

Rodriguez Flow Research Lab
Fluid and Thermal Sciences Group
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Graduate Research Assistant Openings with the Rodriguez Lab

The Rodriguez Flow Research Lab with the Fluid and Thermal Sciences group in the School of Engineering at Brown University invites applications for graduate research assistants for the 2022 academic cycle. The graduate students to join this research group will be involved in a range of problems in computational multi-component/-phase fluid flows. As part of the Rodriguez lab, graduate students shall lead a computational fluid dynamics research project in areas involving flow-induced high-strain deformations, bubble dynamics in/near soft materials, and viscoelastic compressible droplet dynamics.

The Rodriguez lab fosters an inclusive excellence-oriented research environment with postdoctoral scholars and graduate students from diverse demographic/cultural and academic backgrounds. The lab members are expected to take on challenges in fluid dynamics with curiosity and grit. The lab encourages and thrives in a highly collaborative research environment that generates best practices and engineering science solutions. Through the course of their graduate careers, the graduate students shall grow their scholarly independence and expertise in fluid dynamics with specialization in, but not limited to, continuum mechanics, high-performance computing, and rheology.

Admission preference shall be provided to doctoral graduate students. Masters-level students may join the group for available projects with match. Graduate students in the Rodriguez lab are financially supported during their graduate programs. Graduate students are strongly encouraged to apply to external fellowships to their own further independent scholarship and workforce competitiveness. The Principal Investigator (PI) strongly encourages applications from women and individuals from historically underrepresented groups.

The PI kindly notes that he receives a high volume of emails with inquires regarding the graduate positions. The emails are carefully read and deeply appreciated; however, it is not possible to respond to all of them. The PI can not assess the likeliness of an applicant's admission to Brown University Graduate program, School of Engineering, or the lab without an official Brown graduate program application review. Questions regarding the application materials, fees, etc. should be directed to graduate applications staff. Applications submitted to Brown and the School of Engineering are carefully reviewed by a committee comprised of faculty members.

For more information regarding Brown/School of Engineering admissions, please visit engineering.brown.edu/graduate/programs-and-deadlines. For highly specific questions regarding research or the lab culture, please email the PI. Please state if you have secured or are applying for external funding.

Principal Investigator

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