



CLARK ATLANTA UNIVERSITY Job Description

Position Title:	Postdoctoral Research Associate
Department:	Chemistry
Reports To:	Dr. Conrad Ingram

The following statements are intended to describe the general nature and level of work to be performed and are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified. All duties listed are essential functions for the position. It is understood that other related duties may be assigned.

Overview:

We are seeking a qualified Postdoctoral Research Associate who will focus on synthesizing, characterizing, and elucidating metal-oxide interface materials. The goal of this project is to explore the fundamental and technological discoveries in the area of metal-oxide interface materials. This project is funded by the National Science Foundation (NSF) through the (Funded Partnership for)Tj 0.024 Tw 307.017 0 Td (Research and Innovation in Materials and Manufacturing)

- x Independently design and synthesize layered interface materials.
- x Preparation, simulation, characterization, and exploitation of interface materials.
- x Work collaboratively with a diverse team of scientists from CAU and PARADIM on the execution of the project.
- x Participate in project planning and execution; as well as, write progress reports.
- x Present research results at conferences and publish scientific results in peer-reviewed journals in a timely manner.
- x Assist faculty with the training of students and proposal writing.
- x Work closely with graduate and undergraduate students on the execution of the project.

Knowledge, Skills and Abilities:

Basic Qualifications:

- x A Ph.D. completed in chemistry or materials science.
- x Ability to perform assigned duties independently.
- x Demonstrated experience in organics science, 2D layered materials synthesis, and

characterization techniques such as AFM, SEM, XRD, BET, NMR, GGMS, TGA, UV-Vis, etc.