

PhD positions in Nanoscale Probing of Gene Expression

PhD graduate student positions are available in the Gruss-Lipper Biophotonics Center at Albert Einstein College of Medicine in New York City for the study of nanoscale functional and structural probing of mammalian gene expression. The PI's research is focused on studying human mega-Dalton sized transcription initiation assemblies directing gene expression programs responsible for tumor suppression and stem cell differentiation. The predominant experimental approaches utilize various biochemical analysis, high precision single molecule live cell imaging and advanced single particle cryo-electron microscopy.

The Coleman and Liu labs are seeking outstanding candidates who have received their funding for pursuing their Ph.D. in the US to join our research team. Qualified candidates must recently obtain their undergraduate or master degrees with a major in Biophysics, Physics, Biochemistry, Chemistry or Molecular and Cell Biology. In addition, candidates must take GRE and TOEFL exams. The successful applicants will receive excellent research experiences from the PIs and the cutting-edge interdisciplinary, innovative, and collaborative research environment in the Gruss-Lipper Biophotonics Center at Einstein, which is dedicated to developing advanced techniques to address devastating disease-driven biological questions and therapeutic targets.

The research environment at the Gruss-Lipper Biophotonics Center is outstanding and the greater community offers numerous opportunities. Enthusiastic and highly motivated candidates are encouraged to contact Dr. Wei-Li Liu by e-mail at wei-li.liu@einstein.yu.edu with a CV, a proof of funding, and at least three references.