

**Application for use of the Microscopy and Imaging Core Facility at the Wilmer Eye Institute
For confocal, multiphoton, TEM, and ultramicrotome instrument user training, and TEM fee for service work**

Note: If you are going to request both TEM and confocal user training, we ask that you submit separate applications.

Please answer the following questions carefully and submit to mpease@jhmi.edu for committee review.

1. List the name of the individual(s) expected to perform the hands on work, and describe the level of prior experience and the instrumentation used (name/model, Tem or confocal, Zen or AIM software if Zeiss), if any.
2. Preferred email address, cell phone number, and ID Badge # for each applicant
3. Will they need full training (novice level) or orientation (some prior hands on experience)?
4. Please indicate the applicant(s)'s status: are you staff, post doc/fellow or graduate student?
5. How long will the individual(s) work at Wilmer after initial training:
6. Who is the principle investigator?
7. What is the PI's affiliation (Wilmer faculty, TTEC, other JHU department, etc.)?
8. Is the project NIH or commercially funded? Please list relevant NIH grants.
9. Is the project a "one shot" deal, such as collecting images for a manuscript or gathering pilot data to determine feasibility, or will there be projects on a recurrent basis?
10. What is the preference to use: to train for independent use or to use the fee-for-service option?

Describe the project and goals in a paragraph summary, more detail is better:

COMPLETE THE 2 TABLES BELOW SO WE CAN BETTER IDENTIFY YOUR NEEDS TO SERVE YOU.

Please indicate Yes or No	CONFOCAL Methods/training needs
	Multiple dyes and/or labels
	Creating Z stacks
	Creating tiled images with motorized stage
	ADVANCED -- Live cell work with incubator chamber
	ADVANCED -- Time lapse imaging with live cells, possibly overnight?
	ADVANCED -- Objective inverter use required
	ADVANCED -- Fluorescence Recovery After Photobleaching (FRAP)
	ADVANCED -- 2 Photon (2P) imaging
	ADVANCED -- 2P Second Harmonic Imaging
	FEE FOR SERVICE:
	User assisted operation of the LSM, usually for one time projects such as images for a manuscript

Please indicate Yes or No	TEM Methods/training needs
	Imaging of routine biological specimens
	Imaging of non-biological materials
	photography samples
	Montaging
	Training in epoxy tissue embedding
	Training in thick sectioning, staining and evaluation of slides
	Training in thin sectioning and staining for TEM observation
	FEE FOR SERVICE:
	Sample embedding
	Thick and/or thin sectioning
	User assisted operation of the TEM

Please save as with your name in the title and submit to mpease@jhmi.edu

Thank you!