Microscopy images Edge Tracker Cell Dynamics Analyzer Correlation SpeckTackle FSM Center FSM Center Cell Manipulator Edge Tracker Protrusion Merge Calibration Average Poly & Activities Crop Segment flow flow Speckle image Speckle image Channel 2 Channel 2 Channel 3 Channel 3 Calibration parameters Mask Edge Average flow Flow maps Poly maps Protrusion Protein activities Bleaching parameters 🔽 Correlations Frequencies Velocities Rates Visualizations