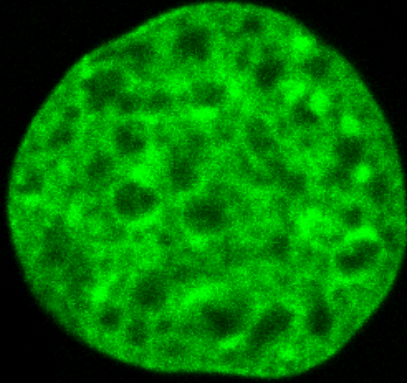
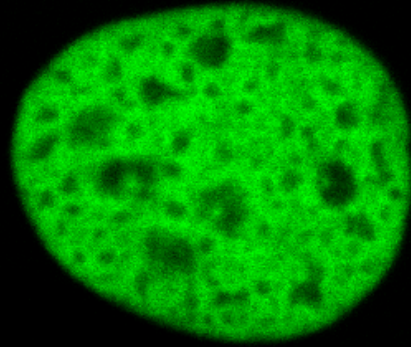


A_{control}



B_{+TSA}

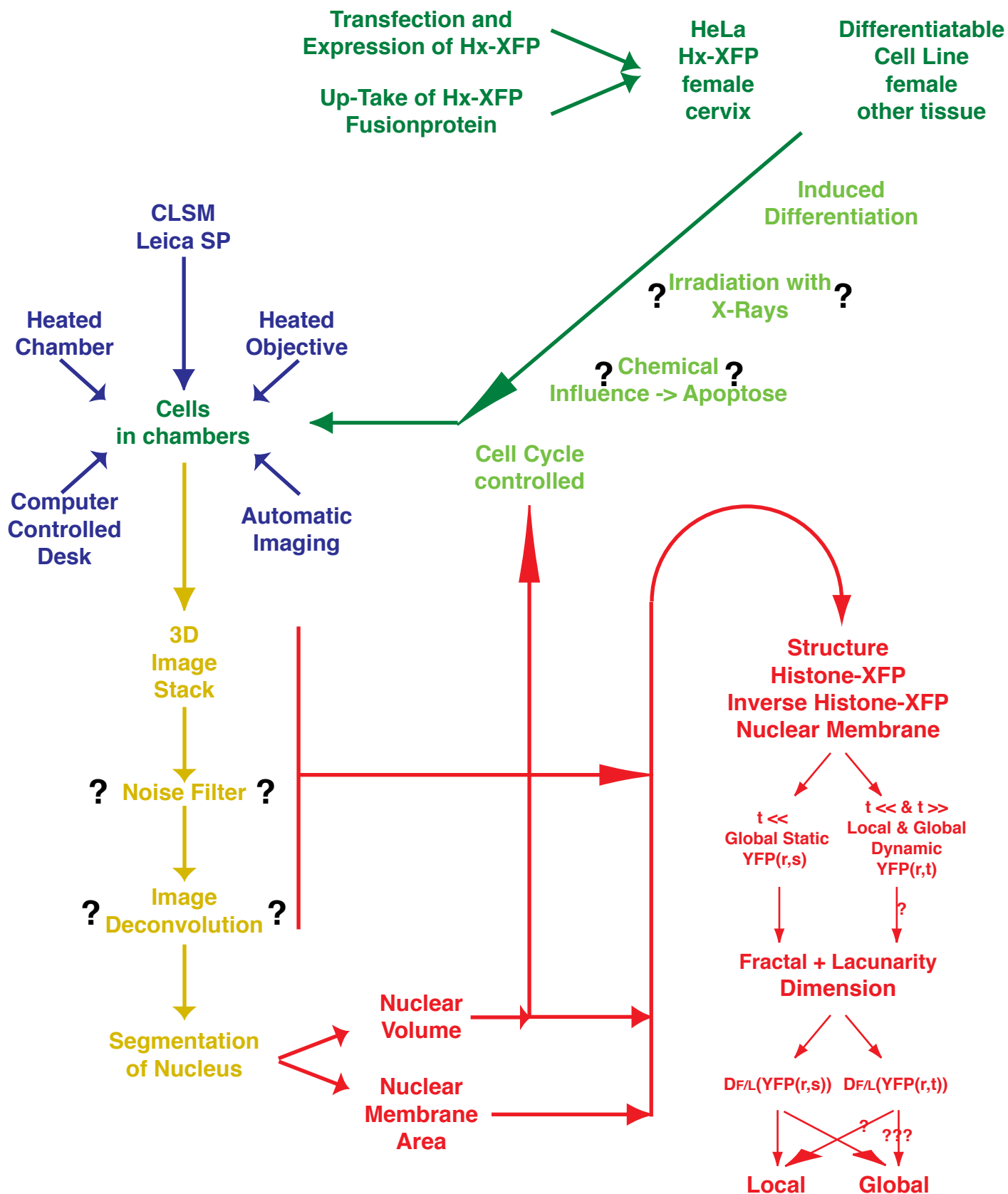


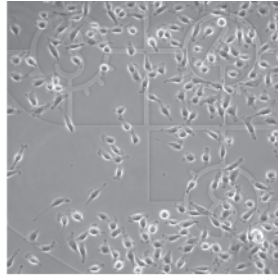
Determination of the Fractal Dimensions in Cells expressing Hx-XFP Fusionproteins

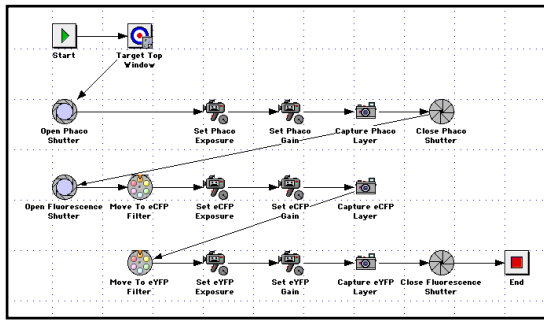


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YFP: HX-YFP-Mass distribution t: time
