

Tenure Track Faculty Position: Center for Cancer Research and Therapeutic Development at Clark Atlanta University

Applicants are invited to apply for a full-time, 12-month, tenure-track faculty position at the Assistant Professor level at the Center for Cancer Research and Therapeutic Development (CCRTD) located at Clark Atlanta University (CAU). CCRTD is the only University-wide Center of Excellence dedicated to basic and translational research, training of a new generation of cancer scientists, and community outreach and education to eliminate prostate cancer health disparities. As a consequence of the targeted recruitment of faculty and staff over the past 18 years, CCRTD is currently one of the largest centers in the nation, with a unique and comprehensive program to combat prostate cancer. Current faculty have expertise in cancer biology and early drug development with a focus on prostate cancer progression, therapeutic target identification and validation, and lead discovery.

During the next phase of expansion, CCRTD is recruiting a Medicinal Chemist at the rank of Assistant Professor. The successful candidate should have an established, externally funded research program in medicinal chemistry, rational drug design, and/or chemical biology. The Medicinal Chemist will be expected to collaborate closely with CCRTD investigators, design and synthesize lead molecules, and optimize them into drug candidates for prostate cancer and other advanced cancers. The candidate may be expected to establish a medicinal chemistry course (graduate or undergraduate) within the School of Arts and Sciences, Clark Atlanta University. The successful candidate must have a Ph.D. in Medicinal Chemistry, Biochemistry, Chemical Biology, Pharmacology, or a related field with significant experience in the synthesis and characterization of small-molecule compounds targeting oncogenic signals and pathways implicated in cancer progression. Applicants from the industry with expertise in medicinal chemistry and drug discovery are strongly encouraged to apply.

The successful candidate will receive a competitive salary and generous start-up funds. Applications or nominations with curriculum vitae, a list of five references, and a statement of research interests should be submitted to Dr. Daqing Wu, Ph.D., Interim Director, Center for Cancer Research and Therapeutic Development, Clark Atlanta University, 223 James P. Brawley Drive, SW, Atlanta, GA 30314 or via to dwu@cau.edu. The review of applications will start on **September 1, 2022** until the position is filled.



CLARK ATLANTA UNIVERSITY

Job Description

Position Title:	Assistant Professor
Department:	Center for Cancer Research and Therapeutic Development (CCRTD)
Reports To:	Dr. Daqing Wu

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.

General Function (Description):

Perform research in medicinal chemistry, small-molecule compound design and synthesis, lead identification and optimization with a focus on cancer therapeutics. Collaborate with biologists at CCRTD and provide chemical design and synthesis services and play a significant role in defining and building the therapeutics side of the Cancer Center. Duties also include mentoring junior faculty/staff, training undergraduate and graduate students and provide community services at different levels to CCRTD, Clark Atlanta University and the community at-large.

Examples of Duties and Responsibilities:

- Plan and conduct scientific experiments in the lab to design and synthesize cancer drug candidates.
- Undertake data analysis to assess the results of experiments and the characteristics of the molecules studied.
- Ensure the structure and purity of compounds are correct.
- Work closely with other scientific colleagues across different disciplines.
- As appropriate use computational techniques to model the properties of new molecules.
- Explore how it may be possible to 'scale up' production of useful compounds that are created.
- Generate reports and deliver presentations of your work for colleagues, partners and clients as required.
- Give lectures when required.
- Attend and contribute to internal and external project meetings.
- Keep up to date with relevant scientific and technical developments.
- Attend training and scientific conferences as specified.
- Supervise junior faculty/staff, including students, lab techs etc.
- Hire, coach, mentor and train lab assistant(s) or others as required.
- Plan and manage your work and overall lab effectively and efficiently.
- Follow health and safety guidelines and safe working practices.

Knowledge, Skills and Abilities:

- Strong analytical capabilities and ability to interpret data for your experiments.
- Excellent written, oral communication, and report writing abilities
- Grant writing skills are a must.
- Experienced problem-solving skills to develop new and improved solutions.
- Computational skills to manage data and potentially create scientific models and simulations.
- Effective project management skills.

- History of experience working in an ethically and culturally diverse atmosphere.
- Expertise in hiring, building a team from scratch and managing conflict if needed.
- Skilled at creating a vision and overall strategic competencies.
- Financial acumen, including budget management/expertise a plus.

Minimum Hiring Standards:

Education	Ph.D. degree in Medicinal Chemistry, Biochemistry, Chemical Biology, Pharmacology or a doctorate in a relevant field.
Years of Experience	At least 5+ years of industry, or research and teaching experience working in medicinal chemistry, chemical biology and drug discovery.
Years of Management/Supervisor Experience	At least 2 years of managing independent research program or industry supervisory R&D experience.

Clark Atlanta University is an Equal Opportunity/Affirmative Action Employer