## **Supplemental Information**

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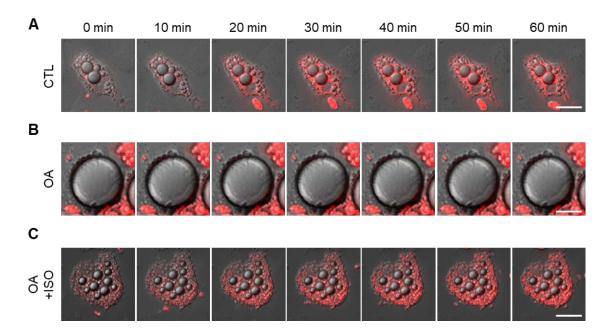
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3 During adipocyte remodeling, lipid droplet configuration regulates insulin

- 4 sensitivity through F/G-actin reorganization
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• Three supplemental movies (Movie S1A, S1B, and S1C)



Supplemental Movie 1. GB uptake in 3T3-L1 adipocytes. Cells were starved for 15 hours. Fluorescent intensities of GB-Cy3 were monitored after stimulation with insulin (100 nM) using Deltavision time-lapse imaging. (A) BSA-treated control adipocyte (CTL). (B) OA-treated (6 days) hypertrophic adipocyte (OA). (C) Morphologically reversed adipocytes by isoproterenol (2  $\mu$ M, 15 hours) (OA+ISO). Glucose bioprobe fluorescence (red) intensities were monitored every 2 minutes. Scale bar = 25  $\mu$ m.