

Job Description:

The Edelman Laboratory, located at the Harvard-MIT Division of Health Science and Technology (HST), integrates the fields of vascular biology, tissue engineering and biomedical engineering. The laboratory uses elements of continuum mechanics, digital signal processing, molecular biology and polymeric controlled release technology to examine the cellular and molecular mechanisms that transform stable coronary-artery disease to unstable coronary syndromes. Tissue-generated cells, for example, deliver growth factors and growth inhibitors for the study and potential treatment of accelerated arterial disease following angioplasty and bypass surgery. Laboratory publications are available [LINK](#).

The laboratory invites applications for one postdoctoral position in vascular and immune biology. The position is within in the framework of a program aiming to attain comprehensive understanding of the role of tissue engineered endothelial cells in immune regulation and vascular repair.

Qualifications:

Candidates should have a M.D. and/or Ph.D. in immune biology or a related field, with personal interest in the relationship of immune and vascular biology interactions. Candidate must have multi-disciplinary hands-on experience. The ability to be independent while also working in a team environment is crucial. The candidate should also have exceptional written and verbal communication skills, be self-motivated and have demonstrated productivity.

Interested candidates should send their C.V. and list of references to Dr. Elazer R. Edelman at ere@mit.edu.