

## Cincinnati Children's Research Foundation

[Cincinnati Children's Hospital Medical Center](#) (CCHMC) is a premier [pediatric research institution](#) with over 900 diverse and productive faculty members. Here, researchers work collaboratively across specialties and divisions to address some of the biggest challenges we face today in improving child health. A strong network of research support [services](#) and [facilities](#), along with institutional commitment to research, push our team of faculty, postdocs and support staff to explore the boundaries of what is possible, leading to [significant breakthroughs](#). We are driven by our mission to improve child health and transform the delivery of care through fully integrated, globally recognized research, education and innovation.

Post-doctoral research fellows at Cincinnati Children's are valued for their unique interests and strengths, and are supported by our institution's [strong programming for post-docs](#) through the [Office of Postdoctoral Affairs](#) and the [Office of Academic Affairs and Career Development](#). Mentoring, [support for international students](#) and an emphasis on crafting high-quality grant proposals are only a few of the [features that set our program apart](#). Cincinnati Children's is a respected part of the broader, and very vibrant, Cincinnati community. With a thriving arts scene, numerous festivals celebrating music and food, a passionate fan following for our college and professional sports teams, and a variety of opportunities for outdoor activities, [our region is truly a great place to work and live](#).

## Currently Available Postdoctoral Positions

### Division of Allergy and Immunology

**Research Fellow Job Number: 82258.** A bioinformatics Research Fellow position is available immediately in Dr. Marc Rothenberg's laboratory. The Rothenberg lab is focused on elucidating the mechanisms of allergic responses especially in mucosal tissues such as the lung and the gastrointestinal tract. The goal of the research is to identify novel pharmaceutical targets for the treatment of patients with eosinophilic diseases including eosinophilic gastrointestinal disorders, hypereosinophilic syndromes, asthma and food allergies. The laboratory has identified and biologically characterized several critical pathways that regulate allergic responses. These discoveries include eosinophil effector mechanisms and the chemokine eotaxin/CCR-3 pathway. For more information see: <http://www.cincinnatichildrens.org/research/divisions/a/allergy-immunology/labs/rothenberg/default/>. The fellow will use NGS data and a bioinformatics strategy to study the cellular and molecular processes involved in allergic responses. A working knowledge of the immune system and preferably experience in bench science including biochemistry and molecular biology is preferable.  
Contact: Marc Rothenberg, MD PhD  
Email Address: [Marc.Rothenberg@cchmc.org](mailto:Marc.Rothenberg@cchmc.org)

**Research Fellow Job Number: 82829.** Dr. Yui-Hsi Wang has an immediate opening in his laboratory for a postdoctoral Research Fellow to study the cellular and molecular mechanisms underlying the susceptibility to allergic disorders. Research studies have focused on the role of innate immune and lymphoid cells in food allergies (J. Exp. Med.2010, 207(11):2479; Immunity, 2015, 43:1-15; J. Immunol.2015, 194(8): 3583-93; J Allergy Clin Immunol. 2015, In Press; <http://www.cincinnatichildrens.org/news/release/2015/food-allergy-09-23-2015/>). The fellow will be investigating new research interests including (i) Epigenetic and molecular programs of MMC9 development and function; (ii) Type-2 innate (ILC2s and MMC9s) and adaptive (CD4 TH2 and induced Treg cells) immunity in asthma, food allergy, and eosinophil-associated gastrointestinal disorders (EGIDs). The Division is a high-energy, dynamic, and interactive environment that is interested in recruiting self-motivated individuals with the drive to succeed and the desire to be competitive at the international level. Advanced immunologic approaches, animal models, and defined human tissue biopsies are employed in our research studies. Candidates with a strong background in molecular biology and immunology are encouraged to apply.  
Contact: Yui-Hsi Wang, PhD  
Email Address: [Yui.Hsi.Wang@cchmc.org](mailto:Yui.Hsi.Wang@cchmc.org)

