SAMDI Postdoctoral Fellow Position

The Mrksich group (mrksichgroup.northwestern.edu) at Northwestern University is seeking a highly motivated postdoctoral researcher to advance our efforts developing SAMDI techniques for high-density storage of information on self-assembled monolayers (Cafferty, et al., 2019, ACS Cent. Sci.) and developing glucose sensors (Park, et al., 2019, Nano Letters, Sharma, et al., 2016, JACS). We are looking for candidates with research experience using self-assembled monolayers, MALDI mass spectrometry, glucose sensing methods including SERS, and data-processing algorithm development in MATLAB. An ideal candidate would be familiar with the Bruker RapifleX mass spectrometer and imaging MALDI (Grant, et al., 2018, Anal. Chem., Grant, et al., 2018, Small). Additional beneficial skills include operating liquid handling robotics for preparation of high throughput mass spectrometry assays, experience with microfluidic platforms, solid phase peptide synthesis, cloning and protein expression.

Qualifications

We are seeking a candidate with a PhD in Chemistry, Chemical Engineering, Bioengineering, Biomedical Engineering, Materials Science, or related field, and a record of high-quality publications.

To apply or inquire about the position, please email Brianna Bullock at mrksich-ofc@northwestern.edu and attach your cover letter and CV.

Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.