

Supplementary Information

Supplementary video 1: Representative example of infrared-induced damage in astrocytes (green) and neurons (red) induced with a single infrared pulse train at 0.72 J.cm^{-2} showed by sustained increase of calcium fluorescence signals suggesting immediate thermal damage and cell toxicity. (Video accelerated x2).

Supplementary video 2: Representative example of infrared-induced calcium signals in astrocytes (green) and neurons (red) induced with propagation-like behavior observed in astrocytic calcium signaling triggered by a single infrared pulse train at 0.58 J.cm^{-2} . (Video accelerated x2).