

University of Alabama

Post-Doc/Visiting Scientist – Polymer Chemistry

Job no: 512212

Position type: Regular Full-time (Benefits eligible)

Location: Tuscaloosa

Division/Equivalent: Academic Affairs

School/Unit: CCHS

Department/Office: 208301 - Biomedical Sciences

Categories: Research/Scientific

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Pay Grade/Pay Range: Non Classified - Grade NA

Department/Organization: 208301 - Biomedical Sciences

Normal Work Schedule: Monday - Friday 8:00am to 4:45pm

Job Summary: Under the direction of a senior faculty member who serves as a mentor for the postdoctoral appointee, The Postdoctoral Fellow provides for an internship and continuation of scholarly activity and research after achieving the Ph.D. or other doctoral degree.

Additional Department Summary: A new department within the College of Community Health Sciences (CCHS), the Department of Bioscience and Biomedicine at the University of Alabama (UA), is excited to invite qualified candidates to a Postdoctoral Research Associate position to meet its growing research initiatives. We wish to emphasize that this is a highly unique opportunity to recruit new staff to one of the leading teams in the nation in nanotechnology-based oral drug delivery, which is the subject of three currently funded multi-year R01 grants from the National Institutes of Health. UA's CCHS and the Office for Research and Economic Development will develop a strong partnership to champion this research forward creating extensive opportunities for collaboration across campus, and specifically including the Alabama Life Research Institute as well as the College of Engineering and the College of Arts and Sciences.

Duties are specifically related to research activities and require an advanced level of knowledge in a field of science or learning, are predominantly intellectual and varied in character, and require consistent use of discretion and judgment. The post holder will assist within a research team and undertake research in drug delivery. The research in drug delivery lab seeks to provide customized solutions for different drugs, biological barriers and diseases. (J Am Chem Soc. 139: 7203-7216, 2017; ACS Appl Mater Interfaces. 9: 25668-25671, 2017, ACS Macro Lett. 6: 161-164, 2017, Chem. Comm. 55: 4761-4764, 2019, Am J Physiol Renal Physiol 317: F1255-F1264, 2019, ACS Appl. Bio Mater. 2: 3532-3539, 2019, Science Advances 6: eabb3900, 2020).

To take this research further, we are seeking competitive applicants with a strong background in synthetic polymer chemistry, in areas that include custom polymer synthesis, bioconjugation, and their application in drug delivery. Candidates with experience in, tools such as electron microscopy, spectroscopy, and chromatography will be given preference. Research publications and presentations in the related area.

Required Department Minimum Qualifications: PhD degree in chemical engineering, biomedical engineering, materials science, polymer chemistry, colloidal chemistry, physical chemistry, pharmaceutical chemistry or a similar field. Candidates must be willing to work independently as well as within a group setting. Candidates will be offered a competitive salary and benefits package.

Skills and Knowledge: Ability to multi-task and work cooperatively with others.

Preferred Qualifications: Computer literacy including data-bases, standard software platforms, spread sheets and statistical analysis. Candidates with experience in more than one model and surgical procedures is preferred.

Background Investigation Statement: Prior to hiring, the final candidate(s) must successfully pass a pre-employment background investigation and information obtained from social media and other internet sources. A prior conviction reported as a result of the background investigation DOES NOT automatically disqualify a candidate from consideration for this position. A candidate with a prior conviction or negative behavioral red flags will receive an individualized review of the prior conviction or negative behavioral red flags before a hiring decision is made.

Apply Here-

<https://secure.dc4.pageuppeople.com/apply/669/cw/applicationForm/initApplication.asp?lJobID=512212&sLanguage=en-us&sSourcePointer=cw&lJobSourceTypeID=796>