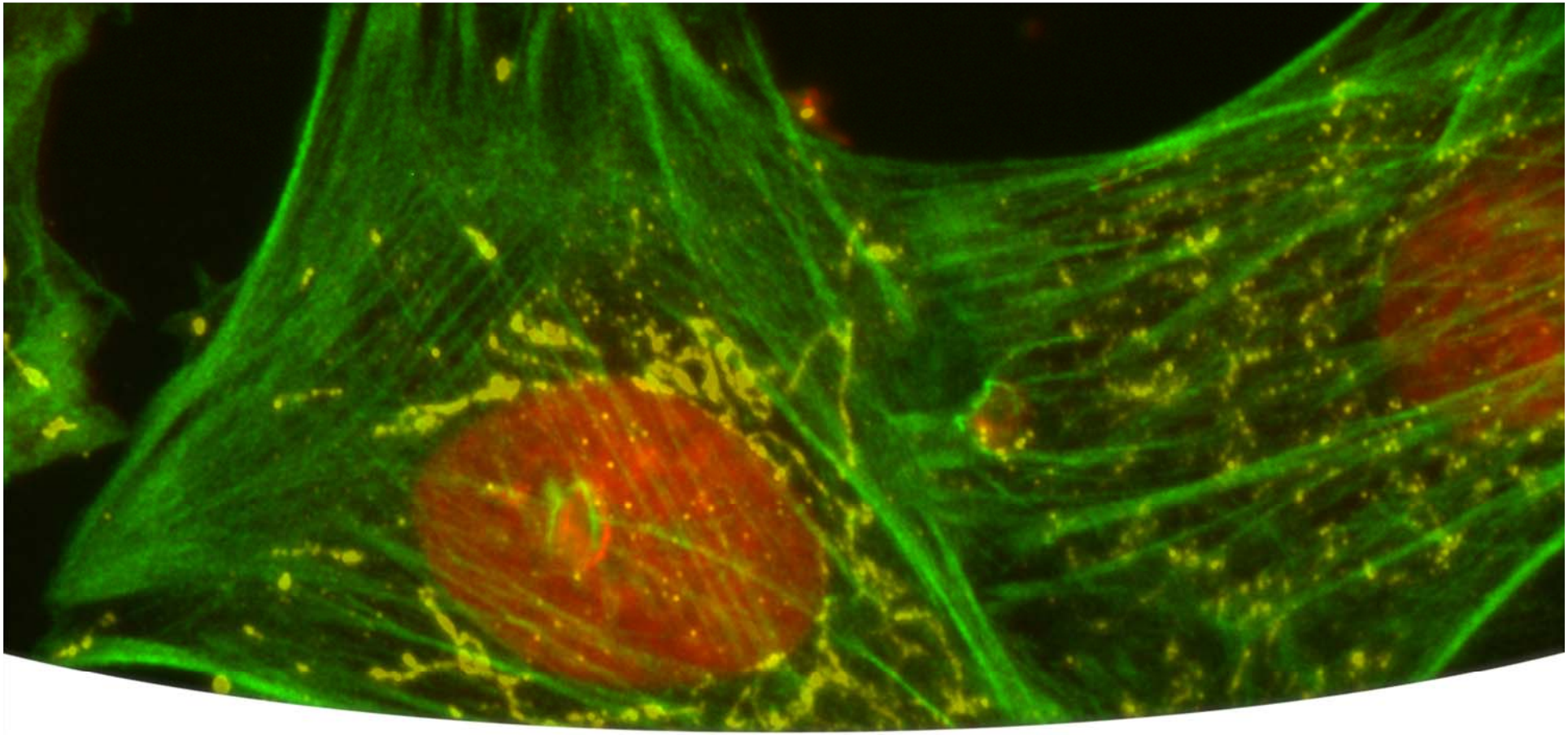

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Molecular Devices

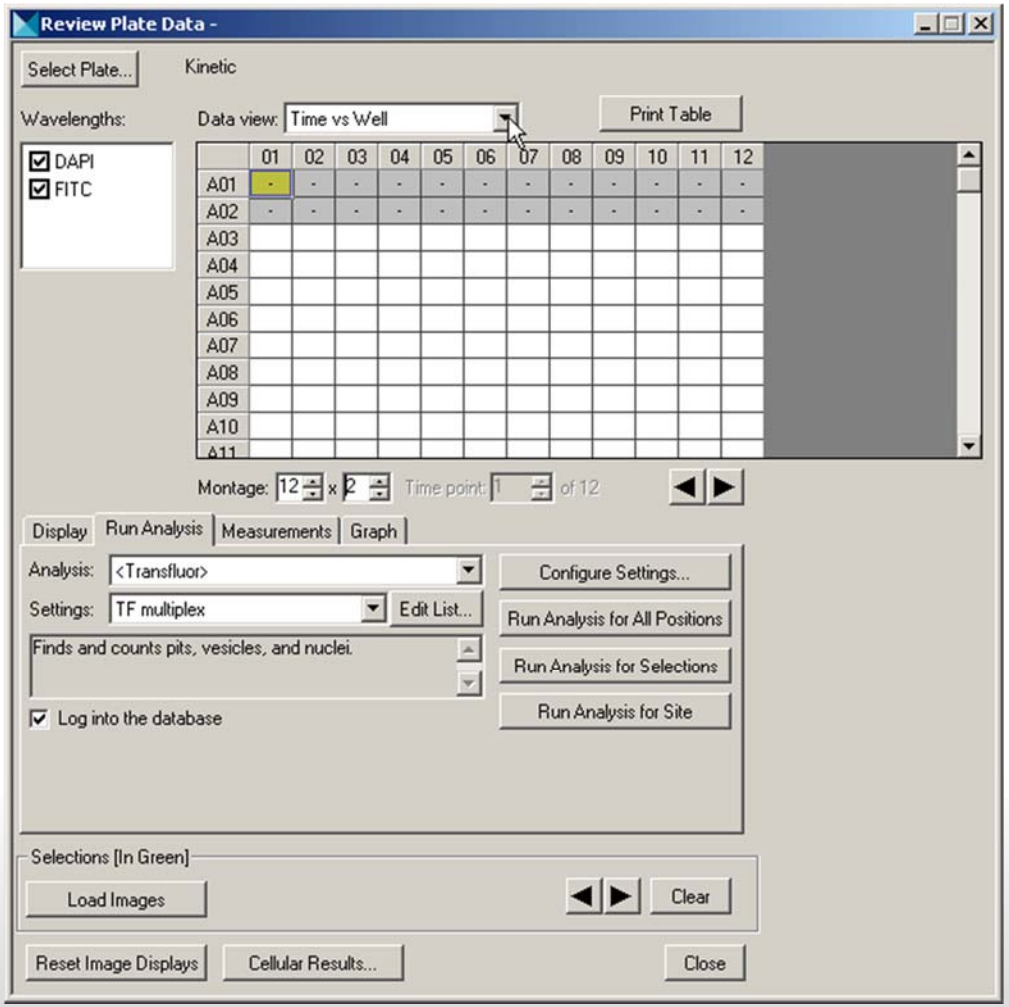
Multi Dimensional Motion Analysis

Paula K Gedraitis, Ph.D.

April 29, 2013

View time lapse / kinetic data in Review Plate Data

- Select the plate of interest
- Choose the “Time vs Well” data view