 D_{F/L}: Fractal/Lacunarity Dimension r: space vector
 s: equilibrium step



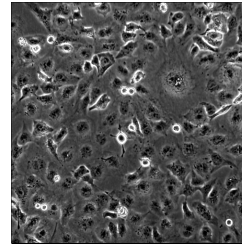
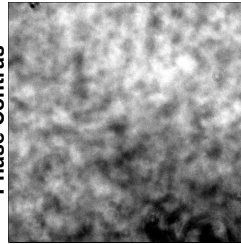




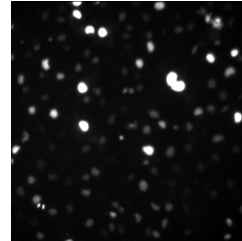
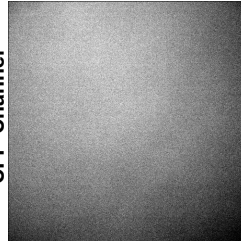
Background

Cells

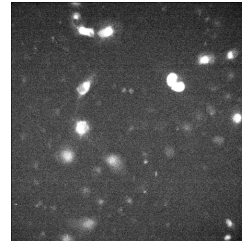
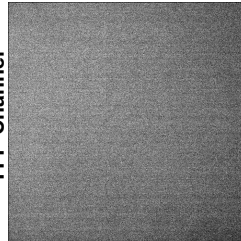
Phase Contrast

