

# Probing Intracellular Oxygen by Quenched Phosphorescence Lifetimes of Nanoparticles containing polyacrylamide-embedded $\text{Ru}([\text{dpp}(\text{SO}_3\text{Na})_2]_3)\text{Cl}_2$

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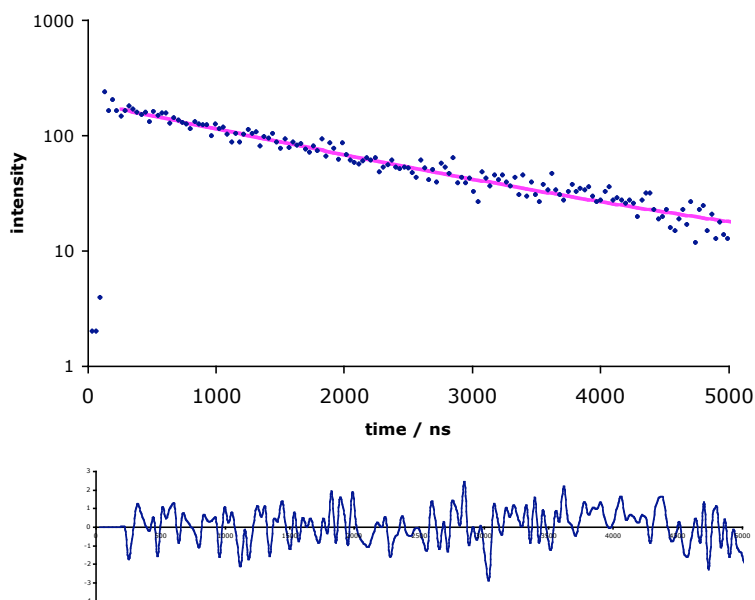
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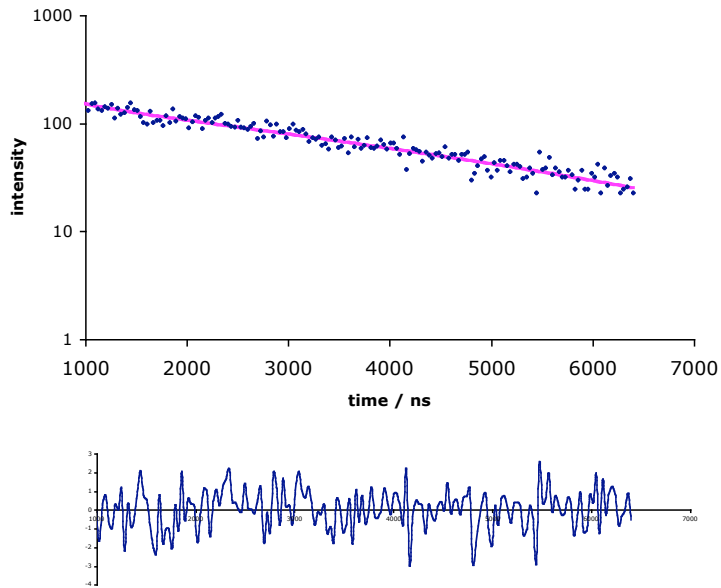
## Supplementary Information

### Data fits for lifetime decay measurements

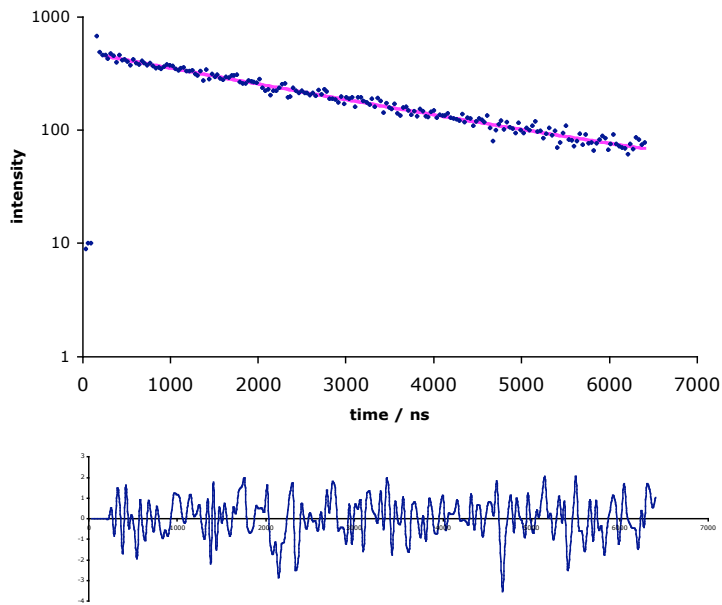
1) Ru-nanoparticles in air ( $\tau = 1.81$  ns; mono exponential with  $\chi^2(\text{fit}) = 1.02$ )



2) Ru-nanoparticles in dinitrogen ( $\tau = 3.88 \text{ ns}$ , mono exponential with  $\chi^2(\text{fit}) = 1.01$ )



3) Electroporated cells in air ( $\tau = 2.92 \text{ ns}$ ; mono exponential with  $\chi^2(\text{fit}) = 0.99$ )



4) Electroperated cells in dinitrogen ( $\tau = 4.06$  ns; mono exponential with  $\chi^2(\text{fit}) = 1.06$ )

