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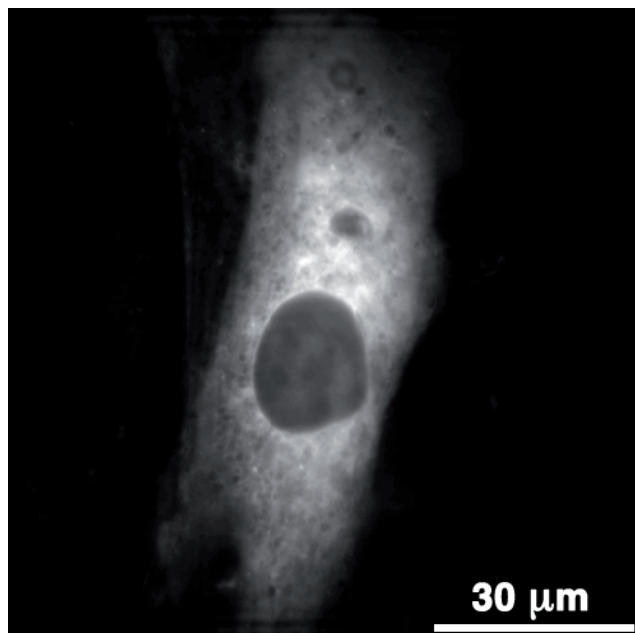
Supporting Material

Triplet Imaging of Oxygen Consumption During the Contraction of a Single Smooth Muscle Cell (A7r5)

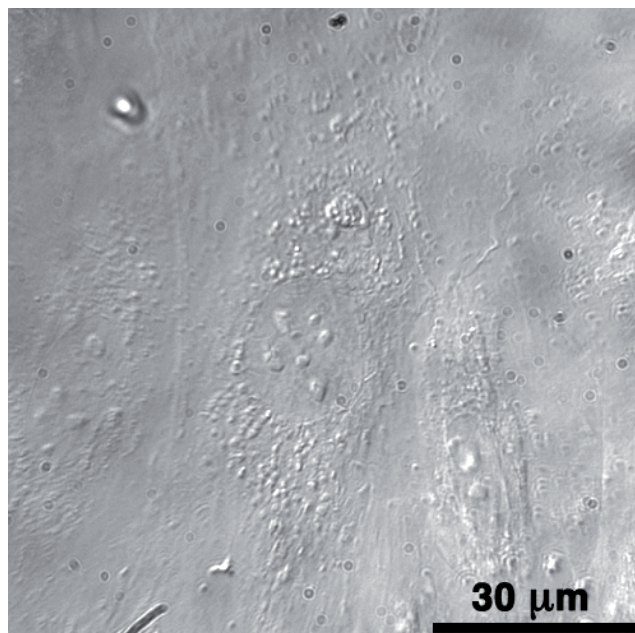
Matthias Geissbuehler, Thiemo Spielmann, Aurélie Formey, Iwan Märki, Marcel Leutenegger, Boris Hinz, Kai Johnsson, Dimitri Van De Ville, and Theo Lasser

Triplet lifetime image of a smooth muscle cell A7r5 with high spatial resolution

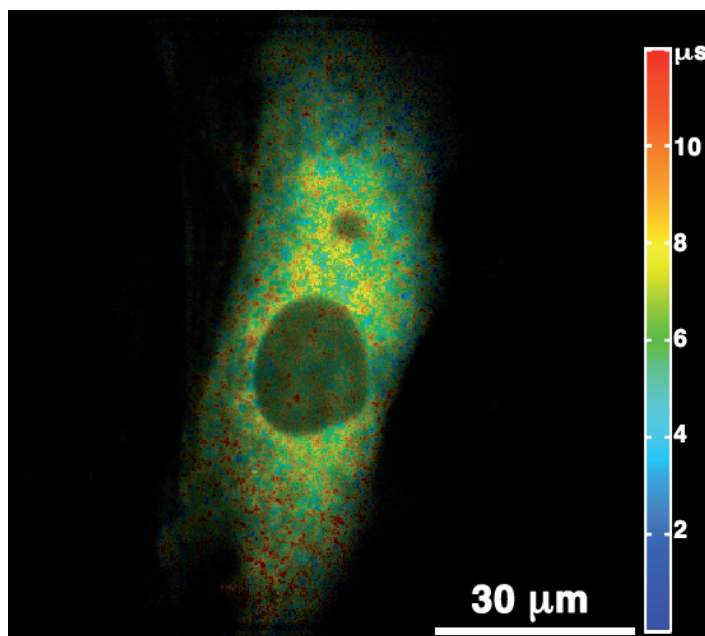
Fluorescence intensity image



DIC image



Triplet lifetime τ_T [μ s]



Acquisition parameters

8 Modulated excitation images

4 Bleaching estimation images

Exposure 0.05 ms

Objective Olympus UPlanApo/IR - 60x/1.2W

Laser 9 W

I_{center} ~ 4 mW/ μ m²

Labeling Standard Covalys Protocol