Post-Doctoral Research Associate
Old Dominion University

Job Title	Post-Doctoral Research Associate
Department	BIOELECTRONICS
Institution	Old Dominion University Norfolk, Virginia
Date Posted	Nov. 20, 2023
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Electrical and/or Electronics Bioengineering (all Bio-related fields)
Job Website	https://jobs.odu.edu/postings/19819
Apply By Email	

Job Description

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The Center for Bioelectronics at Old Dominion University is seeking an outstanding candidate for a post-doctoral research associate position with a focus on biosensor & bioelectronics development and organic materials integration. *This position is a non-permanent appointment, renewable each year up to a max of two years.*

The successful candidate will make key contributions to the area of molecular biology and mentoring students. The individual will be responsible for designing, documenting, and implementing molecular biology techniques pertaining to tissue engineering, “smart” biomaterials, cell-based assays, western blotting, qPCR, ELISA, and flow cytometry. In addition, the qualified individual will play a key role in

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evaluating aging and compatibility of novel materials for implantable and wearable applications in broad collaboration with other researchers in the lab. Finally, the candidate is expected to serve as a mentor for technicians and students. Applicants with hands-on-experience with 3D cell and tumor mouse models, primary cell isolation and characterization are especially encouraged to apply.

Position Type: FullTime

Type of Recruitment: General Public

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Minimum Qualifications - knowledge, skills, and abilities

1. Deep technical skills and knowledge of molecular biology and biochemisry.
2. Outstanding written and oral communication skills, as evidenced by a strong academic publication record and presentations at national conferences in a specific technical area.
3. Ability to work on multiple projects with established deliverables, milestones, timelines and requirements.
4. Ability to work and communicate effectively as part of a multi-disciplinary team of biologist, engineers, chemists, materials scientists, etc.
5. A solid background in principles of molecular biology and biochemistry processes.
6. Experience with 2D and 3D cell culture techniques.
7. Understand the basic processing, properties and mechanics of nanomaterials and soft materials.
8. Experience with technical writing in the form of manuscripts, reports, standard operating procedures, and other documentation related to research, process development and associated specifications.
9. Experience in working with Biosafety Level-2 (BSL-2), proficiency in standard cell- and molecular-biological techniques, and real-time imaging of cell and tissue samples.

Minimum Qualifications - Education or training

A Ph.D. in Biology, Biochemistry, Biomedical Engineering, Electrical Engineering, Materials/Polymer Science, Chemistry, Materials Engineering, or a related field is required.

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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