

## **Postdoctoral Research Fellowship available in the lab of Dr. Jessica Cardenas**

A fully supported postdoc position is immediately available in the Department of Surgery, Center for Translational Injury Research, at the McGovern Medical School of the University of Texas Health Science Center at Houston.

### **Research Summary:**

Dr. Cardenas' lab is focused on hemostasis, thrombosis, and vascular biology, with a particular emphasis on hemostatic and vascular dysregulation in response to hemorrhagic shock. The specific goal of this position is to elucidate mechanisms by which the serine protease inhibitor antithrombin III (ATIII) regulates endothelial inflammatory responses and permeability following hemorrhagic shock, and how ATIII could potentially be used therapeutically to mitigate diffuse vascular dysfunction. Approaches in this lab are highly translational and utilize in vitro and in vivo models. In addition, the Cardenas lab collaborates closely with clinical colleagues to obtain human patient samples. We also collaborate with other departments, in particular, to study hemostatic and endothelial changes that affect hemorrhagic lesion expansion following traumatic brain injury. The fellow would have freedom to steer their project independently and develop new projects both within the lab and in collaboration with other labs/departments. The fellow will also receive mentorship from the PI and other senior members of the department and assistance with career development.

### **Requirements**

Applicants must have a Ph.D., M.D./Ph.D., or equivalent with a strong background in hemostasis, thrombosis, and/or vascular biology. The ideal candidate would be highly motivated, able to design and execute experiments, and willing to work both independently and in a team environment.

To apply, please submit your CV, a letter of interest, and the names and contact information of three references to [Jessica.C.Cardenas@uth.tmc.edu](mailto:Jessica.C.Cardenas@uth.tmc.edu).

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