Description:

Applications are invited for a Postdoctoral Research Associate in the area of nanobiotechnology at the Institute for Cellular Engineering Technologies (http://icet.northwestern.edu/), Northwestern University. The candidate will interact closely with the groups of Professors H.D. Espinosa, Jack Kessler, Evangelos Kiskinis, and Joshua Leonard, from the Feinberg School of Medicine and McCormick School of Engineering, Northwestern University. The position will involve research at the intersection of engineering and biology with potential projects being: development of nano and micro technologies for analysis of cell engineering, stem cell differentiation, and 3D cell microenvironments.

Desired Qualifications:

1. Ph.D. in an engineering discipline or physical science
2. Experience with microfluidics for cell manipulation and analysis
3. Working knowledge of electronic instrumentation applied to electroporation and/or electrophysiology.
4. Strong verbal and written communication skills
5. Ideal candidates will have hands-on experience in stem cell culture, biological assays (RNA profiling, mass spectroscopy), and confocal microscopy

Why this is a great opportunity:

• Opportunity to develop real-world applications with potential to be an inventor of technologies for commercial products
• Experience at a top US research university with first-class facilities
• 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, and the names and email addresses of three references to Professor Horacio D. Espinosa, Director of the campus-wide Institute for Cellular Engineering Technologies, at espinosa@northwestern.edu.

Only applicants with OPT or permanent residency will be considered.