- The montage will show thumbnails of each time point
- To create a stack (for viewing as a movie), right-click on ONE WELL ONLY to select it.
- Click on “Load Images” to create the stacks.
- You may now view each timepoint as a plane in the stack.
- The stack can now be used for analysis with MDMA



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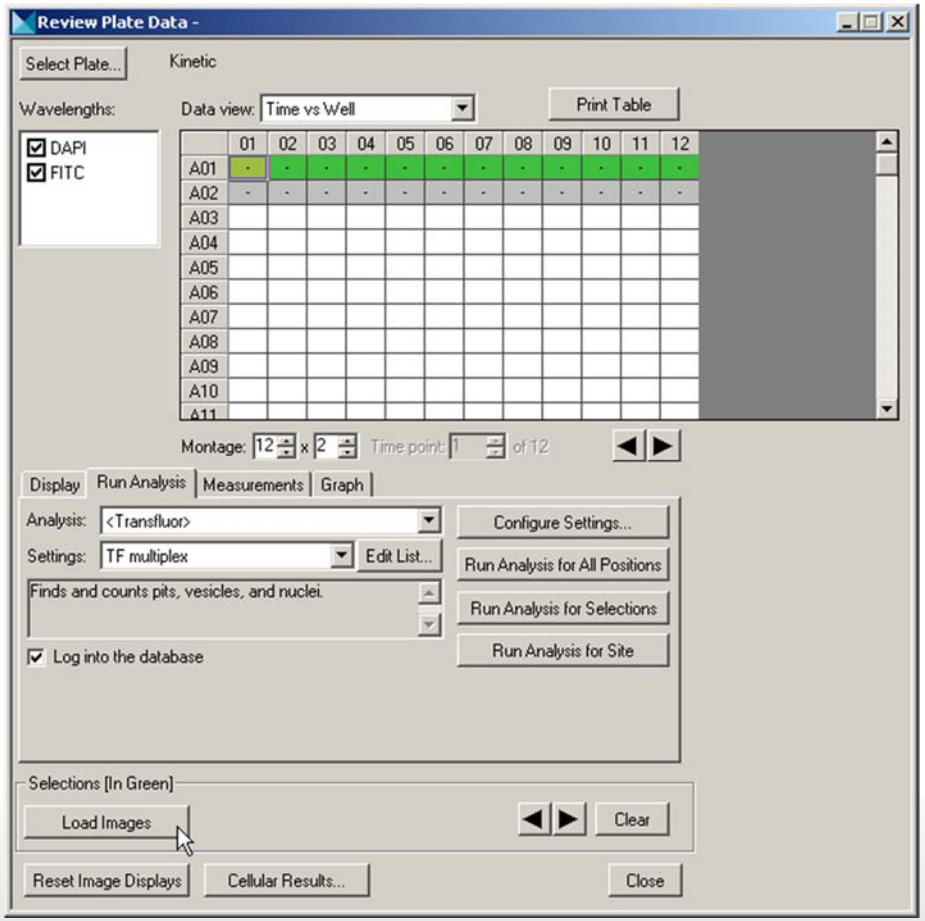

