**User Application: Microscopy at the Wilmer Eye Institute (MWEI)**

***For confocal, multiphoton, TEM, ultramicrotome user training & TEM fee for service project requests***

***🡪 Only 1 applicant per form and only 1 type of request per form🡨***

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

1. Which type of equipment training or service work are you requesting?
2. Your name as it appears on your JHMI ID:
3. How you prefer to be addressed if different from your ID name (ie if you use an alias for email or have a nickname):
4. JHED ID and Badge # (XXXXX-X):
5. JHMI email address and cell phone number:
6. Describe any related previous relevant imaging experience you may have (epifluorescence microscopes, confocals, 2 Photon, TEM, etc) and the instruments used:
7. Do you describe yourself as a novice, moderately experienced, or highly experienced with the instrumentation requested?
8. What is your status: faculty, staff, post doc/fellow or graduate student?
9. How long will you work at Wilmer after initial training:
10. PI name and their department affiliation (example: Wilmer, TTEC, other JHU departments)?
11. Is the project funded by the NIH, NSF, DOD, commercial agreement, Gift funds, etc? Please list relevant grants or sources.
12. TEM requests: do you wish 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 (The form continues onto the second page)***

|  |  |
| --- | --- |
| **Yes or No** | **CONFOCAL****Methods/training needs** |
|  | Multiple dyes and/or labels |
|  | Z stacking and/or tiling |
|  | ADVANCED -- Live cell work with incubation chamber  |
|  | ADVANCED -- Time lapse imaging with live cells, possibly overnight? |
|  | ADVANCED -- Fluorescence Recovery After Photobleaching (FRAP) |
|  | ADVANCED -- 2 Photon (2P) imaging or Second Harmonic Imaging (SHG) |
|  |  |
|  | **FEE FOR SERVICE:** |
|  | User assisted operation of the LSM, usually for one time projects such as images for a manuscript |

|  |  |
| --- | --- |
| **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 application title and submit to** **mpease@jhmi.edu**

Thank you!