

Review of: "Spatiotemporally Mapping Thermodynamics of Lysosomes and Mitochondria using Cascade Organelle-Targeting Upconversion Nanoparticles"

Eduardo David Martínez¹

¹ Comisión Nacional de Energía Atómica

Potential competing interests: The author(s) declared that no potential competing interests exist.

This is a systematic work of excellent quality and relevant content. The authors have made a remarkable achievement in the use of UCNPs for intracellular thermometry. Although my specialty is not microbiology, and therefore I cannot evaluate the technical aspects of that area, the use of optical thermometry for biomedical applications is a rapidly developing field and this work represents a significant advance.