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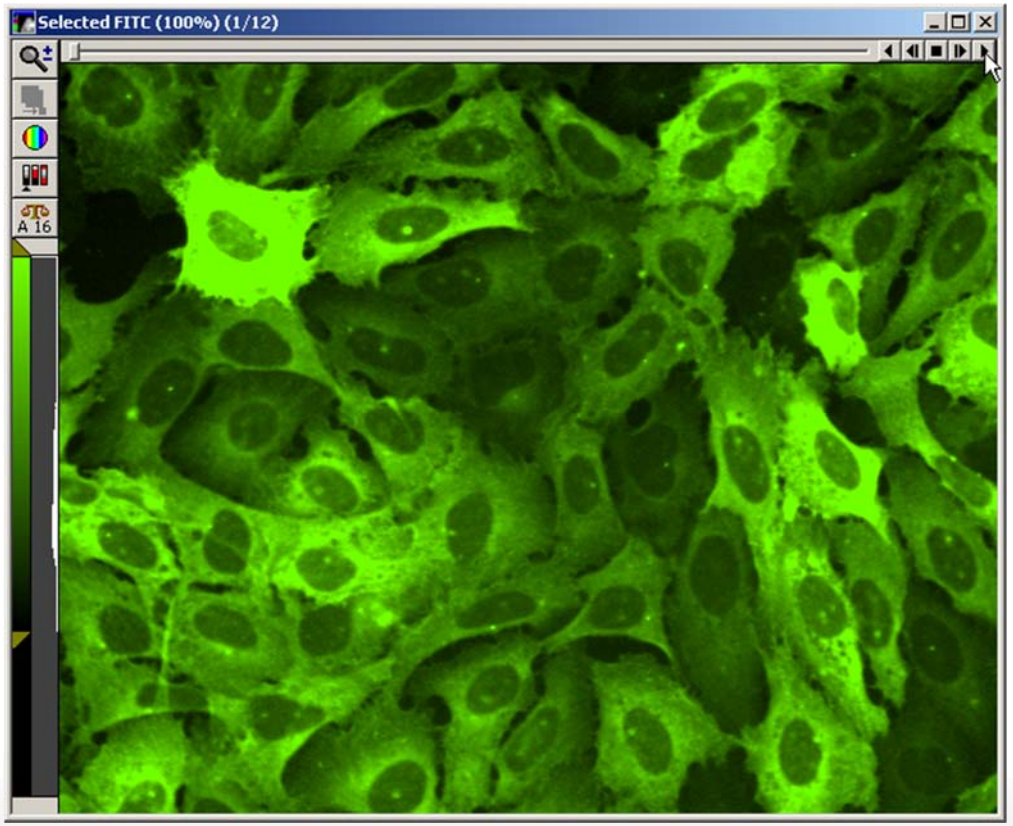
