's is an Equal Opportunity Employer. Qualified applicants receive consideration for employment without regard to race, color, religion, sex, national origin, age, genetic information, physical or mental disability, military or veteran status, sexual orientation, gender identity/expression, or other protected status in accordance with applicable federal, state, and local laws and regulations. Cincinnati Children's will not discriminate against applicants and employees for inquiring about, discussing or disclosing their pay or, in certain circumstances, the pay of their co-workers.***