

# **Application of fluorescence spectroscopy to studies of biomolecular structure, dynamics and interactions**

**Lorenzo Stella**

*Department of Chemical Sciences and Technologies, University of Rome Tor Vergata,*

*Email: [stella@stc.uniroma2.it](mailto:stella@stc.uniroma2.it)*

In this lecture I will cover the different fluorescence observables that can be used to follow biomolecular association processes (emission spectra, anisotropy, lifetimes, FRET), discussing data analysis and possible experimental artifacts, with examples taken from studies of protein/ligand, protein/protein, protein/nucleic acid, protein/membrane and protein/cell interactions.