### Division of Asthma Research

**Research Associate Job Number: 76870.** A Research Associate position is available in Dr. Gurjit Khurana Hershey's lab in the Division of Asthma Research. We are seeking a highly motivated scientist who is interested in studying asthma, allergy and immunology, specifically identifying and delineating the mechanisms underlying the contributions of genes and environmental factors that promote childhood asthma (<http://www.cincinnatichildrens.org/research/divisions/a/asthma/labs/hershey/default/>). Candidate is expected to be both a collaborative team-player and capable of working independently with minimal guidance. Strong personal accountability for results and integrity are essential. Good communication, technical and organizational skills are strongly desired. Requirements: PhD in molecular biology, immunology, or related field with a minimum of 3-5 years laboratory experience in molecular biology and immunology. Experience with mouse models preferred.  
Contact: Gurjit Khurana Hershey, MD, PhD  
Email Address: [Gurjit.Hershey@cchmc.org](mailto:Gurjit.Hershey@cchmc.org)

## Division of Biomedical Informatics

**Research Fellow Job Number: 83513.** A Research Associate position is available in Dr. Nathan Salomonis' lab in the Division of Biomedical Informatics. We are seeking a highly engaged research scientist who will lead the collaborative bioinformatics data analysis and algorithm development in the laboratory. The candidate will work closely with Dr. Salomonis, data analysts, programmers, collaborators and graduate students. The ideal candidate will have an extensive programming analysis, bio-statistical or machine learning experience, significant prior experience with genomics and informatics algorithm development and working with diverse research teams. Requirements: PhD in biomedical informatics, computer science or related field with a minimum of 3-5 years data analysis experience.

Contact: Nathan Salomonis, PhD

Email Address: [Nathan.Salomonis@cchmc.org](mailto:Nathan.Salomonis@cchmc.org)

## Division of Clinical Pharmacology

**Research Fellow Job Number: 70277.** Drs. Alexander Vinks and Tsuyoshi Fukuda's research is focused on the application of pharmacokinetic/ pharmacodynamic/ pharmacogenetic and disease modeling and clinical trial simulation to facilitate pediatric drug study design and improve individualized patient care in a top tier academic setting. The Fellow will work with faculty at CCHMC on population pharmacokinetic –pharmacodynamics (PK/PD) and pharmacogenetic modeling as well as mechanistic physiologically – based pharmacokinetic (PBPK) modeling of drugs in pediatric patients participating in ongoing studies at our institution. Emphasis will also be on the design of informative studies using modeling and simulation in neonates and infants including patients on ECMO and cardiopulmonary bypass. The Research Associate will have an opportunity to be involved in the development and evaluation of novel advanced numerical and computation approaches for disease progression/improvement modeling.

Contact: Alexander Vinks, PharmD PhD FCP

Email Address: [Sander.Vinks@cchmc.org](mailto:Sander.Vinks@cchmc.org)

## Division of Developmental Biology

**Research Fellow Job Number: 78815.** A postdoctoral research fellow position is available to study neural circuits in Dr. Yutaka Yoshida's laboratory. The Yoshida lab is interested in understanding cellular and molecular mechanisms underlying motor circuits to control locomotor and skilled movements using a variety of approaches including molecular biology, mouse genetics, trans-synaptic virus assay, optogenetics, electrophysiology, and behavior assays (<http://www.cincinnatichildrens.org/research/divisions/d/dev-biology/labs/yoshida/default/>). Candidates with a recent PhD or MD and a strong background in molecular biology and/or neurobiology are encouraged to apply.

Contact: Yutaka Yoshida, PhD

Email Address: [Yutaka.Yoshida@cchmc.org](mailto:Yutaka.Yoshida@cchmc.org)

**Research Fellow Job Number: 76289.** A new postdoctoral research fellow position is available in Dr Rashmi Hegde's lab to study pulmonary arterial hypertension. In this project we are exploring a novel pathway that may play a role in the survival of pulmonary arterial smooth muscle and vascular cells in PAH patients. Small molecule inhibitors of this process are being tested in pre-clinical studies. Experience with the use of rat models and primary patient cells would be an advantage for this position. See <http://www.cincinnatichildrens.org/research/divisions/d/dev-biology/labs/hegde/default/> for more information.

