



Postdoctoral Research Associate Position in Molecular Biology & Protein Biochemistry in the Metalloprotein Laboratory at Georgia State University, Atlanta, USA

We invite outstanding doctoral graduates to apply for an NIH-sponsored post-doctoral position in molecular and cellular biology, with emphasis on protein biochemistry. Our laboratory studies transition metal-containing proteins and their medical relevance, using a combination of biochemical, bioinformatics, cell biology, structural and spectroscopic means. The postdoctorate will have an excellent opportunity to learn a wide variety of research techniques of protein chemistry and spectroscopy and to publish in prime chemistry and biochemistry journals. More information regarding our laboratory is available at <http://Feradical.gsu.edu>.

GSU is a major research university in the southeast region of the United States. The Department of Chemistry runs a strong research program with annual extramural funding exceeding six million dollars, over hundred graduate students (about 90 are pursuing Ph.D.), and more than thirty postdoctoral associates. Atlanta, where GSU is located, is a rising metropolis that is fun to live, with year-long comfortable weather and numerous international supermarkets scattered throughout neighborhoods in the city. As the main hub and headquarters of Delta Airlines, it is easy to get around to anywhere in the world, too.

Duties and Responsibilities: Molecular cloning, site-directed mutagenesis, and cell biology in cell signaling regulation-related studies and enzymes involving metabolic pathways. The postdoctorate will interact closely with current graduate students of the Liu laboratory while running independent research projects. The anticipated work includes but is not limited to the following: cloning an uncharacterized metalloproteins, cutting or adding a piece of nucleotide sequences of a protein from (or to) another protein, and creating a fusion protein from the genes of two independent proteins for subsequent functional and mechanistic studies. Research background in knock-out and knock-in techniques in cancer cell lines is also desirable. Our laboratory, however, performs no animal model studies.

Requirements: Experience with relevant molecular cloning is essential. Candidates must have a Ph.D. by the time of the employment and demonstrated experience.

Salary: The initial annual salary depends on the candidate's prior experience in the range of \$35,000 – \$50,000 plus fringe benefit. Raises will be determined every year depending on performance. Fringe benefit will be provided according to the institutional rules.

Application: Applicants should send their CV, a description of research experience, strengths and interest along with the names (with contact addresses) of three references to Professor Aimin Liu at Feradical@gsu.edu (Tel: 404-413-5532).