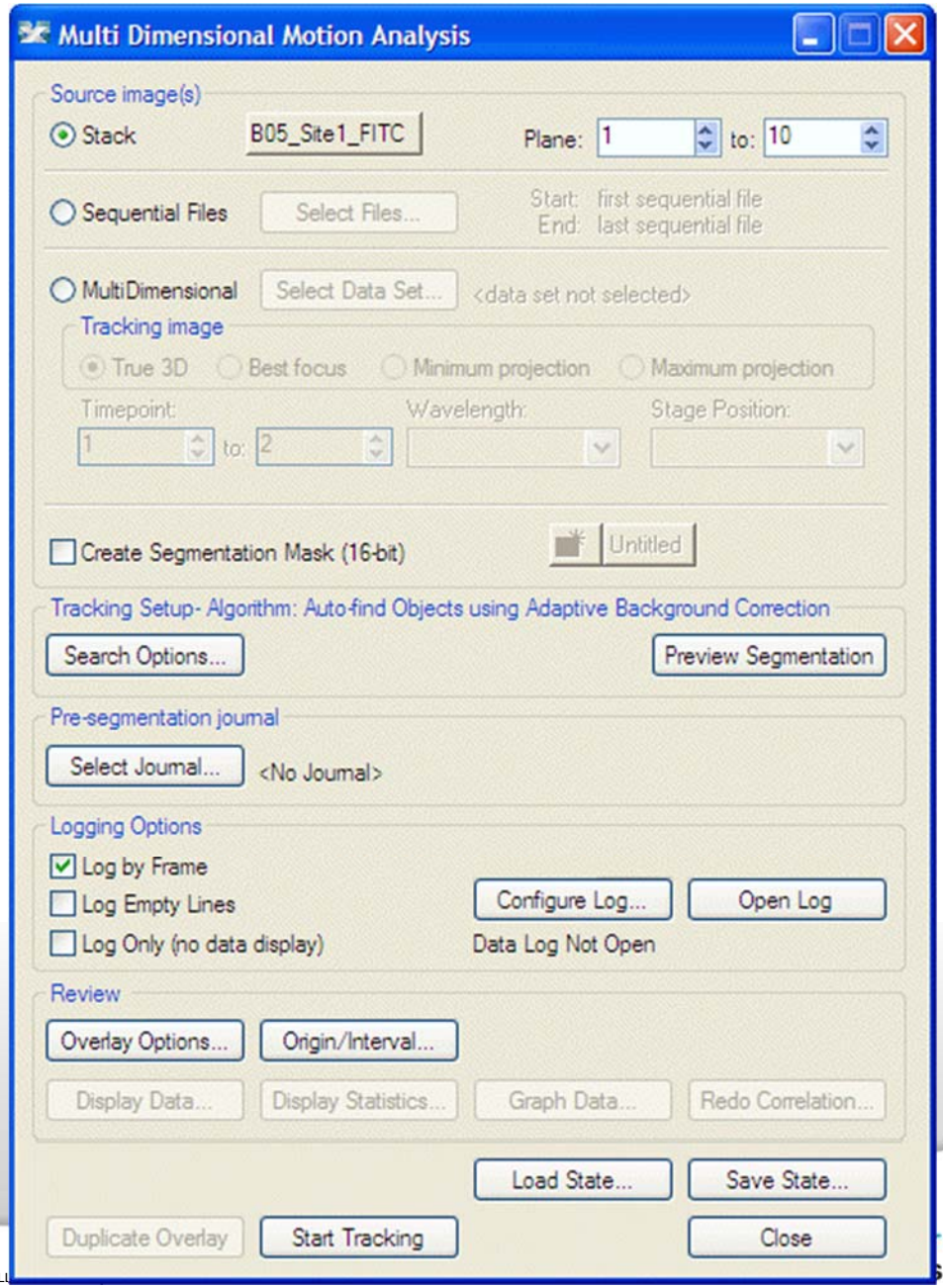
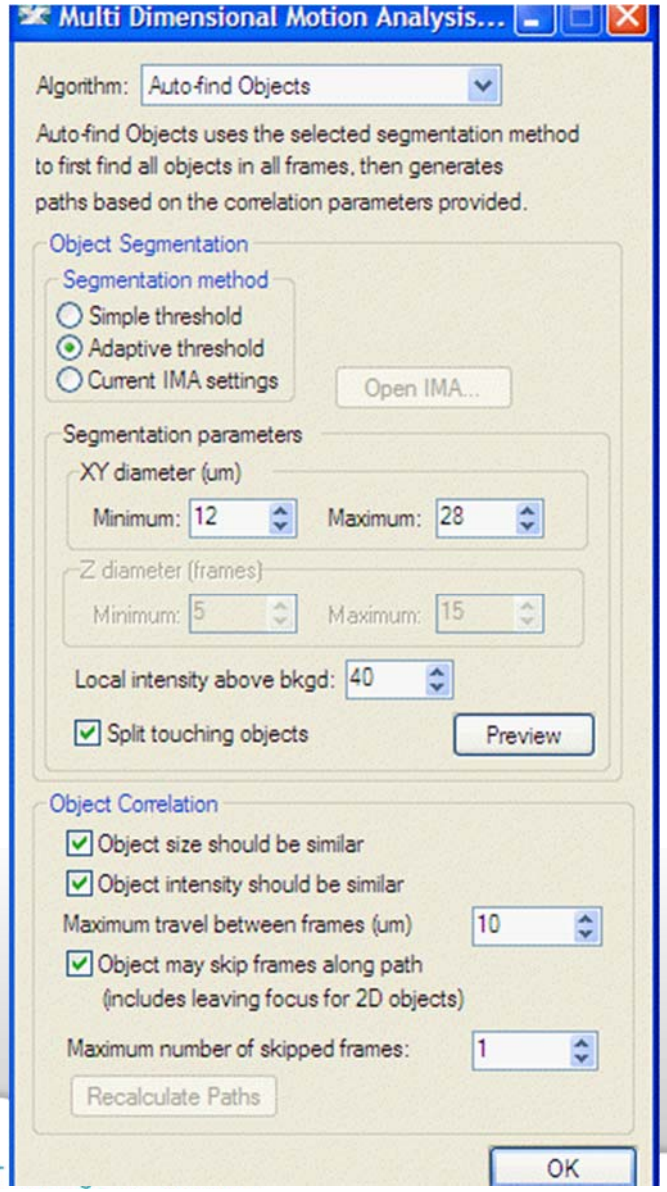


