



**Department of Health and Human Services
National Institutes of Health
National Heart, Lung, and Blood Institute**

**Contractor
NHLBI**

The Division of Intramural Research (DIR) of the National Heart, Lung, and Blood Institute (NHLBI) is seeking to recruit an outstanding electron microscopist for a contractor position in the Electron Microscopy core.

Responsibilities Include:

- Contributing to facility service operations including communication with core facility clients; sample acquisition, sample processing and archiving; imaging data maintenance, etc.
- Conducting literature and database searches on topics relevant to the projects, methodology and instrumentations of the core
- Lab maintenance including consumables and reagents restocking, operations with standard laboratory equipment (and with advanced equipment after training) and assistance with organization of lab events including training, demo sessions, etc.
- Keeping up to date with technical and methodological developments in microscopy and biomedical sciences and with methodology and instrumentation of the lab
- Administrative support of laboratory operations including ordering, procurement, invoicing, maintenance of records and inventory databases and liaising with the manufacturers and vendors for purchases, repairs, upgrades and application support
- Complying with safety guidelines and requirements by following and ensuring strict safety procedures and safety checks (including toxic waste management)

The Electron Microscopy core places a strong emphasis on creating an environment where scientists and physician scientists can work together on disease-specific issues using the most appropriate approaches available. There are strong interactions with a wide range of independent research groups, and the position offers exceptional opportunities for interdisciplinary collaboration within and outside of the NIH.

The existing faculty in the DIR/NHLBI is an outstanding group of internationally recognized biomedical researchers covering a wide range of basic and clinical research topics (please see <https://www.nhlbi.nih.gov/research/intramural>) complemented by the other research institutes within the DIR (please see <http://www.nih.gov/science/#campus>).

The successful candidate should have a strong track record of the following:

- PhD Degree in the field of biomedical sciences, biotechnology, chemistry, pharmacology or related disciplines

- 2-4 years of relevant working experience in a laboratory environment
- Proficiency with basic laboratory techniques including state of the art EM methods is highly desirable:
 - Negative staining
 - Chemical fixation, high-pressure freezing of cells and multi-cellular specimens
 - Resin embedding
 - Ultramicrotomy (including serial sectioning)
 - 3D EM imaging (TEM tomography and FIB-SEM, strong knowledge and experience with ion milling, SEM and FIB is preferred)
 - Image analysis and 3D cellular modelling
 - Correlative light and electron microscopy (on section and 3D CLEM)
 - Possess computational skills in MS Office, Adobe Creative Suite applications, in work with online databases and image processing
 - Theoretical knowledge of biological sample preparation for microscopy and advanced microscopy techniques is an added advantage
 - Experience in digital imaging and image processing software is a plus
 - Good in time management and multi-tasking
 - Can initiate and complete tasks assigned independently
 - Can maintain and calibrate technical equipment and apply knowledge learnt to solve technical issues
 - Flexible and able to work in close collaboration with other team members

The salary is commensurate with research experience and accomplishments.

Appointees may be US citizens, resident aliens, or non-resident aliens with or eligible to obtain a valid employment authorized visa. Applications from women, minorities and persons with disabilities are strongly encouraged.

Applicants should send a curriculum vitae and a complete bibliography, a cover letter outlining major accomplishments, and contact details for three references.

Applications will be accepted via email only beginning Monday, June 07, 2021 – Friday, July 09, 2021 or until the position is filled. To apply, please email your CV and supporting documentation to Hilina Kibrom at hilina.kibrom@nih.gov



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