Post-Doc Position in
Cellular Engineering Technologies
Northwestern University

Description:

Applications are invited for a Postdoctoral Research Associate in the area of cellular engineering technologies in the Department of Biomedical Engineering at Northwestern University. The candidate will interact closely with investigators from the schools of Engineering, Medicine, and Arts and Sciences. The position will involve research at the intersection of biology and engineering with an emphasis on development and application of nano and micro technologies for gene editing and cell analysis in the context of gene and immune therapies, drug screening, mechanistic understanding of disease (e.g., Alzheimer’s).

Desired Qualifications:

1. Ph.D. in engineering or related discipline
2. Hands-on experience with cell culture, multiple molecular biology/biochemistry methods (plasmid preparation, cloning, transfection, CRISPR/Cas9, PCR, western blot, next-gen sequencing, FACS, MALDI) and optical/confocal microscopy
3. Working knowledge of bio-tools and their principles
4. Ideal candidates will have experience with microfluidic platforms and plasmonic sensing
5. Strong verbal and written communication skills
6. Eligibility to work in the US (i.e., OPT or green card)

Why this is a great opportunity:

- Opportunity to work at the intersection of engineering and medicine
- Potential to be an inventor of new technologies and commercial products
- Experience a top US research university with first-class facilities
- Be part of one of the most entrepreneurial environments in the world
- Many cultural and recreational activities at the university and Chicago area
- Comprehensive benefits

To apply: Interested candidates should email a CV (including list of publications with journal impact factors), cover letter describing research experience and interests, eligibility to work in the US, and the names and email addresses of three references to Professors Evan Scott (evan.scott@northwestern.edu) and Horacio D. Espinosa (espinosa@northwestern.edu).

Northwestern University is an equal opportunity, affirmative action educator and employer.