



Postdoctoral Research Fellowship in Diabetes / Kidney Disease / Extracellular Matrix at Center for Matrix Biology - Division of Nephrology - Vanderbilt University, Nashville TN

Job Description

A NIH-funded postdoctoral fellowship is available immediately in the [laboratory of Dr. Roberto Vanacore](#) to investigate molecular mechanisms of renal fibrosis in chronic kidney disease. We use animal models in combination of cutting-edge technologies in proteomics/mass spectrometry, biochemistry and molecular/cell biology to investigate the structure-function relationship of collagen and its modifying enzymes on the biosynthesis, assembly and function of the renal extracellular matrix. Consistent with our laboratory efforts to identify novel potential therapies for renal disease, the candidate will have the opportunity to pursue translational research in collaboration with pharmaceutical companies by testing novel compounds designed to inhibit the development and progression of kidney fibrosis. The Vanacore Lab is housed in the Division of Nephrology and is part of the [Vanderbilt Center for Kidney Disease](#) and [Center for Matrix Biology](#).

Candidate Skills

We are seeking a highly motivated recent PhD graduate with experience in protein biochemistry and molecular/cell biology. The ideal candidate will be proficient in the design, cloning, purification and functional characterization of recombinant enzymes. A desire to deepen proficiency in protein biochemistry by learning mass spectrometry/proteomics will be a good fit as our Lab can provide excellent training opportunities in a great environment. Mouse work experience is preferred, although not a requirement as the laboratory can provide training to models of renal disease. Ability to think and work independently as well as a creative and critical mindset are key features for a successful candidate. Excellent oral and written communication skills and the ability to work as a team member are essential. Participation in grant and manuscript writing is expected. Preference will be given to individuals pursuing an academic career with a strong desire to drive projects to completion and publish as a lead author.

Requirements and Benefits

This is a full-time position that requires a PhD degree (Biochemistry, Molecular/Cell Biology, or related discipline). Salary is based on NIH pay scale starting from \$50,004. Vanderbilt also offers an excellent benefits package including a retirement plan, health and dental insurance, etc. More information about postdoctoral positions, available resources and relocation to Nashville, TN can be found at the BRET office (<https://medschool.vanderbilt.edu/postdoc/>)

Please submit a cover letter describing previous professional experiences, a summary of your current work, future plans and expectations. When listing publications please include a brief summary of your role and contributions to the study. The letter, CV and contact information for at least 3 references should be sent to roberto.vanacore@vanderbilt.edu.