## OVERVIEW OF THE CALIBRATION PROCESS

A. Add and tighten all the objectives.

B. Verify the camera to stage alignment.

C. Calibrate lenses with calibration grids.

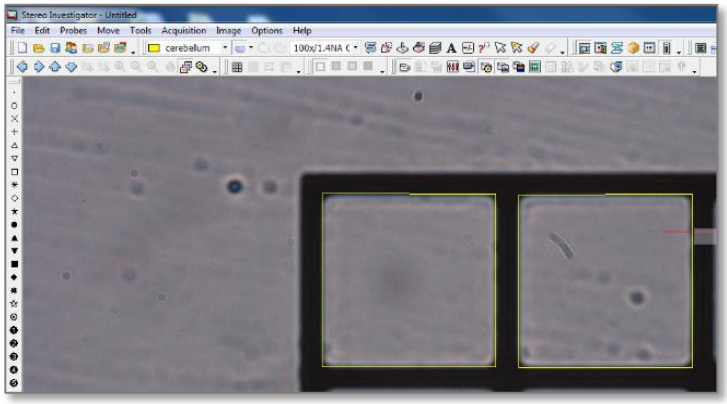
D. Perform parcentric/parfocal calibration.

E. Check the accuracy of the calibration.

In this video tutorial, we demonstrate the process for 100x, 63x, 40x, 20x, 10x, and 5x lenses:

## CHECKING THE CALIBRATION ACCURACY

1. Move the 100x (highest power) objective in position and select the corresponding software lens.




2. Trace the contours of two adjacent cells in the top left corner of the grid.

3. Switch to the next lower power objective (63x here) and select the corresponding software lens.

4. Verify that the contours remain aligned with the grid cells, and that the grid is automatically brought into focus.

    - If the objects are not automatically brought into focus when switching between objectives, perform the parfocal calibration again.
    - If you can't obtain a suitable parcentric or parfocal calibration, consult the Troubleshooting section.

5. Repeat steps **3-4** for all the remaining objectives, from highest power to lowest power (40x, 20x, 10x, and 5x).