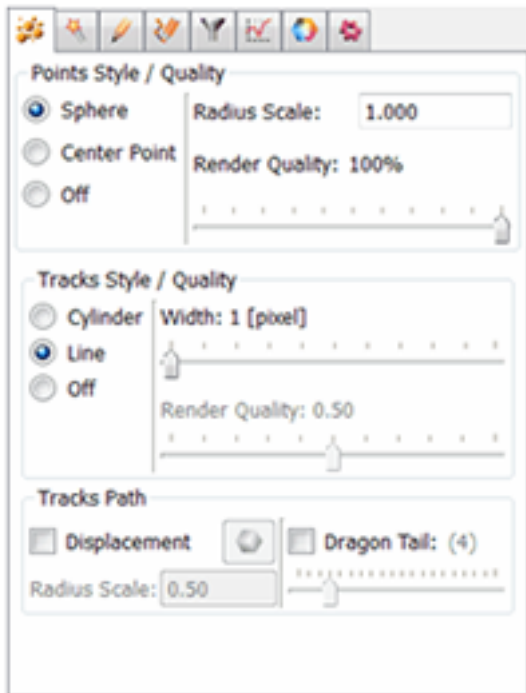


Visualize Spots and Tracks

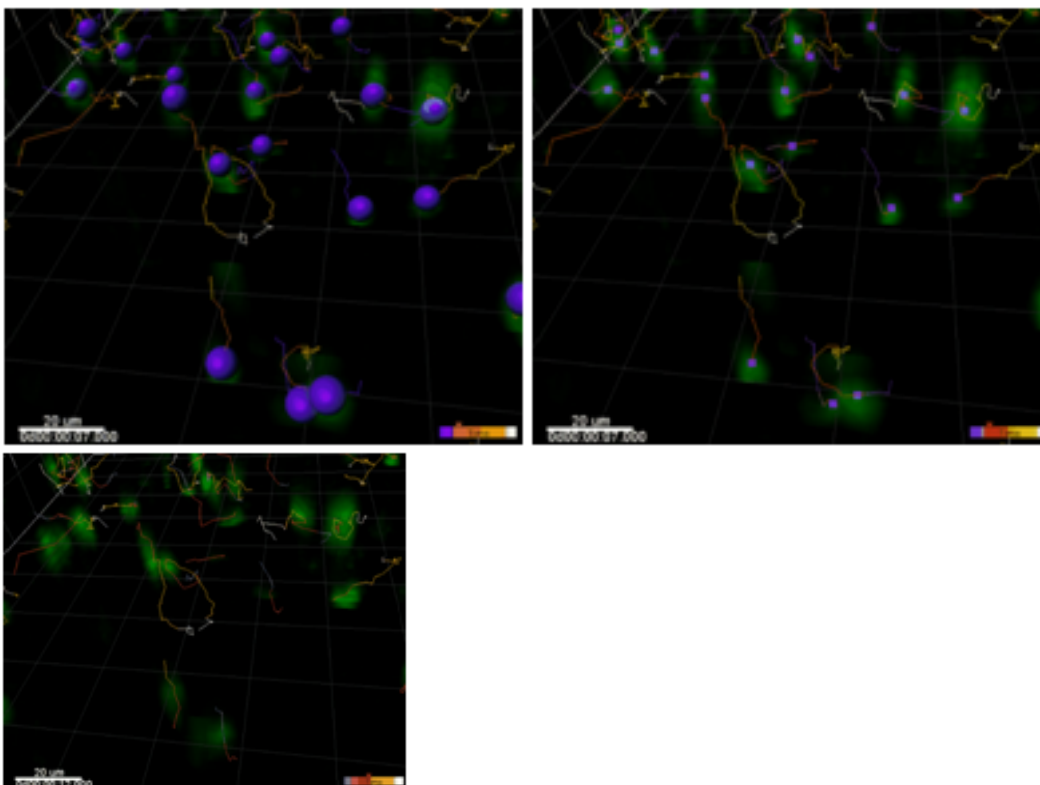
Tutorial

May 2011

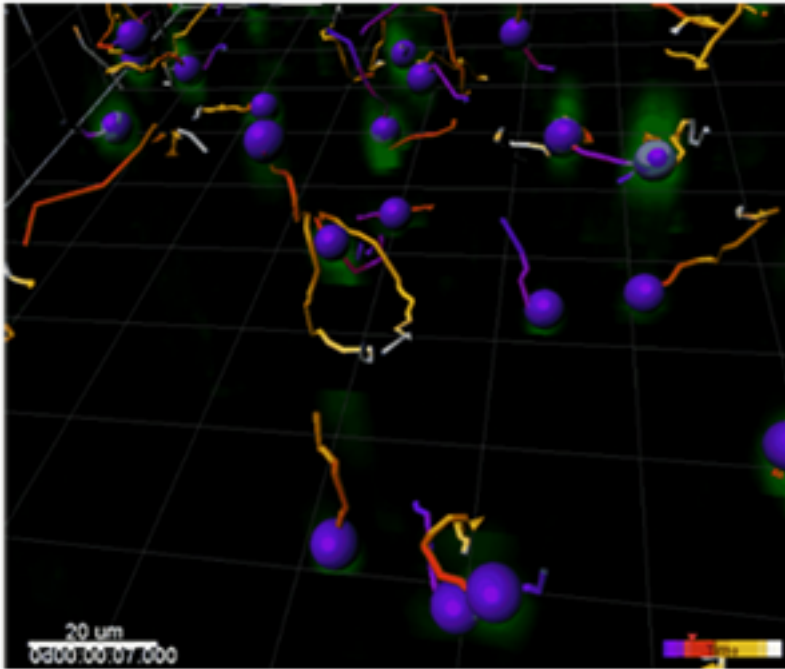
Several visualization options are available under the 'Settings' tab that allow the user to change the appearance of the Spots and Tracks.



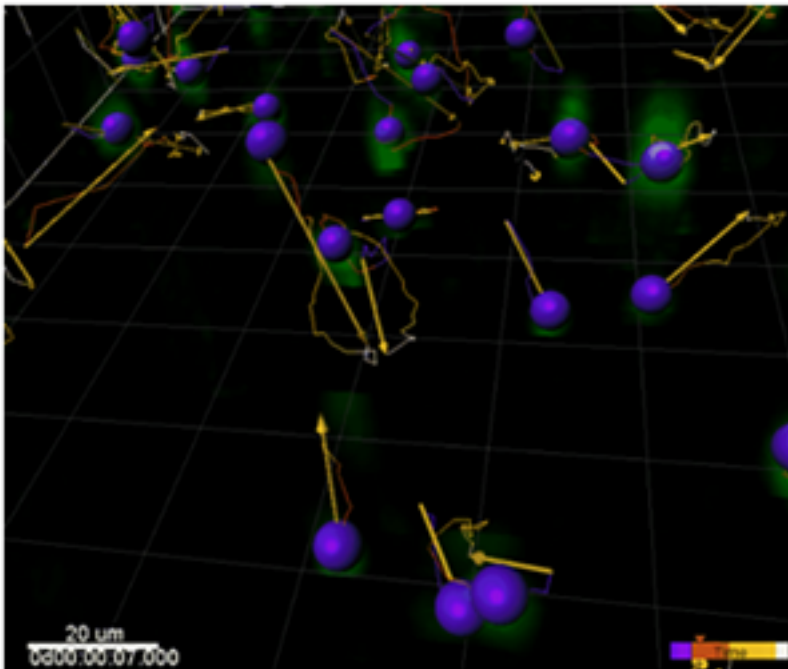
By default, the Spot objects are visualized as spheres. Furthermore, the Spots can be visualized as the center points for complex data sets or they can be hidden to show only the original data and track.



When the number of spots is very large you can achieve faster performance of the display by adjusting the rendering quality of the objects - this is done in the Settings tab. The size of the Spots can be adjusted with the Radius Scale box. It is also possible to adjust the Tracks style and quality by altering the display of connections between the tracked objects. Initially, the tracks are visualized as lines. By selecting the Cylinder option, the tracks are displayed as time color-coded cylinders. For users that only want to analyze Spot objects, Tracks visualization can be switched off.



Selecting the "Displacement" option adds a 3D arrow to the Track. Such arrows indicate the shortest distance and direction between the beginning and end points of a Track.



The "Dragon Tail" option makes it possible to highlight only a subset of Track's time points instead of displaying the Track in its entirety. The user can define the number of time points to be highlighted in Dragon Tail way by selecting "Displacement factor". In the above example, the Displacement factor has been set to four.

