**Zeiss Epifluorescence Microscope User Interest Form**

The user interest form will provide Dr. Pasulka with valuable information about your project. Please complete this user form with your Faculty Advisor. We will use this information to confirm our microscope has the appropriate filters and holders to complete your project as well as provide you with the appropriate training for your application.

**Today’s date**: [Click to select a date.]

**Name**: [Your Name]

**Email Address**: [Your email address and phone number]

**Department**:

**Faculty Advisor**:

## EPIFLUORESCENCE MICROSCOPY EXPERIENCE

Have you used an epifluorescence microscope before?

|  |  |  |
| --- | --- | --- |
| No | Yes | If yes, describe your experience: [Explanation] |

What is your comfort level with an epifluorescence microscope? (all new users will be required to go through training, but this will help us better understand the appropriate level of training).

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| --- |
| I’ve used them once or twice in class, so I understand the basics  I’ve used them fairly often, but would like additional training  I’ve used them a lot and feel comfortable working on my own  I am an expert and feel I could teach others  n/a |

## PROject Details

**Please answer the following questions related to your project**

What is the goal of your study? (e.g., identification of species using fluorescent DNA probes, visualization of spatial relationships of bacteria in a biofilm, incorporation of DNA label to be used for quantitative fluorescence analysis). Be specific.

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Why is epifluorescence microscopy useful for your study?

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What samples are you working with? Be specific.

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What is the approximate size of the organisms or tissue you are imaging? Include length and width of organism or tissue of interest as well as depth (z), if relevant.

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|  |

What surface will your sample be on for imaging? (e.g., slides, plates, not sure, need help deciding)

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Are you samples in liquid or fixed onto a surface?

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|  |

Which dyes/fluorophores did you use in your study? (Please be specific and provide excitation and emissions wavelengths of your fluorophores).

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|  |

What magnification do you anticipate using? If not known, please state.

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Do you have an example image with a scale bar (either from your work or the literature) that you can share to demonstrate what you’d like to image?

|  |  |  |
| --- | --- | --- |
| No | Yes |  |

Do you think you will need z-stacking?

|  |  |  |
| --- | --- | --- |
| No | Yes | Explain: [Explanation] |

Do you think you will need the tiling module?

|  |  |  |
| --- | --- | --- |
| No | Yes | Explain: [Explanation] |

## Other Comments

Please include any comments you’d like to share.

[Comments or suggestions]