Contact: Rashmi Hegde, PhD

Email Address: [Rashmi.Hegde@cchmc.org](mailto:Rashmi.Hegde@cchmc.org)

## Division of Experimental Hematology and Cancer Biology

**Research Fellow Job Number: 71870.** The Pan lab has an immediate opening for a Postdoctoral Fellow in the Molecular and Gene Therapy Program. The project will utilize cellular, molecular, and biochemical techniques with an emphasis on understanding the disease pathogenesis of lysosomal storage diseases especially CNS and skeletal abnormalities, as well as new approaches for gene therapy in such diseases. For more information about Dr Pan's research program see: <http://www.cincinnatichildrens.org/research/divisions/e/ex-hem/labs/pan/default/>. Applicants with a strong background in molecular biology, immunology, and animal studies in neuroscience, megakaryocyte/platelet biology or skeletal disease are encouraged to apply. Experience with epigenetic studies or preclinical evaluation of viral vector mediated gene transfer, FACS analysis and/or primary cell culture is a plus.

Contact: Dao Pan, PhD

Email Address: [Dao.Pan@cchmc.org](mailto:Dao.Pan@cchmc.org)

**Research Fellow Job Number: 76423.** A postdoctoral Research Fellow position is open for individuals with an interest in neuroglial cell development and diseases. Our research areas include glial progenitor plasticity and gliogenesis, brain tumorigenesis, demyelinating and white matter diseases. For more information see: (<http://www.cincinnatichildrens.org/bio/l/qing-richard-lu/>). Candidates with a recent PhD or MD and a strong background in one or more of the following areas: molecular and cellular biology, neurobiology, cancer biology and computational biology are encouraged to apply.

Contact: Qing (Richard) Lu, PhD

Email Address: [Richard.Lu@cchmc.org](mailto:Richard.Lu@cchmc.org)

**Research Fellow/ Research Associate Job Number: 83007/83009.** A position is available to study the role of Rho family GTPases and mTOR signaling in hematopoiesis, immune response and cancer in Dr. Yi Zheng's laboratory. The laboratory employs mouse gene targeting models and current molecular, cellular, and embryological techniques to elucidate the signaling pathways regulated by Rho GTPases and mTOR (see: <http://www.cincinnatichildrens.org/research/divisions/e/ex-hem/labs/zheng/default/>). A PhD in Molecular or Developmental Biology, Cell Biology, Biochemistry, or a related field, is required. Experience studying mouse models, hematopoiesis and/or various stem cell regulations are particularly desirable.

Contact: Yi Zheng, PhD

Email Address: [Yi.Zheng@cchmc.org](mailto:Yi.Zheng@cchmc.org)

**Research Fellow Job Number: 82489.** Dr. Daniel Starczynowski's lab studies the molecular and cellular basis of hematologic malignancies, with a focus on normal hematopoietic stem cell function, acute myeloid leukemia (AML) and myelodysplastic syndromes

(MDS)(Varney et al., Journal of Experimental Medicine (2015) Fang et al., Cell Reports (2014) Rhyasen et al., Cancer Cell (2013) Fang et al., Blood (2012) Rhyasen et al., Leukemia (2012) Starczynowski et al., Nature Medicine (2010)); (<http://www.cincinnatichildrens.org/research/divisions/e/ex-hem/labs/starczynowski/default/>). We are looking for a research fellow with an interest in one or more of the following: signal transduction, coding and non-coding RNAs, cancer genetic networks, hematopoietic stem cells, ubiquitin regulation, immune deregulation in cancer, and/or mouse cancer genetic models. The applicant should have a doctoral degree in Biology, Molecular Biology, Genetics, Immunology, or related field, and a strong interest in cancer research. The applicant should also be highly self-motivated and have a track record of publications (first-authored publications in respected journals). Applicants with experience in mouse genetics, flow cytometry, and/or bioinformatics analyses are a plus.  
Contact: Daniel Starczynowski, PhD Email Address: [Daniel.Starczynowski@cchmc.org](mailto:Daniel.Starczynowski@cchmc.org)

