

Senior Research Associate - Genetics and Genome Sciences

Title: Senior Research Associate

Department: Genetics and Genome Sciences

School: Medicine

Location: BRB

Supervisor Name and Title: Berkley Gryder, Assistant Professor

Please email your CV/Resume to berkley.gryder@case.edu

POSITION OBJECTIVE

This position is a senior level position. The Senior Research Associate will collaborate with faculty, department staff, post-doctoral fellows, students and technicians in the performance and analysis of complex and advanced research studies in genetics and genome sciences.

The individual in this position will support the Supervisor / Principal Investigator in defining research, funding, staffing, and collaboration objectives, and will provide direct scientific and operational support to ensure successful and timely execution of team science in a collaborative workplace culture. The individual in this position will provide hands-on, direct experimental and computational research support in areas including, but not limited to: three-dimensional epigenomics, phase condensates in gene control, RNA biology and transcriptional mechanisms, therapeutic development for various cancers, and emerging technologies in biology/genomics/chemistry.

ESSENTIAL FUNCTIONS

1. Provide direct scientific supervision, training, mentorship, and coaching to staff and scholars; coordinate team and staff projects according to strengths of individual team members; regularly update Supervisor / PI; maintain a professional workplace environment that encourages innovation through collaboration (20%)
2. Co-author manuscripts; synthesize literature and generate data in preparation of manuscripts (20%)
3. Prepare grant proposals and presentations; actively seek out and pursue best-fit funding opportunities (20%)
4. Participate in a highly interactive work environment with direct, hands-on laboratory-based and computational work. (20%)
5. Devise and implement complex new protocols and tools in RNA biology, biochemistry, chromatin biology, topological gene regulatory architectures. (10%)
6. Coordinate team in conduct / analysis of research studies, documentation, best practices, and standard operating procedures to ensure usability and reproducibility. (10%)

NONESSENTIAL FUNCTIONS

1. Perform other duties as assigned.

CONTACTS

Department: Daily contact with department staff

University: Frequent contact with department administrators

External: Regular contact with outside collaborators.

Students: Frequent interaction with graduate students, bioinformaticians, and technicians.

SUPERVISORY RESPONSIBILITY

Supervise student employees and/or temporary employees and volunteers.

QUALIFICATIONS

PhD education in Molecular Biology and Biochemistry, Genetics, or other related fields.

5+ years of postdoctoral training related to transcription, RNA biology, chromatin biology, or human genetics is required.

5+ years of knowledge and experience in data science or bioinformatics

Must have multiple first author publications in peer reviewed journals.

Must have leadership experience.

REQUIRED SKILLS

1. Demonstrated excellent ability to conduct and analyze biological research data.
2. Advanced knowledge of epigenomics, analysis of next-generation sequence data, biology, biochemistry, genetics, and data science.
3. Excellent programming skills in R and Python.
4. Ability to perform cell cultures and manage genetic engineered materials.
5. Excellent interpersonal skills and demonstrated expertise in team-oriented environments.
6. Maintain strong organization skills; ability to multi-task, prioritize and meet deadlines.
7. Must demonstrate attention to detail and accuracy, and time management skills.
8. Effective management skills: ability to lead, train, work with, and elicit cooperation from team members and staff.
9. Work effectively, independently, and collaboratively within a team.
10. Must be highly motivated, responsible, dependable and a self-starter.
11. Ability to work with sensitive information and maintain confidentiality.
12. Effective problem-solving skills; must demonstrate excellent analytical skills, sound judgment and good decision-making.
13. Must demonstrate flexibility and ability to work under pressure; must be able and willing to work in a fast-paced, changing environment, and conform to shifting priorities, demands and timeline.
14. Willingness and ability to rely on and follow instructions and pre-established guidelines to perform the functions of the job.
15. Ability to operate laboratory equipment.
16. Must demonstrate willingness to learn new techniques, procedures, processes, and computer programs as needed.

WORKING CONDITIONS

Identify the working conditions and physical demands which relate to the essential functions of the position, such as working indoors/outdoors, working with exposures to hazards, including

recombinant viral vectors, etc. Include special considerations for the position, such as occasional travel or necessary overtime.

DIVERSITY STATEMENT

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply.