A postdoctoral position is available in Dr. Stella Alimperti’s Tissue-On-A-Chip Lab within the American Dental Association Foundation (ADAF) and National Institute of Standard and Technology (NIST) in DC area. Our research is focused on developing novel in situ and ex vivo systems with potential translation into new therapies for vascular diseases. We use microfluidic systems (organ-on-a-chip technology), synthetic biology tools and advanced microscope techniques to study the pathophysiology of blood vessels in oral cavity, bone and brain. The successful candidate will have the opportunity to develop its own research questions within the area of bioengineering.

The ideal candidate will have experience in vascular biology area, microfluidics, microfabrication, molecular biology techniques (cloning, western blot, etc.), and microscopy.

A PhD in a related field such as biomedical, mechanical or chemical engineering is required.

This full-time position (~50K per year) with benefits is fully funded for two years with an initial appointment of one year. There is also the possibility of extending the position beyond the first two funded years by applying for outside fellowships. The start date is flexible. Applicants should submit a letter of interest, CV, relevant publications, and contact details for two academic references to Dr. Stella Alimperti: stylani.alimperti@nist.gov.