Case Western Reserve University  
Instructor  
Department of Physiology & Biophysics

The Department of Physiology and Biophysics at Case Western Reserve University School of Medicine seeks a qualified candidate to fill a faculty position at the rank of Instructor. This is a non-tenure track position, and the majority of time will be spent on research in the laboratory of Dr. Jeffrey Garvin.

Responsibilities and Duties:

The candidate will be expected to perform physiological and biochemical experiments to investigate the mechanisms by which dietary fructose regulates Na transport, the response to angiotensin II, metabolism and injury in the proximal nephron. The successful applicant should be proficient in 1) developing physiological and biochemical methodologies; 2) analyzing bulk and single cell RNA using data visualization tools, dimensional reduction techniques and inferential statistics; 3) have the aptitude to learn to perfuse isolated renal tubules to measure intracellular signaling molecules (nitric oxide, superoxide, pH, Ca, etc); and 4) be able to create and analyze gene coexpression networks.

Minimum Qualifications:

Applicants must have a Ph.D. in Physiology, Biochemistry or related discipline, with (1) at least three years of postdoctoral experience; (2) expertise in renal physiology, the role of the kidney in blood pressure regulation, renal Na transport and intracellular signaling biochemistry; (3) at least 3 years of experience analyzing sequence data using R, PCA, Characteristic Direction, etc; (4) a strong record of scholarly activity; and (5) recognition in the field as evidenced by: a) national/international awards, b) presentations at national/international meetings, and c) book chapters and/or review articles.

How to Apply:

Review of Applicants will begin after April 1, 2021. Interested parties should send a letter of application, curriculum vitae, and three letters of recommendation to: mxs86@case.edu. Applicants are also asked to submit a statement explaining how their research, teaching, and/or service have contributed to diversity, equity and inclusion within their scholarly field(s) and/or how their individual and/or collaborative efforts have promoted structural justice inside and outside institutions of higher learning. This statement should also reflect on the ways in which the candidate’s continued efforts will foster a culture of diversity, pluralism, and individual difference at Case Western Reserve University into the future.

In employment, as in education, Case Western Reserve University is committed to advancing an inclusive community in which everyone is welcome, respected, valued and heard. Along with colleagues across the university, our faculty, staff and students are engaged in continued and meaningful dialogue about issues of systemic racism, and we are determined to implement direct measures to end discriminatory practices on our campus and enhance our contributions to the communities around us.
As our society grapples with the history, legacy and persistence of entrenched racism and its impact on communities of color, we reaffirm our mission to expand opportunities for underrepresented groups; provide a multifaceted education for our students; foster a culture of diversity, pluralism and recognition of individual difference; and realize our ideals within the university and in the larger world.

Case Western Reserve University provides reasonable accommodation for any part of the application and hiring process should contact the Office of Inclusion, Diversity and Equal Opportunity at (216) 368-8877 to request a reasonable accommodation. Determinations as to granting reasonable accommodations for any applicant will be made on a case-by-case basis.