



BROOKHAVEN NATIONAL LABORATORY

At Brookhaven National Laboratory, we all play a part in tackling the most important questions that face our nation and world today. With world-class facilities and experts in a variety of fields, we've created a legacy of seven Nobel Prize winning discoveries and countless breakthrough innovations. And we keep this legacy going every day by hiring those who are excited by innovation and pursue curiosity with passion.

Postdoctoral Research Associate Position: Picosecond Dynamics and Reactivity of Excess Charges in Condensed Media

The Chemistry Division of Brookhaven National Laboratory (BNL) is hiring a Postdoctoral Research Associate in the area of fundamental radiation chemistry.

The post-doctoral research associate will be responsible for using picosecond pulse radiolysis techniques to elucidate the nature and reactivity of pre-solvated excess charges (particularly holes, but also electrons) generated by radiolysis, primarily in organic media with extension to ionic liquids (where dynamical timescales can be conveniently manipulated). The associate will take a lead role in experiment planning, sample preparation, data collection and analysis, as well as participate in the refinement of the unique Optical-Fiber Single-Shot (OFSS) detection system used for these experiments.

This position requires a Ph.D. degree in chemistry or a related field. Work will primarily be performed in the BNL Chemistry Division's Laser-Electron Accelerator Facility (LEAF) for picosecond pulse radiolysis. Sample preparation will require experience with standard wet chemistry techniques and characterization under inert conditions. Experience with experimental, time-resolved studies of reaction kinetics and mechanisms is required. Experience with pulse radiolysis and/or time-resolved laser spectroscopy is preferred.

To apply online, go to <https://jobs.bnl.gov>, search for keyword "excess charges" and select Job ID 2347.

Brookhaven National Laboratory offers a collaborative culture, a continuous learning environment, and an excellent benefits package (e.g. health plans, vacation, etc.).

To learn more about these and other BNL opportunities, visit <https://jobs.bnl.gov>

Brookhaven National Laboratory is an equal opportunity employer committed to ensuring that all qualified applicants receive consideration for employment and will not be discriminated against on the basis of race, color, religion, sex, sexual orientation, gender identity, national origin, age, status as a veteran, disability or any other federal, state or local protected class.

Brookhaven National Laboratory takes affirmative action in support of its policy and to advance in employment individuals who are minorities, women, protected veterans, and individuals with disabilities. VEVRAA Federal Contractor