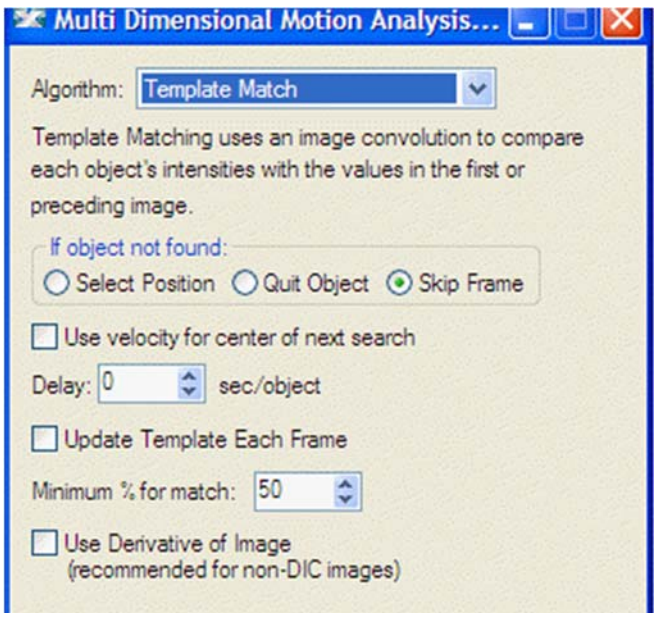
Multi Dimensional Motion Analysis

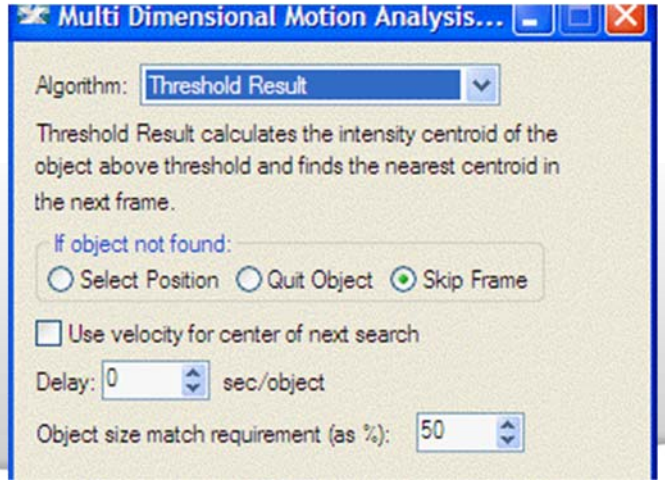
- Use for analyzing motion of multiple objects over time
- Get data per cell per time point as well as summary data over entire time course



