Summary Description

The Center for Radiological Research has an immediate opening for a postdoctoral research scientist to study the health hazards and antimicrobial efficacy of ultraviolet light. This position will explore UV exposure effects using 2D and 3D cell culture models, animal models, and viral and bacterial culture and assay techniques. Knowledge and skills related to in vivo ocular examination using slit-lamp microscopy is highly desirable. Experience working with animal models is preferred, but a willingness to be trained in animal handling and husbandry techniques is acceptable. Experience with optical measurement techniques is also preferred but is not required.

The newly appointed postdoctoral research scientist will join a multidisciplinary team of scientists with backgrounds ranging from physics to biology. As part of the team, they will be expected to plan, troubleshoot, and perform experiments, collect and analyze data, write technical reports and journal articles, and present findings to other lab members and at relevant scientific meetings.

The primary work location will be at the Radiological Research Accelerator Facility at the Columbia University Nevis Laboratories in Irvington, NY. The Nevis campus is located in Westchester County and is accessible from NYC via the Metro North commuter railroad. Occasional work at the Columbia University Irving Medical Center campus may be required.

Minimum Degree Required

Ph.D or MD degree in chemistry, biology, physics or related science or equivalent combination of education, training, and experience.

Minimum Qualifications

Experience in the writing and publication of scientific manuscripts.

Preferred Qualifications

Experience with eye and/or skin pathology in mouse models.

Additional Information

This position works with:

Chemicals Cell culture
Ultraviolet Radiation

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