

One Ph.D. Research Assistantships at Texas A&M (Fall 2023/Spring 2024)

The Yao Multiphysics Lab led by Dr. Yinuo (Noah) Yao in the Department of Civil and Environmental Engineering (CEE) at Texas A&M University is recruiting one Ph.D. student. The focus of the research will be on exploring the interactions between flow and microorganisms in the context of water and energy applications.

The Texas A&M Engineering Program has been ranked No. 10 nationally in the latest U.S. News & World Report rankings. The Yao Multiphysics Lab, led by Dr. Yinuo (Noah) Yao, is based in College Station, TX, a city that is known for its peaceful and safe environment. College Station is conveniently located within a 1.5-hour drive to both Houston and Austin, and within a 3-hour drive to Dallas, making it easily accessible to major cities in the region.

What do we expect from you?

Position:

- A highly motivated individual with a strong interest in understanding the fundamental interactions between flow and microorganisms through experimental research.
- A master's degree in relevant fields including but not limited to environmental engineering, petroleum engineering, mechanical engineering, etc is highly desirable but not required.
- Experience in fabricating microfluidic chips and conducting microfluidic experiments

What can we offer?

- Fully cover tuition, stipend, eligible insurance/fees, and professional travel expenses
- Build interdisciplinary skillset in microbiology, environmental science & engineering, energy engineering, fluid mechanics and computational methods, data analysis and visualization, and scientific writing and communications.
- Personal development and mentorship plan that boosts your career goals
- Collegial and collaborative environment

How to apply?

Interested candidates are encouraged to contact Dr. Yao (yaoyinuo@stanford.edu) to discuss opportunities, with a subject line as "Ph.D. RA <your name>". Please send a single pdf file including **1)** a one-page cover letter that highlights your background, research expertise and interests, skills, and career goals; **2)** curriculum vitae; **3)** unofficial transcripts; **4)** sample of scientific writing (e.g., published manuscript as the first author, a manuscript in preparation, thesis, project report); and **5)** contact information for 3 references. Formal applications through the graduate school system will be requested from strong candidates. All applicants must satisfy [Texas A&M graduate program admission requirements](#). Application consideration will begin immediately and will continue until the position is filled.