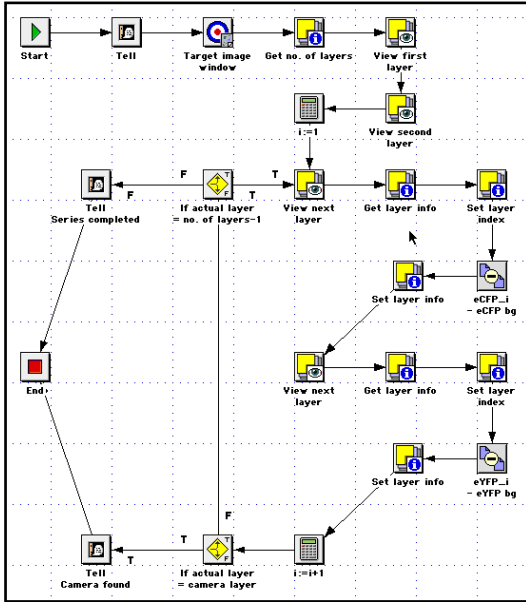


CFP-Channel



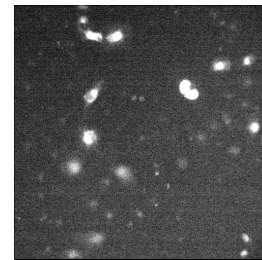
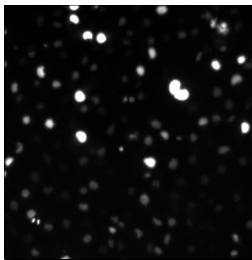
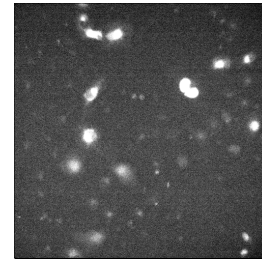
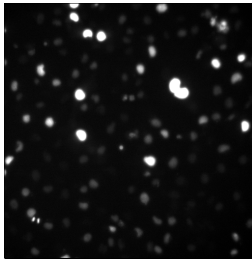
YFP-Channel

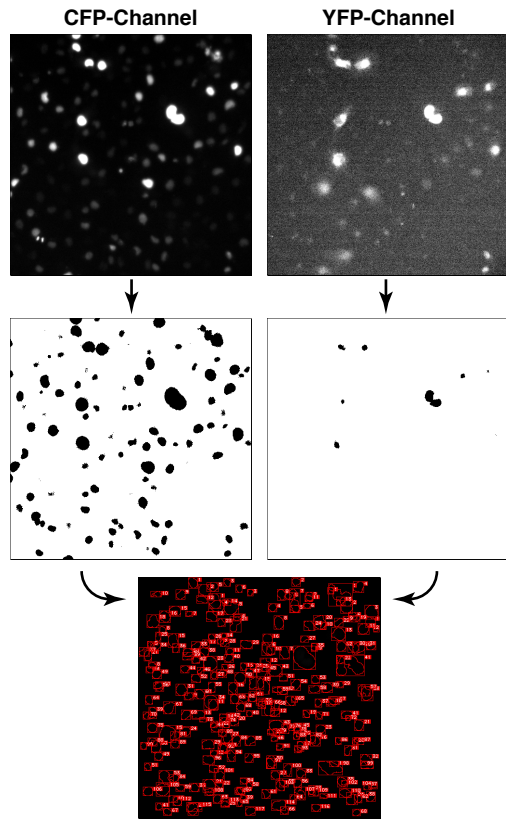
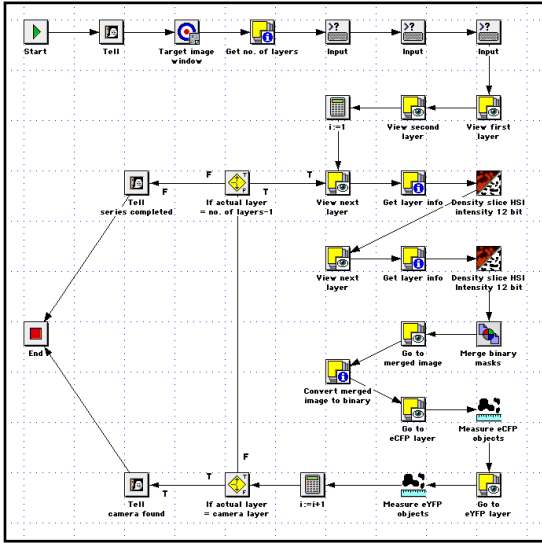


