

## Application for Quantitative Fluorescence Microscopy 2024 (May 17-24)

**Terms:** M2M Themes and the Light Microscopy Facility will fund up to 2 trainees (Ph.D students or post-docs) to attend the Quantitative Fluorescence Microscopy course at MDI Biological Laboratory. Funded applicants will receive \$3,000 toward the cost of the course, with an expectation that the PI will provide the remaining \$500 cost toward tuition as well as any additional travel-related expenses. Please read [the course website](#) for details on expectations and material covered.

**Eligibility:** All trainees that work in faculty labs that are members of M2M may apply for funds. Priority will be given to potential trainees that can effectively discuss their plans for dissemination of knowledge gained from the course upon return to the broader M2M community.

**Purpose:** The funds for this mechanism are meant to create “super users” of the IALS Light Microscopy Facility. No prior use of the core is required, but we are particularly interested in funding trainees that can raise the overall knowledge of microscopy of the UMass community, broadly speaking.

**Criteria for awarding funds:** The overarching criterion for awarding funds will be based on how this training will elevate the research goals of the individual trainee AND how they plan to disseminate that training back to the broader UMass community. A creative and *clear* plan of how they will do that dissemination will be reviewed favorably. These plans should be concise but described in sufficient detail to provide a basis for judgment. Applications will be reviewed by M2M theme leadership and James Chambers, Ph.D. (Director of Microscopy and Biomedical Imaging). Once selections are made, awardees will coordinate with the Director for registration at the QFM website.

**Report on use of funds:** Attendees will be monitored by M2M leaders and Chambers to ensure that dissemination plans are carried out. If expectations are not met, then the PI will receive a bill for the tuition cost covered.

Decisions on awards will be made *on or before January 15*, so we recommend you submit your application ASAP.

**Name of Applicant**

**Home Department/Program**

**Email Address**

**Phone Number**

**PI Providing Endorsement \***

\* Applications will not be approved unless endorsed by a M2M faculty member as PIs need to understand the commitment of \$500 per student, described above.

## **Overview of your current knowledge and/or experience with light microscopy and your objectives and interest in this course**

Please be concise. Describe why you're interested in this training opportunity and how it relates to your research goals and the goals of your research group. Briefly describe steps you have already taken to gain the knowledge you indicate that you need to achieve your research goals.

## **How will you use this training to benefit the larger UMass microscopy community?**

We are particularly interested in funding trainees who can come back to UMass to share their experience with their peers. Be concise and describe your ideas on how to disseminate your training to other microscopy users on campus. Please feel free to reach out to Chambers to discuss your ideas as you fill out your application.

Please return the completed form and direct any questions to James Chambers  
[jjchambe@umass.edu](mailto:jjchambe@umass.edu)

**Remember to save this form before you send it!**