

Postdoctoral Research Associate: BioFluid Mechanics Auburn University

Direct Link: <https://www.AcademicKeys.com/r?job=228585>

Downloaded On: May. 9, 2024 1:19am

Posted Jan. 9, 2024, set to expire May 10, 2024

Job Title	Postdoctoral Research Associate: BioFluid Mechanics
Department	Aerospace Engineering https://www.eng.auburn.edu/aero/#gsc.tab=0
Institution	Auburn University Auburn, Alabama
Date Posted	Jan. 9, 2024
Application Deadline	Open until filled
Position Start Date	June 2024
Job Categories	Post-Doc
Academic Field(s)	Mechanical Engineering Chemical/Petroleum Bioengineering (all Bio-related fields) Aerospace/Aeronautical/Astronautics
Job Website	https://aub.ie/afrg
Apply By Email	
Job Description	

Postdoctoral Research Associate: BioFluid Mechanics Auburn University

Direct Link: <https://www.AcademicKeys.com/r?job=228585>

Downloaded On: May. 9, 2024 1:19am

Posted Jan. 9, 2024, set to expire May 10, 2024

The Applied Fluids Research Group (AFRG) at Auburn University has an immediate opening for a Postdoctoral Research Associate in the area of Experimental BioFluid Mechanics. The research group led by PI – Vrishank Raghav has multidisciplinary research interests ranging from aerospace, biomedical, bio-inspired, and wind engineering with currently funded projects related to biomedical flows, rotating flows, internal flows, plume-surface interactions, droplet-laden flows, and more. Current sponsors include NSF, NIH, NASA, AvMC, and ARO. More information can be found at the following webpage – <https://aub.ie/afrg>

The primary focus of this position is to support ongoing biofluid mechanics-related research on fluid-structure interactions of heart valves (NSF and Industry funded) with opportunities to contribute to other ongoing projects in experimental fluid mechanics. Responsibilities will include planning and leading experiments including experimental facility design, diagnostic development, data acquisition, and data analysis; mentoring and support of graduate and undergraduate students; preparation of peer-reviewed journal articles, conference publications, and technical reports; presentation of work at professional conferences; and participation in the development of new research ideas and research proposals. Candidates will also be highly encouraged to use this opportunity to gain experience with new experimental techniques, such as light-field imaging, and/or new fields of research.

Applicants must have a doctoral degree in Mechanical Engineering, Biomedical Engineering, Aerospace Engineering, or a related discipline and must have an outstanding academic record. The successful candidate will have a fundamental knowledge of fluid dynamics, experience in experimental fluid mechanics, and application of experimental diagnostic techniques including PIV. Prior knowledge of biofluid mechanics is desired but not necessary. In addition, knowledge of software such as SOLIDWORKS (CAD), LabVIEW, MATLAB, and Tecplot is desired. The candidate will also possess strong oral and written communication skills.

The position has an anticipated duration of one year, with the possibility of extensions based on the availability of funds and performance, for a total of two years. Interested applicants should send, via e-mail, a cover letter describing their background, interest in the position and career goals; their C.V., an electronic copy of at least two representative publications; and a list of 3 references to:

Postdoctoral Research Associate: BioFluid Mechanics Auburn University

Direct Link: <https://www.AcademicKeys.com/r?job=228585>

Downloaded On: May. 9, 2024 1:19am

Posted Jan. 9, 2024, set to expire May 10, 2024

Vrishank Raghav
Associate Professor
Department of Aerospace Engineering
Phone: (334) 844-6811
raghav@auburn.edu
<https://aub.ie/afrg>

EEO/AA Policy

AUBURN UNIVERSITY IS AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER. It is our policy to provide equal employment opportunities for all individuals without regard to race, sex, religion, color, national origin, age, disability, protected veteran status, genetic information, sexual orientation, gender identity, or any other classification protected by applicable law.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Vrishank Raghav
Aerospace Engineering
Auburn University
Auburn, AL

Contact E-mail raghav