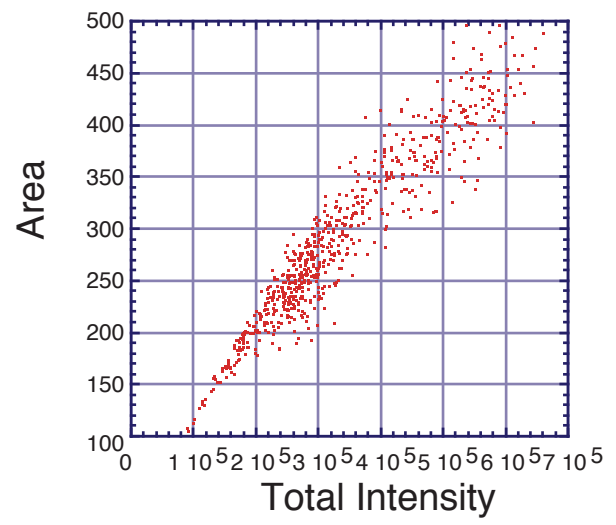
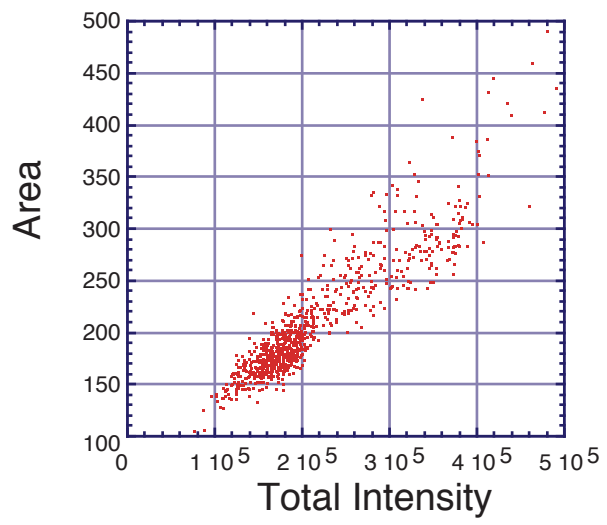
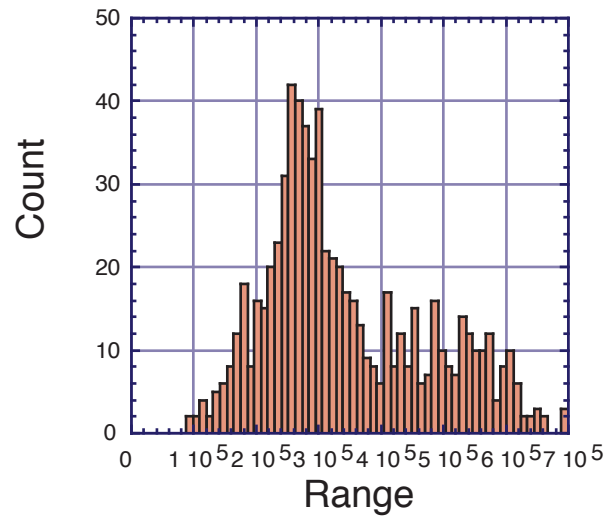
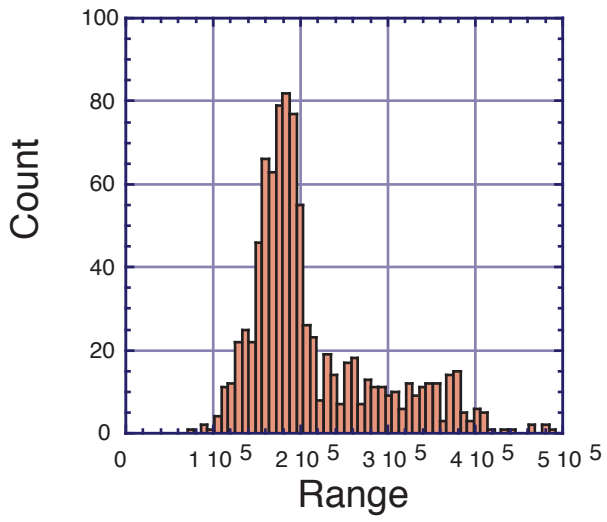


CFP-Channel

YFP-Channel







Methods to investigate Trichostatin A induced Histone Acetylation causes Decondensation of Interphase Chromatin

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Keywords:

Genome, genomics, genome organization, genome architecture, structural sequencing, architectural sequencing, systems genomics, coevolution, holistic genetics, genome mechanics, genome function, genetics, gene regulation, replication, transcription, repair, homologous recombination, simultaneous co-transfection, cell division, mitosis, metaphase, interphase, cell nucleus, nuclear structure, nuclear organization, chromatin density distribution, nuclear morphology, chromosome territories, subchromosomal domains, chromatin loop aggregates, chromatin rosettes, chromatin loops, chromatin fibre, chromatin density, persistence length, spatial distance measurement, histones, H1.0, H2A, H2B, H3, H4, mH2A1.2, DNA sequence, complete sequenced genomes, molecular transport, obstructed diffusion, anomalous diffusion, percolation, long-range correlations, fractal analysis, scaling analysis, exact yard-stick dimension, box-counting dimension, lacunarity dimension, local nuclear dimension, nuclear diffuseness, parallel super computing, grid computing, volunteer computing, Brownian Dynamics, Monte Carlo, fluorescence in situ hybridization, confocal laser scanning microscopy, fluorescence correlation spectroscopy, super resolution microscopy, spatial precision distance microscopy, autofluorescent proteins, CFP, GFP, YFP, DsRed, fusionprotein, in vivo labelling.

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