



Postdoctoral Fellow in Pediatrics

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Posting Details

Position Details

Title	Postdoctoral Fellow in Pediatrics
Specific Title	
Appointment Type	Postdoctoral Fellow
Department	IUSM - Pediatrics
Campus	IU School of Medicine Indianapolis
Position Summary	<p>The Evans-Molina lab in the Wells Center for Pediatric Research in the Department of Pediatrics and the Center for Diabetes and Metabolic Diseases at the Indiana University School of Medicine (IUSM) is seeking a highly motivated post-doctoral fellow to join our vibrant and diverse research team. The overall goal of the Evans-Molina lab is to define the molecular and signaling pathways in the pancreatic β cell that contribute to type 1 and type 2 diabetes. Much of this work is focused on the regulation of calcium homeostasis within the secretory pathway of the pancreatic β cell and testing how loss of calcium within this compartment leads to endoplasmic reticulum and Golgi stress and impaired proinsulin processing. In addition, we have a translational research interest focused on defining the natural history of β cell loss in type 1 diabetes, the use of "omics" approaches to identify novel serum biomarkers of early β cell stress in pre-symptomatic type 1 diabetes, and the development of novel therapeutics aimed at preventing or reversing type 1 diabetes.</p> <p>The successful applicant for this position will have a Ph.D. degree and a background in laboratory-based investigation. The applicant will pursue projects funded by our grants on the topic of calcium regulation within the β cell endoplasmic reticulum, with an emphasis on β cell ryanodine receptor function. The fellowship training will include the acquisition of experimental skills in intravital microscopy, organelle directed calcium imaging, proteomics, and whole animal physiological investigation. Training will include also a focus on a variety of career development skills, including topics such as navigating and guiding multidisciplinary collaborations, grant writing, leadership development, and the successful transition to an independent academic position.</p> <p>As a member of our laboratory, you would be joining a vibrant diabetes research community within the School of Medicine, which is part of a broader diabetes research ecosystem in Indiana that includes public and private partners. IUSM is home to the Center for Diabetes and Metabolic Diseases (CDMD), which houses the Indiana Diabetes Research Center, one of 18 NIH P30 funded Diabetes Research Centers. The CDMD provides support for research cores, pilot and feasibility grant funding, and a number of enrichment activities, including an Annual Diabetes Symposium and weekly multidisciplinary seminar series. IUSM diabetes faculty provide leadership to several large national and international multisite networks and studies, including Type 1 Diabetes TrialNet, the Network for Pancreatic Organ Donors with Diabetes (nPOD), the Integrated Islet Distribution Program, the Immune Tolerance Network, the Restoring Insulin Secretion (RISE) study, the Comparative Effectiveness Study of Major Glycemia-lowering Medications for Treatment of Type 2 Diabetes (GRADE), the Human Islet Research Network, and the Rare and Atypical Diabetes Network (RADIANT). IUSM is home to the NIH-funded Indiana Clinical and Translational Sciences Institute (CTSI), which is a statewide research partnership between IU, Purdue, and Notre Dame University. IUSM is also affiliated with the prestigious Regenstrief Institute, a national and international leader in patient-centered research and health informatics, and the Indiana Biosciences Research Institute, connecting academic institutions and industry partners in Indiana.</p> <p>Indianapolis is the capital and most populous city in the State of Indiana. It is growing economically thanks to a strong corporate base anchored by the life sciences. Indiana is home to one of the largest concentrations of health sciences companies in the nation. Indianapolis has a sophisticated blend of charm and culture with a wonderful balance of business and leisure. The growing residential base is supported by rich amenities and quality of life – the city possesses a variety of professional sports, arts venues, and outdoor recreation areas. Residents of this dynamic city, and surrounding suburbs, enjoy leading educational systems and top-ranked universities, paired with a diverse population. Indianapolis International Airport is a top-ranked international airport, being named "Best Airport in North America" by Airports Council International for many years. For additional information on life in Indy, visit http://medicine.iupui.edu/AboutIndy/.</p> <p>As the nation's largest medical school, IUSM is committed to being an institution that not only reflects the diversity of the learners we teach and the patient populations we serve, but also pursues the values of diversity, equity and inclusion that inform academic excellence. We desire candidates who enhance our representational diversity, as well as those whose work contributes to equitable and inclusive learning and working environments for our students, staff, and faculty. IUSM strives to take an anti-racist stance, regularly evaluating and updating its policies, procedures, and practices to confer equitable opportunities for contribution and advancement for all members of our community. We invite individuals who will join us in our mission to advance racial equity to transform health and wellbeing for all throughout the state of Indiana.</p>
Basic Qualifications	<p>Doctorate degree required. The successful applicant for this position will have a Ph.D. degree and a background in laboratory-based investigation.</p>
Department Contact for Questions	Carmella Evans-Molina, M.D., Ph.D. cevansmo@iu.edu
Additional Qualifications	
Special Instructions	
Priority Application Review Deadline	
Expected Start Date	
OAA #	IUSM013852016