

Supplementary Material (ESI) for Organic & Biomolecular Chemistry

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Electronic Supplementary Information

Time-Resolved Luminescence Microscopy of Bimetallic Lanthanide Helicates in Living Cells

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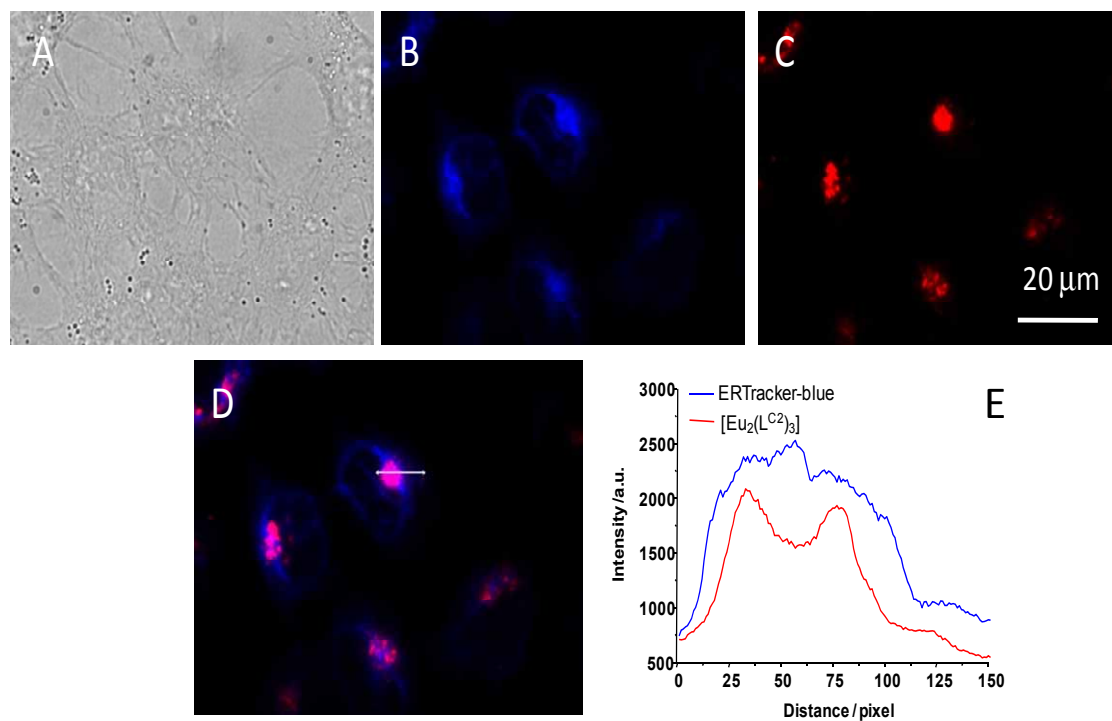
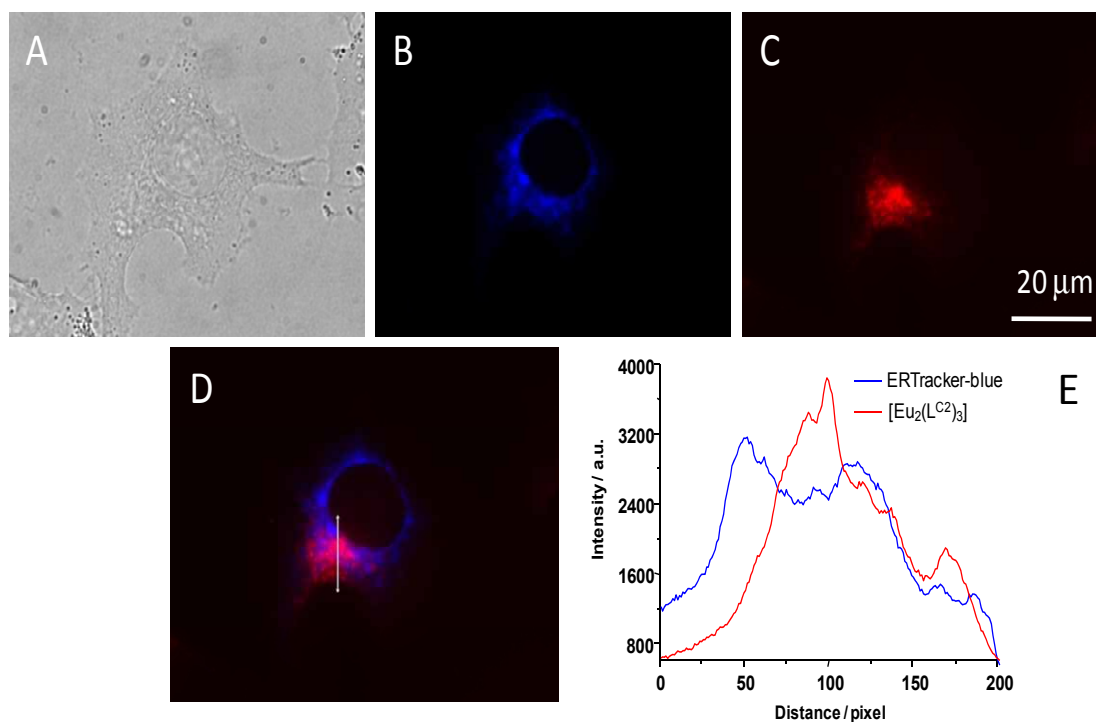


Figure S1. Co-localization imaging of MCF-7 (top) and HaCat cells (bottom) loaded with 100 μM $[\text{Eu}_2(\text{L}^{\text{C}2})_3]$ for 4 h, followed by a 30-min incubation with 1 μM ER-Tracker Blue-White DPX. (A) bright field; (B) fluorescence of ER-Tracker Blue-White DPX (Objective: Plan-fluor 100 $\times$; Excitation:365 nm (BP 80 nm) filter, emission: 450 nm (BP 65 nm) filter, exposure time: 2 s); (C) Eu^{III} luminescence (excitation: 340 nm (BP 70 nm) filter; emission: 420-nm LP filter; excitation pulse length: 10 μs ; delay time: 100 μs ; gate time: 600 μs ; exposure time: 30s); (D) merged images. (E) Densitometric traces along the path shown in D.