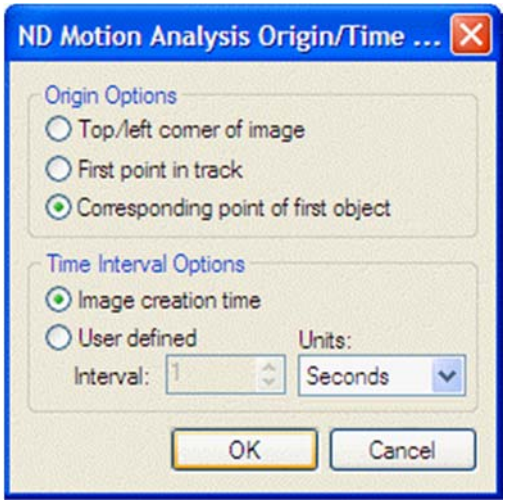
MDMA – Finding objects

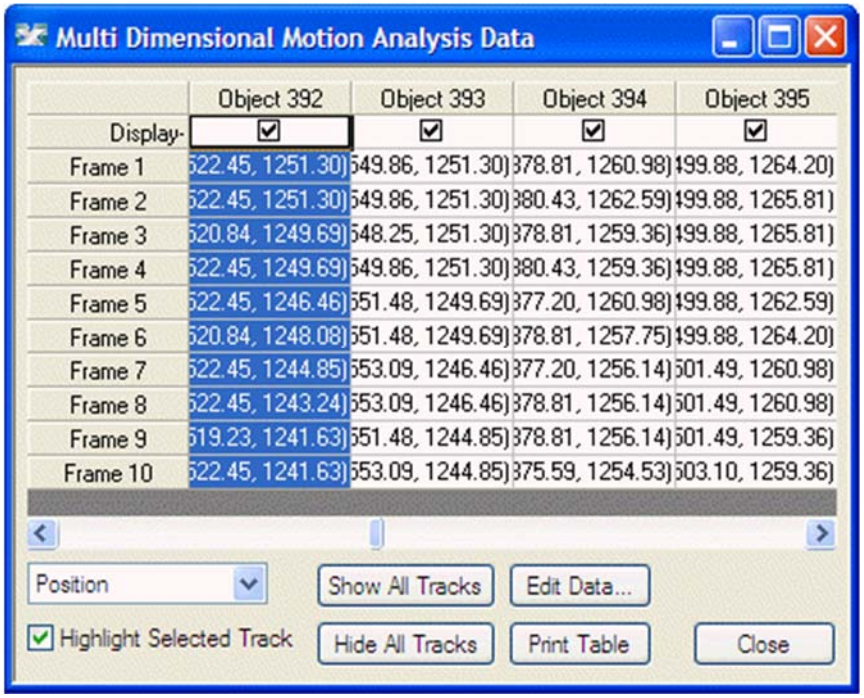


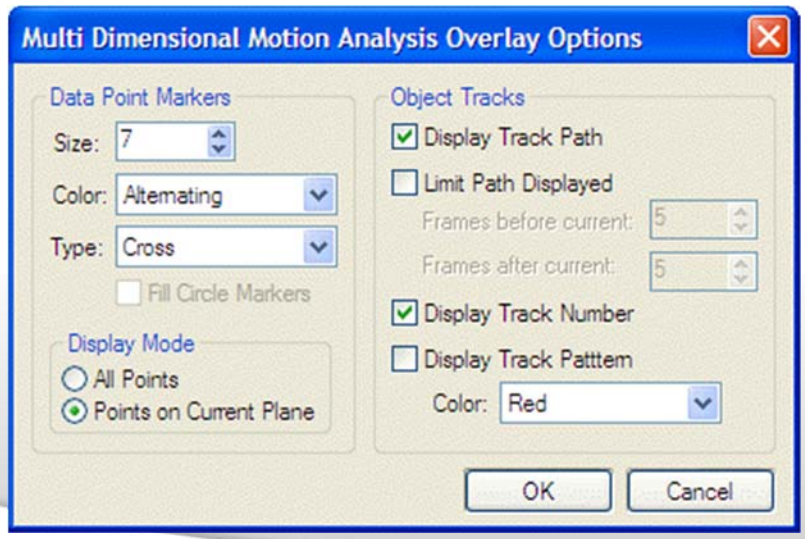




MDMA – Display and Other Options





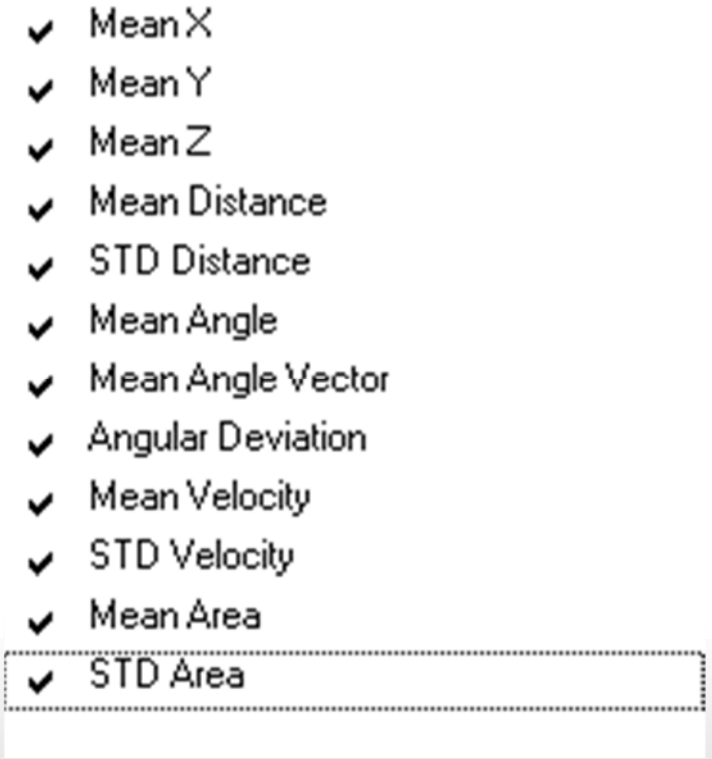


