
Job Title	Postdoctoral Fellow in Electrocatalysis
PVN ID	CC-2410-006520
Category	Postdoctoral
Location	The CITY COLLEGE of NEW YORK
Department	Chemical Engineering
Status	Full Time
Annual Salary	\$70,000.00 - \$75,000.00
Hour(s) a Week	35
Closing Date	Dec 23, 2024 (Or Until Filled)

General Description

The Biddinger Group at The City College of New York (CCNY) has a postdoc position for experimental research in electrochemical cycling of liquid organic hydrogen carriers (LOHCs) and CO₂ electroreduction. The LOHC studies will involve investigation of electrocatalysis, reaction parameter influences and mechanism and kinetics. The CO₂ electroreduction work will involve reaction durability investigations. Both projects will require characterization of catalysts and product analyses. These projects involve collaborations with both academic and industry partners.

Other Duties

In addition to the experimental work in the laboratory, the postdoc will be expected to communicate with the external research partners, present research in both oral and written form, mentor graduate and undergraduate students, and perform routine maintenance on instruments relevant to the research. Following safe laboratory practices are a must.

Qualifications

- A PhD in chemical engineering or related field obtained by the start of the appointment and no more than five years prior to the start of the appointment
- An experimentalist with attention to detail who is a team player
- Experience in electrocatalysis techniques
- Experience performing product analyses using analytic techniques such as GCMS, microGC, HPLC, and/or NMR
- Experience in materials characterization such as XPS, TEM, SEM and/or XRD

- Ability to clearly communicate research in oral and written form with a demonstrated record of conference presentations and peer reviewed journal publications
- Willingness to mentor and train research students
- A respect for following safety best practices in the laboratory

As part of the application, upload a cover letter, CV (including publication list with complete citations) and contact information for 3 references as a single pdf document.