**Research Fellow Job Number: 83464.** Dr. Jose Cancelas' lab studies the molecular and cellular basis of hematopoiesis, with a focus on normal and pathological hematopoiesis, blood banking/transfusion medicine and B-cell acute lymphoblastic leukemia (Nayak R et al., J. Clin. Invest, 2015; Chang KH et al., Nat. Comm., 2015; Chang KH et al., Cell Rep. 2014; Taniguchi-Ishikawa et al., Nat. Comm. 2013; Chang KH et al., Blood 2012; Sengupta A et al. Blood 2012; Cancelas JA et al., Transfusion 2015; Dumont LJ et al., Transfusion 2015; Dumont LJ et al., Transfusion 2015) (<http://www.cincinnatichildrens.org/research/divisions/e/ex-hem/labs/cancelas/default/>; <http://www.hoxworth.org/research-education/research.html>). We are looking for a research fellow with an interest in one or more of the following: signal transduction, hematopoietic stem cells, pluripotent stem cell based disease modeling in hematopoiesis, mouse cancer genetic models, inflammation in hematopoiesis and hierarchical organization of hematopoiesis in health and disease. The applicant should have a doctoral degree in Biology, Molecular Biology, Genetics, Immunology, or related field, and a strong interest in blood/cancer research. The applicant should also be highly self-motivated and have a track record of publications (first-authored publications in respected journals). Applicants with experience in hematology, immunology, mouse genetics, flow cytometry and/or bioinformatics analyses are a plus.  
Contact: Jose A. Cancelas MD, PhD Email Address: [Jose.Cancelas@cchmc.org](mailto:Jose.Cancelas@cchmc.org)

## Division of Gastroenterology, Hepatology and Nutrition

**Research Associate Job Number: 82556.** A postdoctoral Research Associate position is immediately available in the Miethke lab in the Division of Gastroenterology, Hepatology and Nutrition (<http://www.cincinnatichildrens.org/bio/m/alexander-miethke/>). Our research aims to elucidate the immunologic processes driving hepatobiliary injury in childhood cholestatic disorders in order to identify novel targets for pharmacological therapy of disease like biliary atresia and primary sclerosing cholangitis. To this end we employ murine models of these disorders, molecular and flow cytometry based immunologic techniques, single cell RNAseq, and functional assays validating our findings in human tissue samples. We have identified critical roles for regulatory T, myeloid dendritic and Th17 cells in controlling tissue injury. Future studies will investigate the effects of intestinal microbiota on the gut-liver axis in these conditions and how metabolic factors, specifically bile acids and phospholipids, modulate hepatic T cell homeostasis under cholestatic conditions. Our division creates a dynamic environment fostering collaborations within the department, but also across the institution, especially with immunologists, bioinformaticians, developmental biologists, and industry partners. Candidates with experience in molecular immunology, bioinformatics and mouse handling and independent thinkers curious to establish new techniques are encouraged to apply.  
Contact: Alexander Miethke, MD Email Address: [Alexander.Miethke@cchmc.org](mailto:Alexander.Miethke@cchmc.org)

**Research Fellow Job Number: 76296.** A postdoctoral Research Fellow position is available in the Yin laboratory in the Division of Gastroenterology, Hepatology and Nutrition. Our lab uses zebrafish as a genetic model to study liver development and disease pathogenesis to 1) dissect the cellular and molecular mechanisms underlying liver fibrosis; and 2) understand the cell biology of hepatic biliary cells in zebrafish models of biliary diseases. Projects will utilize multidisciplinary approaches: genetics (transgenesis and application of CRISPR/Cas9 genome editing), confocal imaging, chemical screen, bioinformatics, and liver histopathology. Our group also has an ongoing collaboration with physicians in the Pediatric Liver Center and geneticists in the Division of Human Genetics to conduct translational research on human cholestatic diseases. Details about project areas can be found at: <http://www.cincinnatichildrens.org/research/divisions/g/gastroenterology/labs/yin/default/>. We seek a motivated young scientist who is independent, focused, productive, and possesses exceptional skills in cellular/molecular biology and an enthusiasm for using and developing new techniques. A recent doctorate in Cell/Developmental Biology, Genetics, or related field is required. Experience with zebrafish and/or hepatology research is desirable, but not essential.  
Contact: Chunyue Yin, PhD Email Address: [Chunyue.Yin@cchmc.org](mailto:Chunyue.Yin@cchmc.org)

## Division of Human Genetics

**Research Fellow Job Number: 75557.** Dr. William Nichols has an immediate opening in his laboratory for a postdoctoral Research Fellow to study the genetics/genomics of pulmonary arterial hypertension (PAH). Our research studies have used an integrative mapping approach to locate genes or loci that are responsible for causing or modifying hypoxia-induced Pulmonary Hypertension. The fellow will be using Mouse/Rat models and existing mRNA/miRNA Seq data to either further study or identify novel genes that contribute to PAH. The applicant should have a doctoral degree in Biology, Molecular Biology, Genetics, or related field, and a strong interest in the genetics/genomics of Pulmonary Vascular Disease. The applicant should also be highly self-motivated and have a track record of publications (first-authored publications in respected journals). Applicants with experience in mouse genetics, mRNA/miRNA seq analysis, and/or bioinformatics analyses are a plus.  
Contact: William Nichols, PhD Email Address: [Bill.Nichols@cchmc.org](mailto:Bill.Nichols@cchmc.org)

