



Postdoctoral Scholar Position in Biofluid Mechanics Department of Mechanical and Aerospace Engineering University of California, San Diego

The Department of Mechanical and Aerospace Engineering at UC San Diego invites applications for two postdoctoral positions in biofluid mechanics. The selected candidates will join a collaborative project addressing the development of quantitative models pertaining to cerebrospinal fluid flow and solute transport in the central nervous system. The project, funded by the NIH - National Institute of Neurological Diseases and Stroke, combines the use of asymptotic methods and direct numerical simulations with in-vitro experimentation and detailed in-vivo patient-specific radiological measurements. The positions are available August 1, 2023 (open until filled). Successful candidates will be appointed for a full-time, 24-month period as a postdoctoral research associate.

We seek applicants with a strong fluid mechanics background and a record of productive and creative research, as proven by publications in peer-reviewed journals. Relevant experience in multiscale flow problems will be especially valued, as well as expertise in asymptotic and numerical methods.

Qualified candidates should send a CV and list of publications along with the email addresses for three references to Prof. Antonio L. Sánchez (als@ucsd.edu). Review of materials will begin immediately, and applications will be considered until the positions are filled.