



Job Title: Light Microscopy Imaging Specialist

We are seeking a highly skilled imaging specialist for the Cell Biology and Imaging Analysis (CBIA) core facility at the Faculty of Medicine of University of Ottawa. Our facility provides access to advanced imaging techniques such as live, high- and super-resolution imaging as well as high-throughput microscopy. The CBIA core offers support from sample preparation to image analysis and is accessed by a broad community including cell biologists, neuroscientists, virologists, pathologists, and engineers. The primary responsibilities of the successful candidate will be to work with the facility manager to provide extensive training and advanced technical assistance to users of the facility as well as maintain the instrumentation and its associated infrastructure.

It is expected that the successful candidate will design, apply and interpret a variety of complex microscopy experiments from image acquisition to image analysis; will continue to improve and expand their expertise to develop more advanced imaging protocols across a variety of platforms (Zeiss, Leica, Quorum, and Deltavision); and will continue to expand their skills in image analysis.

Responsibilities:

- 1) User training (entry level to advanced)
- 2) Image analysis support (Imaris, Fiji, create macros with CellProfiler and Matlab,)
- 3) Routine and meticulous maintenance of instruments
- 4) Work with manager to monitor equipment access
- 5) Maintain and update CBIA web page
- 6) Participate in the development of outreach activities and core promotion

Qualifications:

1. Graduate level training (PhD preferred or equivalent experience) with solid background in light microscopy.
2. Extensive experience with epifluorescence and confocal microscopy.
3. Extensive experience with immunostaining.
4. High level experience with Image Analysis (Fiji, Imaris, Matlab)
5. Ability to learn new and demanding techniques.
6. Adaptable and detail-oriented
7. Coding in Python and Matlab will be an asset.

Salary will be commensurate with experience and will include access to the University of Ottawa benefit and pension plans*

To apply submit by e-mail a cover letter and CV highlighting your relevant experience to john.copeland@uottawa.ca.

Deadline: July 23rd, 2021

Informal inquiries can also be directed by e-mail to Dr. Copeland, director of the CBIA

*pursuant eligibility requirements