

Research Associate Position in Regenerative Medicine

Mentor: Tao Lowe, Ph.D.

Description

One Research Associate position is available immediately in Dr. Tao Lowe's Biomaterials for Translational Research Laboratory at the University of Maryland. The qualified candidate will work on projects in developing biomaterials for tissue engineering and controlled drug delivery. The individual will be primarily responsible for the biomaterial designs, syntheses, characterizations and evaluations. The work includes syntheses of the biomaterials by organic, polymer and peptide synthesis techniques. It will also involve characterizations of the synthesized biomaterials by using a number of sophisticated characterization techniques including FT-IR, NMR, LC/MS/MS, UV/Vis, static and dynamic light scattering, confocal microscopy, flow cytometry, HPLC, rheometer, DSC, AFM, SEM, TEM, and microplate reader, *etc.* The position will also entail conducting *in vitro* cell culture and *ex vivo* and *in vivo* animal work. The individual will conduct data analysis, reporting, manuscript and grant writing, and supervision of junior lab members. The individual may be also asked to assist with other projects in the laboratory on an occasional basis.

Qualifications

PhD in Materials Science and Engineering, Chemistry, Bioengineering, Chemical Engineering, Pharmaceutical Sciences, or a closely related field. Candidates must have strong work ethic, and possess technical, critical thinking, interpersonal and written communication skills. They should also have strong skills in polymer and organic synthesis, mass spectroscopy and cell culture with excellent publication record of first-authorship. Candidates with prior successful fellowship/funding records are preferred.

The position is available immediately, but the start date is negotiable. It is expected that funding for this position will be available for one year; however, the position may be renewed annually, contingent upon acceptable job performance.

Interested applicants should submit a cover letter with a summary of research experience, curriculum vitae, and a list of three references by email to:

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