UNIVERSITY OF PUERTO RICO
RIO PIEDRAS CAMPUS
COLLEGE OF NATURAL SCIENCES

TITLE	POST DOC	**TYPE OF CONTRACT**	Special Appointment
BASIC SALARY	$3,500.00 / month	**TYPE OF WORK**	FULL TIME (37.5 hrs./week)
DATE OF PUBLICATION:	**October 14, 2024**		
APPLICATION PERIOD:	**October 31, 2024**		
Starting Date	November 15, 2024		
WHO QUALIFIES TO APPLY: ALL CANDIDATES THAT REUNITE ALL SPECIAL REQUISITES FOR THE POSITION			

JOB DESCRIPTION

Postdoc in develop and characterize novel cathode materials - The program *NSF ESPCoR Center for the Advancenment of Wearable Technologies (CAWT) Program* funded a postdoctoral position that is available in the laboratory of Dr. Brad Weiner in the Department of Chemistry of the University of Puerto Rico, Río Piedras Campus. The laboratory specializes in working with cathode materials for improved energy density, stability, and cycle life. The selected postdoc will characterize the new materials through a Scanning electron microscopy (SEM), X-ray diffraction (XRD), Raman spectroscopy, and Surface area analysis. The purpose of this research is evaluate the cathode materials and the device performance by electrochemical spectroscopy impedance (ESI) as the first approach.

SPECIAL REQUISITES

The candidate must have completed a Ph.D. degree within the last 5 years, preferably with a background on Chemical Industrial Engineer with at least 10 years of experience and with knowledge on genomics, nanomaterials and photocatalysis. Also we need that the candidate has experience handling Tubular Furnaces, Spectrofluorometer, UV-VIS spectrometer, X-Ray diffractometer, and a thermal cycler. The areas of expertise must be on chemical process, photocatalysis, electrochemistry, batteries and molecular biology.

IMPORTANT INFORMATION

To apply, please submit (i) a recommendation letter, (ii) a full CV that includes all requisites for the position, (iii) copies of all academic degrees *(diplomas and certifications). Inquiries about the position can be directed to brad.weiner@upr.edu

APPLICATIONS SUBMITED WITH INCOMPLETE INFORMATION WILL NOT BE CONSIDERED. CANDIDATES WITH A PH.D. DEGREE OF 5 YEARS OR MORE ARE NOT ELIGEBLE FOR THIS POSITION.

*The selected candidate must present official credentials from all his/her academic degrees. This job opportunity is financed with external funding and does not consider the expectation of a probation position.

All documents must be submitted to the following electronic address before or by October 20, 2024:

Attention to:	**Dr. Brad Weiner, PI, NSF EPSCoR CAWT Program**
Subject:	**Postdoc in develop and characterize novel cathode materials**
e-mail:	brad.weiner@upr.edu

APPROVED BY:

Dr. Brad Weiner
Principal Investigator
NSF EPSCoR CAWT Program

Dr. Carlos J. Corrada Bravo
Dean
Natural Sciences Faculty

Dra. Mirerza González Velez
Deanship for Academic Affairs