

## RNAi Post-Doctoral Research Fellow

### **Position Overview**

A postdoctoral research position employed by Terminix in collaboration with the USDA National Wildlife Research Center (NWRC). The position will be based in Fort Collins, CO. The position is under the toxicology research group at NWRC which is responsible for developing and testing novel toxicants to control vertebrate pest wildlife species to reduce human/wildlife conflict and protect agriculture. The NWRC Principle Investigator will coordinate and oversee research activities. Research will include laboratory studies on RNAi efficacy and timeline of effects, off-target effects, and possible immune activation. Further studies using animal models will be done to determine *in-vivo* efficacy.

### **Job Responsibilities**

- siRNA candidate screening, hit identification, and lead optimization
- Performs laboratory evaluations of interfering RNA including cellular and molecular biology methodologies, e.g., mammalian cell culture; *in vitro* screening; cell-based assays; PCR
- In-vivo candidate testing using laboratory animal models
- Research is complex and involves using novel research methods and new technologies. Creative thinking will be necessary to solve complex problems and develop new methods to answer questions.
- Publishes research findings in peer-reviewed literature.
- Summarizes research findings for internal documents and presentation.
- Mentors junior scientists.
- Maintains laboratory records and supplies including ordering.

### **Job Requirements**

- Ph.D. degree in a pertinent biology, pharmacology, toxicology, or physiology field
- Strong publication record
- Demonstrated excellence in independent laboratory research specifically in the development and testing of interfering RNA
- Experience using laboratory animals
- Demonstrated use of bioinformatics, cell culture, and other *in-vitro* methods as related to RNAi research
- Membership in relevant scientific societies

### **Physical Demands and Working Conditions**

The physical demands are representative of those that must be met by an employee to perform the essential function to this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Incumbent must be prepared to:

- Move up to 10 pounds occasionally, by lifting, carrying, pushing, pulling, or otherwise repositioning objects.
- Sitting for long periods of time while using office equipment such as computers, phones and etc.
- Fingering and Repetitive motions; such as movement of wrists, hands and fingers while picking, pinching and typing during your normal working environment.
- Express or exchange ideas with others through the use of spoken word, quickly, accurately, and at an easily audible volume, and receive detailed information through oral communication at usual speaking levels without correction, and/or make fine discriminations in the nature of sounds in the environment.

Incumbent is required to have:

- Close visual acuity to perform detail oriented activities at distances close to the eyes, as well as visual acuity to perform activities at or within arm's reach with skill, control, and accuracy, such as preparing and analyzing data, viewing computer screen and expansive reading.

Incumbent will be subject to:

- Inside working conditions: The change of building environment such as with or without air conditioning and heating.

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