## Division of Immunobiology

**Research Fellow Job Number: 82598.** The Alenghat lab has an opening for a highly motivated, creative postdoctoral scientist with an interest in epigenetics, host-microbe interactions, and the intestine. We are studying interactions with the microbiota and molecular pathways that regulate how intestinal microbes impact mucosal and metabolic homeostasis, and chronic diseases such as inflammatory bowel disease.(see Nature 2013 Dec 5;504(7478):153-7). Recent Ph.D. candidates who are curious and passionate

about scientific discovery and have expertise in molecular biology, mouse handling, and intestinal physiology/mucosal immunology are encouraged to apply. Experience with bioinformatics and/or gnotobiotics is also desirable.

Contact: Theresa Alenghat, VMD, PhD

Email Address: [Theresa.Alenghat@cchmc.org](mailto:Theresa.Alenghat@cchmc.org)

**Research Fellow Job Number: 82498.** Dr. Mike Jordan's laboratory is focused on understanding 1) primary human immune deficiencies/ regulatory disorders, 2) DNA damage response signaling as it affects the immune response, 3) how cytotoxic T cells regulate immune responses, and 4) developing novel methods for suppressing harmful immune responses. The Jordan laboratory has an open position for a highly motivated postdoctoral research fellow with an interest in immune regulation, T cell effector function, and/or histiocytic disorders. The applicant should have a strong background in cellular immunology and T cell biology, with specific experience including flow cytometry and animal work. Expertise in molecular biology, biochemistry, and virology is also desirable.

Contact: Michael B. Jordan, MD

Email Address: [Michael.Jordan@cchmc.org](mailto:Michael.Jordan@cchmc.org)

**Research Fellow Job Number: 83879.** Dr. Claire Chougnnet's laboratory is studying T cell ontogeny during fetal development and how it is altered by exposure to the inflammatory stimuli associated with prematurity. Her laboratory is also studying regulatory T cell function and homeostasis in humans. The Chougnnet laboratory has an open position for a highly motivated postdoctoral research fellow with an interest in immune regulation, T cell effector function, and/or neonatology. The applicant should have a strong background in cellular immunology, with specific experience including flow cytometry, cell purification and in vitro functional studies.

Contact: Claire A Chougnnet, PhD

Email Address: [Claire.Chougnnet@cchmc.org](mailto:Claire.Chougnnet@cchmc.org)

## Division of Infectious Diseases

**Research Fellow/ Research Associate Job Number: 84136/84313.** Dr. Sing Sing Way's laboratory in the Division of Infectious Diseases has an immediate opening for a Research Fellow and a Research Associate. The laboratory investigates the immune pathogenesis of infectious diseases and immunological basis of protective immunity. For these positions, there is a particular focus on reproductive and/or microbial immunity. For more information about Dr. Way's research, please see: <http://www.cincinnatichildrens.org/bio/w/singsing-way/>. Experience in cellular immunology, flow cytometry, and molecular biology is required.

Contact: Sing Sing Way, MD, PhD

Email Address: [SingSing.Way@cchmc.org](mailto:SingSing.Way@cchmc.org)

## Division of Molecular Cardiovascular Biology

**Research Fellow Job Number: TBA.** The Millay lab is interested in understanding the formation of multi-nucleated skeletal muscle, which arises from the membrane fusion between precursor cells. Specifically, our focus lies in the elucidation of the molecules and mechanisms that govern myoblast fusion. We have recently discovered a necessary component (named myomaker) of the muscle fusion machinery. Projects range from delineating the mechanisms by which this multi-pass membrane protein directs cell-cell fusion to manipulating muscle cell fusion as a strategy for in vivo cell therapy. Recent Ph.D candidates with research experience in molecular biology, cell biology, biochemistry, or developmental biology are encouraged to apply.

Contact: Douglas Millay, PhD

Email Address: [Douglas.Millay@cchmc.org](mailto:Douglas.Millay@cchmc.org)

**Research Fellow Job Number: TBA.** Dr Jeff Molkentin's laboratory studies the molecular mechanisms of heart and skeletal muscle disease. Major focus areas include mitochondrial-dependent mechanisms of non-apoptotic death (such as cellular necrosis), signal transduction in cardiac and skeletal muscle hypertrophy, transcriptional regulation of cardiac development, and molecular mechanisms that underlie skeletal muscle degeneration in muscular dystrophy (MD). Dr Molkentin is an HHMI investigator, for more information about projects see: <http://www.cincinnatichildrens.org/research/divisions/m/mcb/labs/molkentin/default/>. Outstanding new PhD graduates with prior experience in mouse genetics and cardiomyopathy research and the desire to be competitive at the highest level are invited to apply.

Contact: Jeffrey Molkentin, PhD

Email Address: [Jeffrey.Molkentin@cchmc.org](mailto:Jeffrey.Molkentin@cchmc.org)

**Research Fellow Job Number: 80312.** A postdoctoral research fellow position is available with Dr. Andrew Redington (<http://www.cincinnatichildrens.org/research/divisions/c/cardiology/labs/redington/default/>). The Redington lab is interested in ischemic preconditioning in ischemic-reperfusion injury and the role of mir-144 in modifying these events. We recently reported microRNA-144 as an effector of the acute and delayed cardioprotection associated with RIC, and future work will concentrate on the biology of mir-144 particularly as it relates to the modification of post MI remodeling. Recent PhD graduates with a strong publication record and special interest in cardioprotection/ischemia-reperfusion injury are encouraged to apply.

Contact: Andrew Redington, MD

Email Address: [Andrew.Redington@cchmc.org](mailto:Andrew.Redington@cchmc.org)

## Division of Neurology

**Research Fellow Job Number: TBA.** A postdoctoral position is open in Dr. Lubov Timchenko's laboratory. Dr. Timchenko studies the molecular mechanisms of neuro-muscular diseases Myotonic Dystrophies type 1 and type 2. The main focus of the research includes investigations of signaling pathways in skeletal muscle and in brain in Myotonic Dystrophies and development of therapeutic approaches for these diseases. New PhD graduates with experience in research on human diseases are invited to apply.

Contact: Lubov Timchenko, PhD

Email Address: [Lubov.Timchenko@cchmc.org](mailto:Lubov.Timchenko@cchmc.org)

## Division of Pediatric & Fetal Surgery

**Research Fellow Job Number: 70508.** A one year Research Fellow position is available in the Center for Molecular and Fetal Therapy to work with Dr. Foong-Yen Lim. This is a research only position to work on clinical outcome research and/or animal models of human disease. Candidates with an MD/DO/PhD with a background in epidemiology and biostatistics and a clinically focused research program are invited to apply. Strong writing skills and experience working on collaborative research projects are preferred.

Contact: Anne Riestenberg (on behalf of Dr. Foong-Yen Lim, MD)

Email Address: [Anne.Riestenberg@cchmc.org](mailto:Anne.Riestenberg@cchmc.org)

**Research Fellow Job Number: 79774/79776.** The Shaaban laboratory examines the mechanisms of long-term immunologic tolerance to prenatally transplanted stem cells. (<http://www.cincinnatichildrens.org/research/divisions/c/cfmt/labs/shaaban/default/>). Using a murine model we are examining the development of allospecific tolerance in prenatal hematopoietic chimeras. This model permits a systematic analysis of the innate and adaptive immunologic mechanisms leading to self-recognition. The Center is a high-energy, dynamic, and interactive environment that is interested in recruiting self-motivated, committed individuals with the drive to succeed and the desire to be competitive at the international level. We are seeking two postdoctoral Research Fellows with the ability to design, execute and interpret experimental results and to work collaboratively with other members of the laboratory to advance projects. Candidates must have PhD and/or MD degree with one or more degrees in immunology, biochemistry, biology, genetics, microbiology, molecular biology, or a related field. Strong communication and writing skills are desired.  
Contact: Anne Riestenberg (on behalf of Dr. Aimen Shaaban, MD) Email Address: [Anne.Riestenberg@cchmc.org](mailto:Anne.Riestenberg@cchmc.org)

