Job Summary
A Postdoctoral fellowship is available in the Center for Vision Research at SUNY Upstate Medical Center, Syracuse, NY in the lab of Dr. Audrey Bernstein starting July 2017.

Promoting regenerative healing in the eye. Scarring results from the persistence of myofibroblasts, cells that excessively contract tissue and secrete disorganized extracellular matrix. RNA sequencing of myofibroblasts revealed significant changes in the expression of genes coding for ubiquitin pathway components, including increased expression of a subset of deubiquitinating enzymes (DUBs). This project will 1) investigate the impact of the DUB, USP10 in regulating integrin-mediated scarring (signaling, cell differentiation, matrix contraction) and 2) test the efficacy of a self-delivery siRNA therapeutic to promote regenerative healing and prevent scarring in vivo.

This project uses human primary patient-derived cells, organ culture, molecular and cell biological techniques as well as genetic and proteomic screening. The salary will be according to NIH guidelines, depending on the number of years of postdoctoral experience.

Required Qualifications
We are seeking highly motivated and creative individuals with a PhD or MD. Experience in cell culture, molecular biology, and/or ocular surgery on animal models (rabbits) is welcomed. The successful candidate will have excellent organizational and communication skills.

Contact:
Please send a CV and contact information for 3 references to Dr. Audrey Bernstein (audrey.bernstein@mssm.edu).