

# Alignment of Microscopy

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1. Align the lights, adjust the knob in the light house to position the light in the center.
2. Align the field.
  - switch eyepiece to O.
  - close down the field aperture.
  - Adjust the knobs to center the field in the center and enlarge it to see whether it can fulfill the field.
3. Align the phase ring.
  - switch the eyepiece to Boucher, adjust the knob in the eyepiece until see a sharp and clear image.
  - use hand to manually adjust the phase ring until it is centered.
  - Switch the eyepiece to O again, adjust the condenser height.
  - Focus

# Taking Images with time lapse video function:

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1. Turn on microscopy, slide the filter to direct the light to a correct camera, turn on controllers, monitor
2. In the mac computer, go to scion image->special->load macros->time lapse video.txt
3. Special->start capture->select regions of interest (alt-A for the whole image)->special->save->select numbers of frames based on calculation->select the time intervals->save