

**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 in the field of vascular and matrix biology. The lab is internationally known for work on rare vascular diseases, especially those caused by connective tissue defects. Most of the group's work is focused on the study of elastin related diseases including Williams syndrome (WS), isolated supravalvular aortic stenosis (SVAS), and elastin-variant driven aortic aneurysm.

The laboratory uses a multidisciplinary approach, incorporating 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 range of next generation sequencing approaches (e.g. single cell RNA-seq, Long-read DNA/RNA sequencing, Chip-Seq and ATAC-seq).

Candidates are sought to drive bench-to-bedside investigations relating to the impact of genetic variation on elastic fiber gene expression and fiber assembly. The ideal candidate has a strong background in genetics, molecular and stem cell biology. Prior experience with imaging or tissue engineering/regenerative medicine technologies a plus. 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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