

Grupo Professor Fernando Sigoli – IQ- UNICAMP

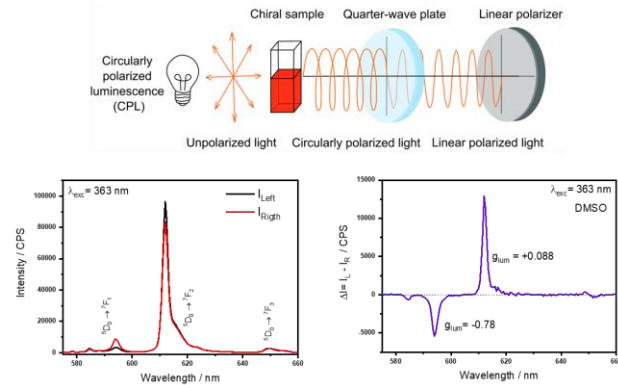
Você gostaria de trabalhar em nanotecnologia ou com complexos com propriedades ópticas aplicadas a sensores ?

Sim. Então venha trabalhar com a gente!!!

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Complexos

➤ Emission intensities of left (I_L) and right (I_R) circularly polarized light



$$\text{Dissymmetry Factor } g_{lum}(\lambda) = \frac{2(I_L(\lambda) - I_R(\lambda))}{I_L(\lambda) + I_R(\lambda)} = \frac{2\Delta I}{I}$$

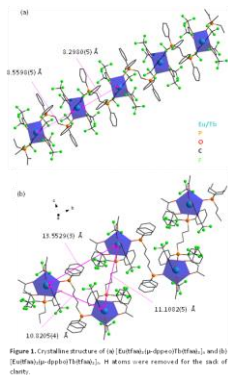
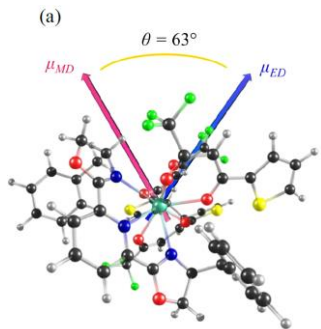
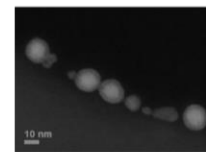
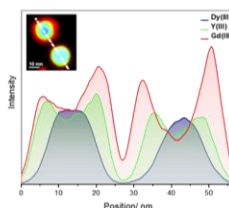
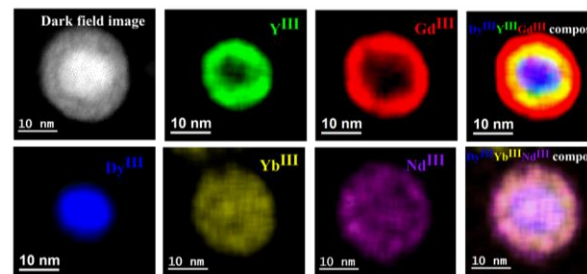
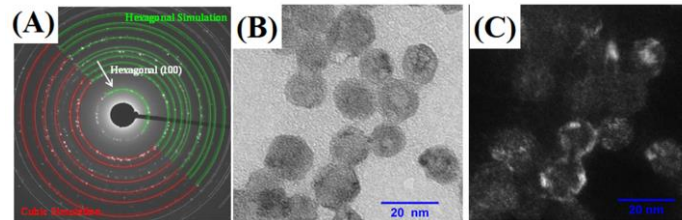


Figure 1. Crystalline structure of (a) [Eu(tta)3(DMSO)2] and (b) [Dy(tta)3(DMSO)2] complexes. H atoms were removed for the sake of clarity.

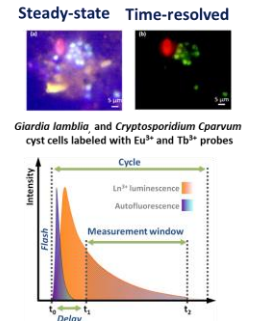
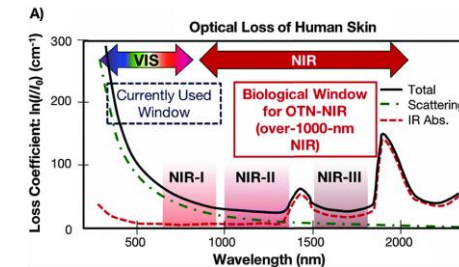
Nanopartículas Caroço@multi-cascas



Sondas Ópticas

Lanthanide-based luminophores

- ✓ Narrow emission bands
- ✓ Long emission lifetimes



Relative sensitivity % K⁻¹

