
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. Highly qualified applicants will be considered at the RA III level. The CPIR is a multidisciplinary center affiliated with the Radiology, Neonatology, and Pulmonary Medicine. CCHMC is currently ranked #4 in the U.S. in Pulmonary Medicine and ranked #3 overall in Pediatric Medicine. The CPIR focuses on hyperpolarized gas and proton NMR and MRI of the respiratory system, with the goal of understanding pulmonary and airway 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 that range from atomic physics and physical chemistry, to engineering, to pulmonary medicine and biology. CPIR researchers collaborate to perform cutting-edge research in animal models and humans subjects of all ages. (Website: <http://cpir.cchmc.org>)

Position Requirements and Responsibilities: The candidate must have at least B.S. or B.A. in a physical science (i.e., chemistry or physics), engineering, or related discipline. Recent graduates are encouraged to apply. Experience with magnetic resonance, electronics, high-pressures, glassware, or coding experience (MATLAB, C++, python) is desired. 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 will include producing hyperpolarized gas using commercial and homebuilt equipment, maintaining and developing specialized equipment, following and revising standard operating procedures (SOPs), and documenting compliance with FDA and institutional regulations. 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 three references by email to: Prof. Zackary I. Cleveland, Ph.D. (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.