Materials List for:

4D Imaging of Protein Aggregation in Live Cells

Rachel Spokoini*[1], Maya Shamir*[1], Alma Keness*[1], Daniel Kaganovich[1]

[1]Department of Cell and Developmental Biology, Alexander Silberman Institute of Life Sciences, Hebrew University of Jerusalem

*These authors contributed equally

Correspondence to: Daniel Kaganovich at dan@cc.huji.ac.il

URL: https://www.jove.com/video/50083
DOI: doi:10.3791/50083

Materials

Name	Company	Catalog Number	Comments
MG132	Mercury	mbs474790	
con A	Sigma	C2010	
Glass bottom plates	ibidi	ibd81158	

4D Fluorescence Imaging of Protein Aggregation
Confocal 3D movies were acquired using a Nikon A1R-si microscope equipped with a PInano Piezo stage (MCL), using a 60x water objective NA 1.27, 0.3 micron slices, 0.5% laser power (from 65 mW 488 laser and 50 mW 561 laser). *z*-stacks were acquired every 5 min for 90 min. Each *z*-series was acquired with 0.5 micron step size and 30 total steps. Image processing was performed using NIS-Elements software.