



## Post-Doc Position in Novel Technologies for Cell and Tissue Analysis Northwestern University

### Description:

Applications are invited for a Postdoctoral Research Associate in the area of cell and tissue analysis, from molecular to mechanical, in the Departments of Mechanical and Biomedical Engineering at Northwestern University. The candidate will interact closely with investigators from the schools of Engineering, Medicine, and Arts and Sciences in the context of applications ranging from tissue mechanics, mechanistic understanding of disease (e.g., Alzheimer's, ADL), and immune therapies. The position will involve research at the intersection of engineering and biology.

### Desired Qualifications:

1. Ph.D. in engineering or related discipline
2. Extensive experience with at least two of the following:
  - Hands-on experience with cell culture, multiple molecular biology/biochemistry methods (plasmid preparation, transfection, CRISPR/Cas9, PCR, western blot, next-gen sequencing, FACS) and optical/confocal microscopy
  - Working knowledge of bio-tools and their principles
  - Microfabrication processes
  - Microfluidic platforms and plasmonic sensing
3. A good record of publications
4. Strong verbal and written communication skills
5. Eligibility to work in the US (i.e., visa, 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 collaborative and entrepreneurial environments in the US
- 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 Professor **Horacio D. Espinosa** ([espinosa@northwestern.edu](mailto:espinosa@northwestern.edu)).

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