3.6. SIM/STORM Image Registration

1. Run BIOP SIM STORM Tools ActionBar

2. Go to "Warp SIM/STORM"

3. Under Working Parameters, set Filter radius and noise tolerance for SIM / STORM bead detection

4. In this protocol,

   - Gaussian Filter radius = 3px

   - Maxima Noise Tolerance = 50

   - Points Distance Threshold = 5

5. Prepare two folders called "SIM" and "STORM" that each contain all the bead images

6. Click "Create Registration Points" and provide the parent folder location.

7. Save the ROI set from the ROI Manager

8. Click "More" > Save and save the ZIP File somewhere. This file can be reused

9. Register a reconstructed SIM and STORM Image

10. Open both images and the ROI set saved in the step above

11. Click on Register SIM-STORM

12. Make sure that the right images are selected

13. Click OK, the result will be computed, overlaid and prompted for saving