Postdoctoral Research Position
Texas A&M University Health Science Center
Department of Medical Physiology

A Postdoctoral position is available in Dr. Andreea Trache laboratory to study molecular dynamics with a focus on mechanotransduction at cell-cell and cell-matrix adhesions, and their connection with the cytoskeleton in aging and thoracic aneurysm. These studies will involve the use of atomic force microscope (AFM) combined with total internal reflection fluorescence (TIRF) and spinning-disk confocal microscopy. The successful candidate should have experience/training in optical imaging methods, and prior experience with cell cultures, transfections, cell staining and molecular biology. Prior experience with AFM is a plus. The laboratory is housed in the new Medical Research and Education Building II on College Station/Bryan campus. Salary and fringe benefits will be commensurate with qualifications. Interested applicants please upload curriculum vitae and names and contact information of three references at the job site.

Required Qualifications – Education, Experience, Knowledge & Skills
• PhD in a related field
• Ability to multi-task and work cooperatively with others and perform all job responsibilities safely without injury to self and others in compliance with A&M System and HSC guidelines.
• Provide a safe environment that fosters respect, inclusion and equality of all faculty, staff, students and visitors.

Preferred Qualification – Education, Experience, Knowledge & Skills
• PhD in biophysics, biochemistry or engineering and demonstrated research experience in the field
• Demonstrated experience in confocal imaging technique
• Previous experience in working with live cells and fixed tissues
• Previous experience in a research cell culture laboratory
• Ability and willingness to learn new microscopy techniques and/or software analysis packages as needed.
  • Knowledge in TIRF, spinning-disk confocal, and atomic force microscopy is a plus
  • Knowledge in using Fiji/Image J and/or Imaris is a plus
  • Previous experience in handling rodents is a plus
  • Have excellent oral and written communication skills in English language
  • Strong interpersonal and communication skills necessary in interacting with users.
• Work productively in a team-oriented environment

To apply, please visit https://www.tamhsc.edu/jobs/ and search for job R-024932. For further information you can contact Dr. Andreea Trache (trache@tamu.edu). Please DO NOT send your application to this email address. Applications must be done via the on-line recruitment system.