## Divisions of Plastic Surgery and Developmental Biology

**Research Fellow Job Number: 69903.** A postdoctoral position is available immediately to investigate the developmental mechanisms underlying craniofacial birth defects, such as cleft palate, using mutant mouse models. Our laboratory has extensive expertise in the generation and analyses of transgenic/gene-knockout mice, and in studies of developmental mechanisms of multiple organ systems (<http://www.cincinnatichildrens.org/bio/l/yu-lan/>). We are looking for candidates with a recent Ph.D degree in a biological science and research experience in cell biology, biochemistry, or developmental biology. Prior experience using mouse models in research is preferred, but not required.  
Contact: Yu Lan, PhD Email Address: [Yu.Lan@CCHMC.org](mailto:Yu.Lan@CCHMC.org)

## Division of Pulmonary Medicine

**Research Fellow Job Number: 81062.** The Center for Pulmonary Imaging Research seeks a postdoctoral fellow to quantify lung structure and physiology in mouse models of pulmonary diseases, using UTE and hyperpolarized <sup>129</sup>Xe MRI. A background in MR, a PhD in science/ engineering, and a record of scientific productivity required. Preclinical and non-Cartesian MRI experience is preferred.  
Contact: Zackary Cleveland, Ph.D. Email Address: [Zackary.Cleveland@cchmc.org](mailto:Zackary.Cleveland@cchmc.org)

## Reading and Literacy Discovery Center

**Research Fellow Job Number: 75516.** A new postdoctoral Research Fellow position is available immediately to determine the mechanisms underlying the typical course of reading development and reading difficulties in children using quantitative behavioral measures, neurophysiological (EEG, MEG, eye tracking), and neuroimaging methods (MRI, NIRS). The position is based in the Reading & Literacy Discovery Center's dyslexia and is part of a research effort designed to find neural and behavioral biomarkers that will help to objectively differentiate children with reading disabilities (dyslexia) from other populations with reading impairments from typical readers in different stages of development. Using these biomarkers, we aim to: 1) objectively identify dyslexia even before reading age (ie- in children younger than 5 years old) and 2) determine the effectiveness of different intervention programs on neural-circuits supporting good reading outcomes. We have ongoing projects focused on defining the specific neural circuit impairments related to different reading pathologies as well as studies focusing on interventions: (<https://rldc.cchmc.org/research>). PhD or MD applicants (with dissertation related to reading, reading development, reading disorders, literacy, neuroimaging, neurophysiology or other related discipline) and a strong background in computer sciences, biomedical engineering, and/or neuroscience /cognitive psychology are encouraged to apply. Experience in neuroimaging studies in humans will be considered preferentially. Strong communication and writing skills are imperative.  
Contact: Scott Holland, PhD Email Address: [Scott.Holland@cchmc.org](mailto:Scott.Holland@cchmc.org)

**Research Fellow Job Number: 80452.** A research fellow position is available in the autism and related disorders clinical research lab of Dr. Craig Erickson (see his website for more information (<http://www.cincinnatichildrens.org/research/divisions/p/psychiatry/labs/erickson-wink/default/>)). The fellow will support translational clinical trials including administering diagnostic and assessment batteries, clinical measures, eye tracking paradigms, and outcome measures.  
Contact: Craig Erickson, MD Email Address: [Craig.Erickson@cchmc.org](mailto:Craig.Erickson@cchmc.org)

## Division of Reproductive Sciences

**Research Fellow Job Number: 75705.** Dr. SK Dey's lab studies embryo-uterine interactions during pregnancy including implantation, decidualization, placentation, parturition using transgenic mouse models. Other areas of research focus on epileptics in early development and gynecological cancers. A postdoctoral position is available immediately to work with Dr. SK. Dey. For more information on projects see: <http://www.cincinnatichildrens.org/research/divisions/r/reproductive-sciences/labs/dey/default/>. New PhDs with experience in developmental biology, reproductive biology, and computational methods are preferred.  
Contact: Sudhansu K. Dey, PhD Email Address: [SK.Dey@cchmc.org](mailto:SK.Dey@cchmc.org)

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For further information, contact the CCHMC Postdoc recruiter: Uma Sivaprasad, Ph.D. – [siv9ni@cchmc.org](mailto:siv9ni@cchmc.org)

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