Molecular Devices

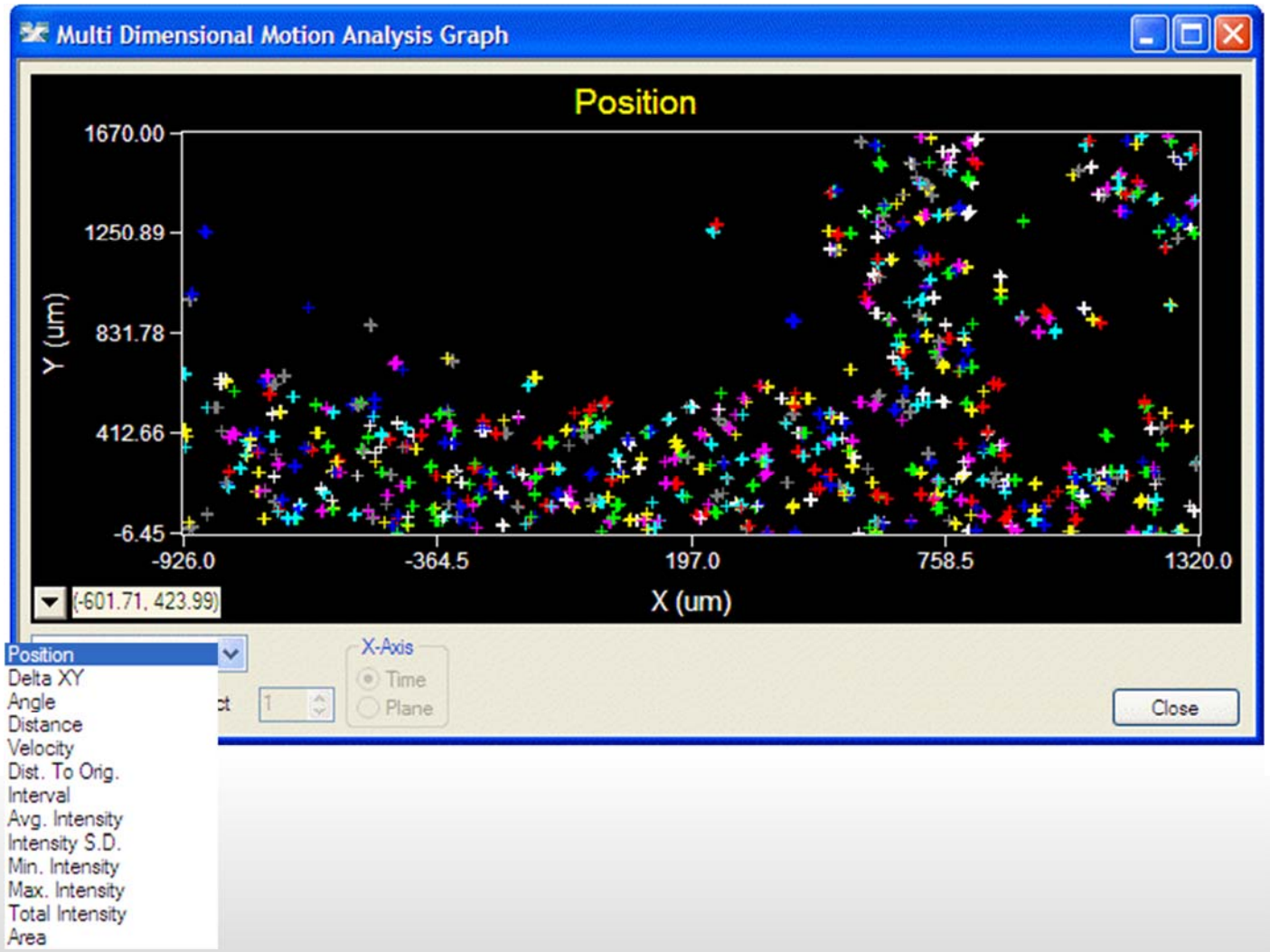
MDMA – Measurements

- Cell-by-cell, per time point

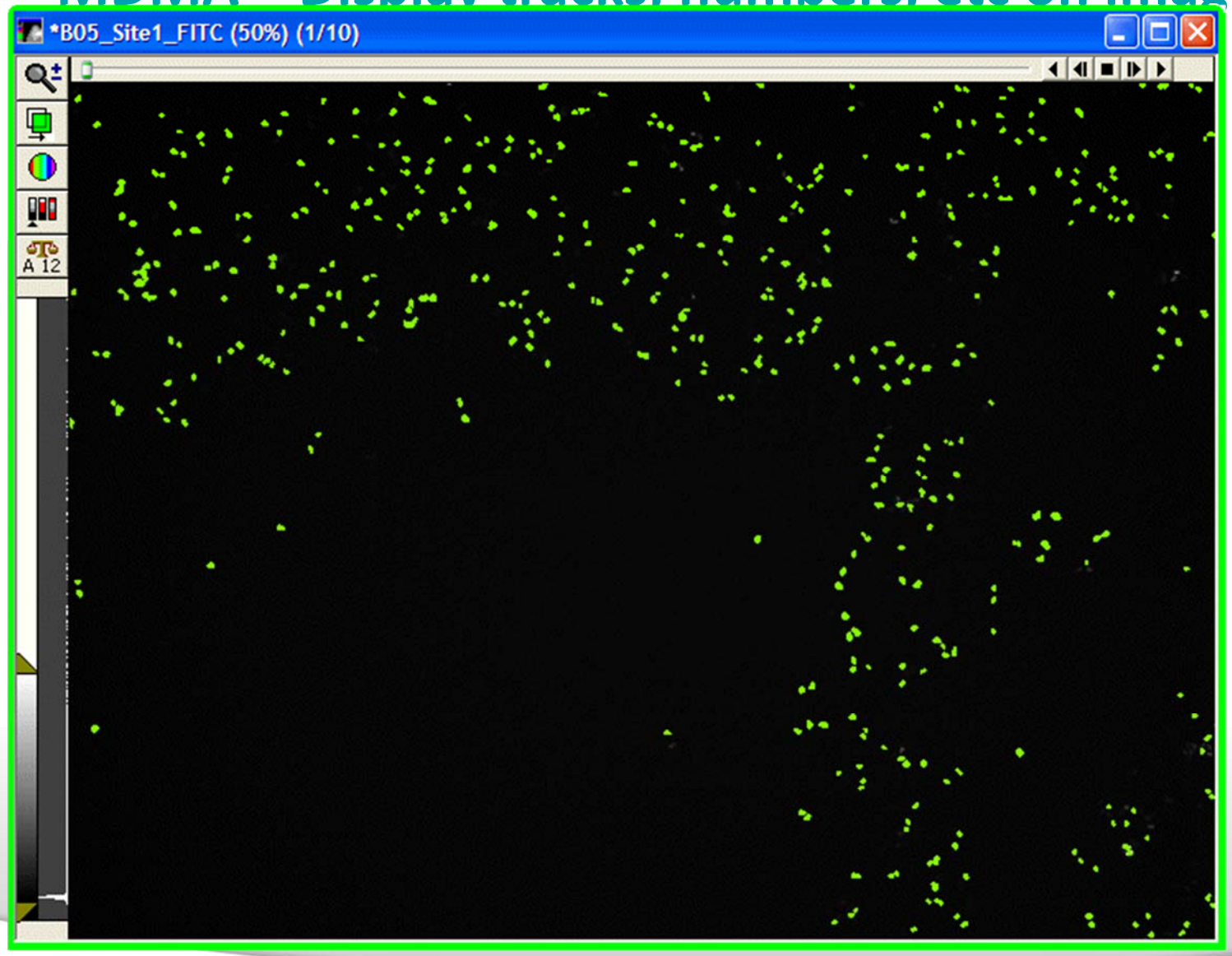
- Cell-by-cell, statistics over time course



