



Postdoctoral Research Fellow – Mayo Clinic, Department of Physiology & Biomedical Engineering

Postdoctoral positions are available in the lab of Dr. Daniel Tschumperlin to study mechanobiology, fibroblasts and matrix biology within the context of lung development, injury/repair and fibrosis. The work is to be conducted within a multidisciplinary laboratory featuring state-of-the-art resources, including atomic force microscopy, and access to excellent core facilities. The successful candidate will have established experience in two or more of the following: (a) cell/tissue imaging techniques such as fluorescence, confocal, multiphoton and atomic force microscopy; (b) development of 3D cell culture, complex co-cultures and/or organotypic tissue culture systems; and (c) basic techniques in biochemistry and molecular biology. Opportunities exist to study novel regulators of fibroblast biology, cytoskeleton, and matrix remodeling at the molecular, cellular, and organismal scales in model systems and human cells/tissues. The candidate will be expected to develop and execute independent research plans leading to peer-reviewed publications, should be comfortable working within an interdisciplinary group of research personnel, and possess excellent oral and written communication skills. Maximum consideration will be given to candidates with first author publications and motivation and initiative towards independence. Although the candidate's salary will be fully supported by intramural as well as extramural (NIH) funding, he/she will be expected to initiate progress towards independence via submission of research grant proposals.

For more information see: <http://www.mayo.edu/research/faculty/tschumperlin-daniel-j-ph-d/BIO-20013669>. Please send application materials, including curriculum vitae and names of three or more references, to tschumperlin.daniel@mayo.edu.