

Postdoc opening at the University of California Santa Barbara: Flow through artificial vasculature in soft media

The Bio-Inspired Fluid Flow laboratory ([BIFF lab](#)) is recruiting a postdoc for a research project sponsored by the University of California Cancer Research Coordinating Committee to manufacture channels in soft gel and study the transport in the complex environment. The candidate will develop an injection printing method using emulsions as ink. The goal of the project is to create 3D cell culture environments whose properties will allow the development of complex tissues such as cancer tumors.

Our research is multidisciplinary and thrives when the members contribute a range of knowledge and experience. An ideal candidate* is a trained experimentalist with experience in at least one of these areas: fluid mechanics, microfluidics, complex fluids (rheology and/or synthesis), fluid-structure interactions, interfacial effects, advanced manufacturing (3D printing). Most importantly, the candidate should be highly motivated to learn complementary skills and work in a collaborative environment. Written and oral communication skills will also be a factor.

Through this project, the successful applicant will develop professional and technical skills. I am committed to ensuring that all group members grow as scientists, publish, present their work, experience mentorship and fundraising, and find positions commensurate with their goals.

UCSB is located in Santa Barbara, California and characterized by its highly collaborative and dynamic research environment. The campus houses world class facilities including the California NanoSystems Institute, the BioPACIFIC NSF material innovation platform, and a NanoFabrication facility all within a 2-minute walk of the BIFF lab.

If you would like to be considered for this opportunity, please email your resume and a brief statement of what attracts you to this research by December 15th, 2021. Send the names of three references. Feel free to email to learn more about the research and the group.

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** The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.*

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy https://policy.ucop.edu/doc/5000695/SARS-CoV-2_Covid-19. All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and Religious Objection) or Deferral (based on pregnancy) no later than the application deadline.