MDMA –Graphing



MDMA – Display tracks, numbers, etc on image



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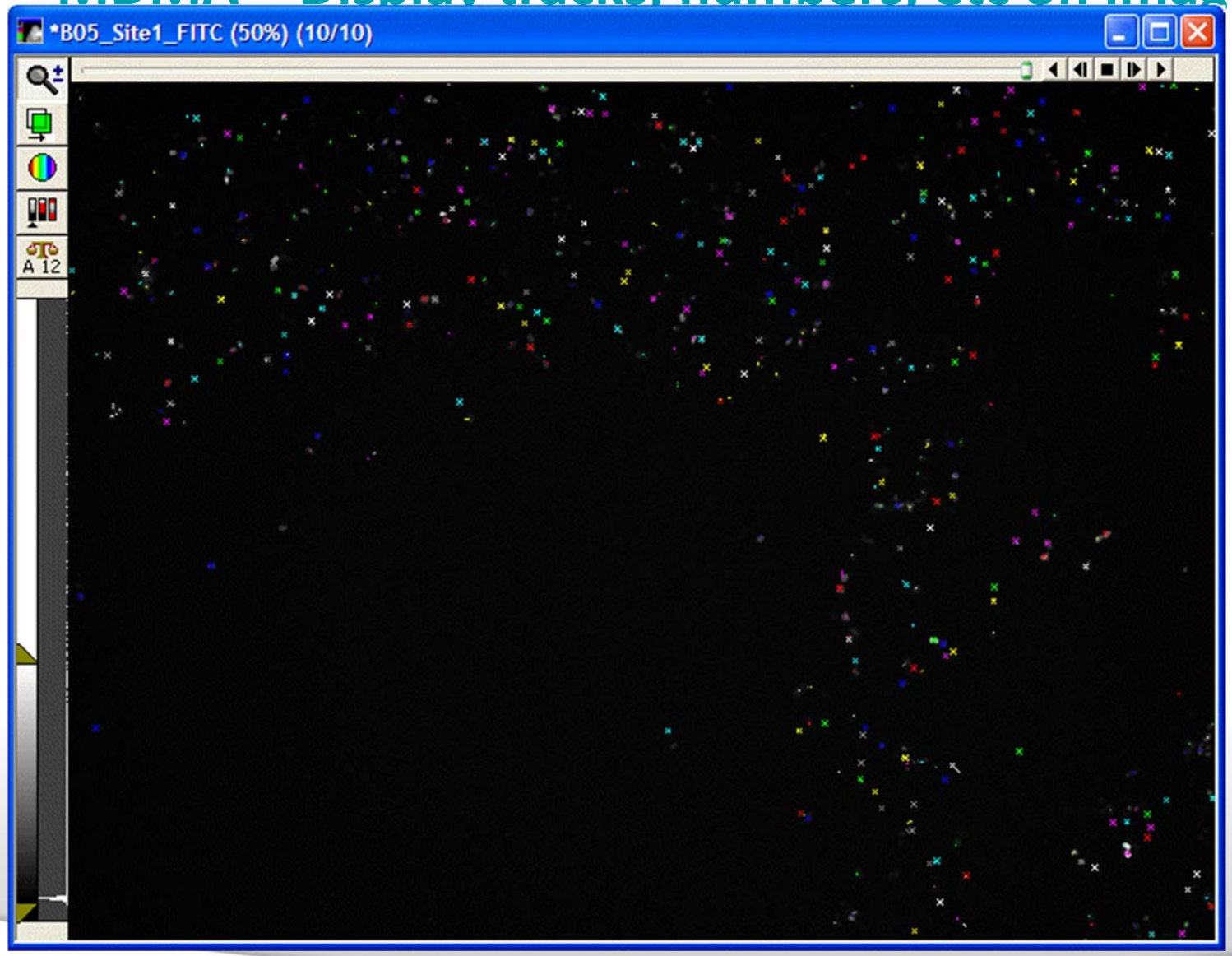

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