The mission of the Light Microscopy Core Facility (LMCF) is to provide labs from the University of Colorado and the surrounding community with access to advanced imaging research instrumentation. The LMCF maintains these instruments in optimal working condition and provides extensive training and advice in their use.

Applications include imaging and analysis of: live or fixed biological samples, fluorescently labelled samples, high spatial and temporal resolution, super-resolution spatial information, histological samples, fluorescence kinetics (FRAP, FRET, photoactivation), low-throughput screening, molecular pharmacology, cellular dynamics and cell population heterogeneity.
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Capt. America – Leica DMRXA
upright widefield

Loki – Nikon E600 upright
widefield

Iron Man – Zeiss 510 laser
scanning confocal

Black Widow – Nikon Ti-E spinning disk confocal
and widefield

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Thor – Nikon Ti-E N-SIM structured illumination super-resolution and A1 laser scanning confocal

WIDEFIELD
A1 CONFOCAL
SIM

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