



We are looking for creative and driven researchers to join our team:

- 1- Postdoctoral fellow position supported by Yale Anderson Bioscience Fellowship to explore problems related to transport, dispersion, and pattern formation of bacteria in heterogeneous environments with the start date of March, 2022. Expertise in experimental biophysics and microfluidics is required.**
- 2- PhD positions in the broad area of interfacial transport phenomena for Fall, 2022. The application deadline for the PhD program is December 15th.**

We are a curiosity-driven research group investigating problems at the intersection of physics, biology and engineering with applications in energy, environment, water resources and advanced materials.

Our main focus is on understanding the interfacially-driven transport phenomena in heterogeneous environments, drawing inspiration from a broad range of natural phenomena and technological applications, including water and nutrient transport in plants, phase separation in living cells, water desalination, CO₂ sequestration, and pattern formation in biology and geosciences.

We combine experimental observations, numerical simulations, and theoretical modeling using the methods of fluid mechanics, soft matter, and statistical physics to tackle these problems.

Postdoc applications should be sent to amir.pahlavan@yale.edu and should include a cover letter, a CV, and the contact details of at least two references.

More information can be found on our website: pahlavan.yale.edu.