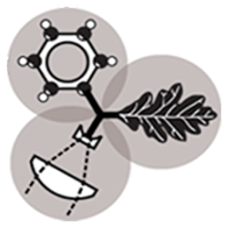


Postdoctoral Position at Harvard!

Email: Ye Tao (tao@rowland.harvard.edu)



The Rowland Institute at Harvard is a cutting-edge, multidisciplinary research facility dedicated to producing new instrumentation and academic leaders of tomorrow. We take on the most challenging scientific questions of our time through engineering across the length scales. We build and study monolayers of atoms, nanoscale sensor and energy devices, as well as robots that track the movements of animals and the firing of every neuron in their brains.

The Tao Lab at the Rowland Institute is looking to hire a postdoctoral collaborator to push the boundary of ultrasensitive scanning probe force microscopy.

Skillset requirements

The candidate should be an expert in the synthesis, precision nano-fabrication, and electromechanical characterization of low-dimensional materials, including, but not limited to, single-walled carbon nanotubes, atomically-thin 2D materials, and their hybrid structures.

The ideal candidate should also have designed, built, and operated vacuum processing and measurement systems. Advanced nanofabrication techniques such as ebeam lithography are desirable. The candidate must be focused, perseverant, and have experience developing new micro-nanofabrication and measurement technologies.

Aspirations and character of the candidate

We would be thrilled to be joined by a colleague who is genuinely excited by nanoscale science and engineering, and who has plans to pursue an academic career; he or she must enjoy the process of rigorous, inevitably tedious, science. The candidate must therefore be able to commit at least 2 years to the project. An appreciation for the outdoors, good food, and the performing arts will help your social integration into the Tao group.

Why Boston?

beautiful city with a rich history/culture; world-class research universities; booming economy based on pharmaceutical and technological innovation; nice beaches, hiking trails, nearby ski resorts, sailing, kayaking, canoeing, and camping opportunities in the city and around nearby harbor islands; fresh seafoods and affordable restaurants.