Post-Doctoral Research Position in Cardiovascular Modeling

We have an opportunity at UCLA for a post-doctoral researcher in cardiovascular modeling. The two-year project, focused on development of a training simulator for trauma care, will be an excellent opportunity to utilize and hone a diverse set of skills in both computational fluid dynamics and system dynamics modeling. The post-doc will be an integral part of a team consisting of members from surgery, engineering, applied mathematics, computer science, and education.

As such, we are looking for a highly motivated researcher who has experience in one or both of the following: (1) dynamical modeling, particularly of the cardiovascular system and associated regulatory functions, and (2) development of computational fluid dynamics tools. It should be noted that the CFD is primarily to be used in a graphics capacity, with an emphasis on visual over physical fidelity. It is expected that a successful project will lead to several first-author publications in the biomedical literature, presentation in conferences, and opportunities for follow-on projects.

The desired start date is October 1 or as soon as possible thereafter.

If interested, please send an email to Prof Jeff Eldredge (eldredge@seas.ucla.edu), with the subject “Re: post-doc in cardiovascular modeling”.