

## Post-doctoral Research Fellow positions - Nephrology and Physiology & Biomedical Engineering, Mayo Clinic, Rochester

### Position description

Several Post-Doctoral Research Fellow positions are available, under the mentorship of Dr. Hatim Hassan, to work within the Departments of Nephrology and Physiology & Biomedical Engineering on research projects focusing on the following: 1. Evaluation of the therapeutic effects of *Oxalobacter formigenes* (a probiotic gut bacterium)-derived small novel peptides (P8 and P9) as potential novel therapeutics agents for hyperoxalemia, hyperoxaluria, and related disorders (such as kidney stones). 2. Identification of the critical amino acids, cell surface receptors, and signaling pathways by which P8 and P9 stimulate intestinal oxalate transport. 3. Exploration of the pathogenesis of obesity and IBD-associated hyperoxaluria.

**Dr. Hassan's research has obtained several prestigious awards/grants, including an NIH fast-track STTR grant and an NSF Phase I STTR grant (with a pending Phase II grant) to achieve further pre-clinical milestones towards commercialization of these novel peptides.** Substantial resources are in place for this work. Potential for independent work and publications exist.

### The candidate will need to have the following to be successful:

- A doctoral degree with a background in cell biology, molecular biology, or a similar field
- Prior experience with animals is highly preferred – training can be provided
- Experience with basic molecular biology and biochemical techniques
- Desire to learn new skills and perform meticulous work
- Ability to communicate well both verbally and written

A Research Fellow at Mayo Clinic is a temporary position intended to provide training and education in research. Individuals will train in the research program of a Mayo Clinic principal investigator. Qualified individuals will demonstrate the potential for research as evidenced by their training and peer-reviewed publications and should become competitive for national research grants. Proof of English proficiency is required for J-1 Short-Term Scholars, Research Scholars, Professors, Specialists, and Student Interns sponsored by Mayo Clinic.

### The following is required for completeness of application:

- Current curriculum vitae with bibliography
- Proof of doctoral degree (copy of diploma or final transcript with English translation, if applicable) or a letter from your university's Registrar office indicating you have fulfilled all doctoral program requirements and are eligible to graduate.

Please also be prepared that you may be asked to provide three letters of recommendation to the hiring PI prior to an interview.

### Qualifications

Must have a Ph.D., M.D., or equivalent doctoral degree in a field deemed relevant by the program. Research Fellow is appropriate for individuals who have completed no more than one prior postdoctoral fellowship, at Mayo Clinic or elsewhere.

### Benefits eligible

Yes

**Schedule**

Full Time

**International Assignment**

No

**Why Mayo Clinic**

The Research shield at Mayo Clinic is committed to creating a diverse environment and recognizes that diverse research teams make better decisions, are more equipped to solve complex problems and adapt to change, and produce better outcomes. That diversity is about opening up to unconventional ideas that create better outcomes, while recognizing colleagues' unique contributions. Become part of the legacy that embraces these differences and enables us to provide the best care to patients from all over the world.

Mayo Clinic offers a variety of employee benefits. For additional information please visit [Mayo Clinic Benefits](#). Eligibility may vary.

**Site description**

Mayo Clinic is located in the heart of downtown Rochester, Minnesota, a vibrant, friendly city that provides a highly livable environment for more than 34,000 Mayo staff and students. The city is consistently ranked among the best places to live in the United States because of its affordable cost of living, healthy lifestyle, excellent school systems and exceptionally high quality of life.

**Visit the link below to apply**

<https://jobs.mayoclinic.org/job/rochester/research-fellow-nephrology-and-physiology-molecular-biology/33647/18714264576>