

Day, Month, Year

John Doe, Ph.D.
Title, Department
Address

Dear John:

I am pleased to write this letter in support of your grant application, entitled "...". Currently in the Microscopy in Medicine Core, we have seven imaging systems with the following capabilities:

- (1) **Zeiss LSM 800 Airyscan** confocal microscope for analyses of fluorescently labeled components within the 3-D architecture of cells/tissues, equipped with highly sensitive GaAsP detectors and the Airyscan detector for superresolution, a scanning stage, and software for colocalization, definite focus, and stitching of tiled images.
- (2) **Leica TCS-SP5 II** confocal microscope with tandem scanners (conventional and resonant) and HyD detectors equipped with superZ galvo stage and adaptive focus control and a Ludin Cube2 environmental chamber for live cell imaging.
- (3) **Zeiss Axioskop** microscope equipped for widefield fluorescence/brightfield/polarizing light (with rotating stage) imaging of fixed tissue/cells acquired with an AxioCam CCD camera controlled by AxioVision 4.6 software and a Dell Precision 670 Workstation, Intel Xeon Processor 2.8 GHz.
- (4) **Zeiss Axioskop** microscope equipped for widefield fluorescence/brightfield imaging of fixed tissue/cells acquired with an RT Slider Spot CCD camera controlled by Image-Pro and a Dell OptiPlex GX620, Pentium D 820 dual core 2.8 GHz processor.
- (5) **Olympus IX71** microscope equipped for widefield fluorescence/brightfield/phase contrast imaging of fixed cells/tissues or cultured cells acquired with an Olympus DP71 digital camera and a Dell Optiplex GX620 MT, Pentium D 820 dual core 2.8 GHz.
- (6) **Hamamatsu NanoZoomer-SQ** for whole slide scanning of large tissue sections in brightfield mode.
- (7) **Keyence All-in-One BZ-X800** microscope equipped for brightfield, widefield fluorescence and phase-contrast imaging and for imaging of tiled fluorescent tissue sections.

In addition, we have a histology facility with two cryostats for frozen tissue sectioning, two rotary microtomes for paraffin sectioning, a tissue processor and a cold table for paraffin embedding. In addition, we have several computer workstations with the following image processing and analyses software: Bitplane Imaris Suite 6.3.1, Media Cybernetics Image-Pro Plus 6.2 and AutoDeblur for image processing and analysis; Adobe Photoshop CS3 Extended, Adobe Photoshop Elements 6.0, Adobe Illustrator and Adobe Acrobat 8 Professional for manuscript preparation.

You will have full access to all microscopes, the histology core and the image processing/analyses software. We will be happy to work with you and your laboratory to optimize the protocols for the experiments you have proposed. I look forward working with you on this project.

Sincerely,

Alejandra Valdivia-Cortes, Ph.D.
Director, Microscopy in Medicine (MiM) Core