

Postdoctoral Position
Laboratory of Vascular and Matrix Genetics in
the Translational Vascular Medicine Branch,
National Heart, Lung, and Blood Institute of the
National Institutes of Health (NIH),
Department of Health and Human Services

Dr. Beth Kozel, Laboratory of Vascular and Matrix Genetics and the Translational Vascular Medicine Branch, National Heart, Lung, and Blood Institute (NHLBI), NIH, Bethesda, MD is recruiting a postdoctoral researcher to work at the **intersection of vascular, immune, and matrix biology**. The lab is internationally known for work on rare vascular diseases, especially those caused by connective tissue defects. Recent work has identified a role for immune modulation of vascular outcomes in children with elastin mediated disease.

The laboratory seeks a candidate with experience in vascular and immune biology to drive investigation of inflammation in novel mouse models of elastin-mediated vascular disease. The laboratory uses a multidisciplinary approach, bringing together studies utilizing mouse models, patient-derived primary cells, and human-induced pluripotent stem cells. State-of-the-art methodologies are used in both human and murine systems including CRISPR/Cas9 technology, multi-photon, light sheet, and FIB-SEM electron microscopy, as well as a wide range of next generation sequencing approaches (e.g. single cell RNA-seq, Long-read DNA/RNA sequencing, Chip-Seq and ATAC-seq, and spatial transcriptomics).

Candidates are sought to drive bench-to-bedside investigations relating differences in immune biology to elastin mediated disease outcomes. Experience in vascular immunology and animal models preferred. Candidates in other fields who are committed to learning new skills and keen to bring their unique expertise to study matrix diseases in a collaborative environment are also appreciated.

The candidate must have received a Ph.D. and/or an M.D. degree. The candidate will be supported with the excellent intramural NIH fellowship in a stimulating and interactive research environment at NIH. Salary commensurate with level of training.

To apply, email your curriculum vitae and names and contact information for three references to:

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