

Soft.Matter@PT 2015

Smilja Todorovic

Institution: ITQB-UNL

E-mail: smilja@itqb.unl.pt

Web: www.itqb.unl.pt/raman_spectroscopy_of_metalloproteins/

ResearcherID: F-7612-2010

LinkedIn: -

ResearchGate: www.researchgate.net/profile/Smilja_Todorovic

Expertise: Interfaces and wetting of simple fluids and liquid crystals

	Colloids	Liquid Crystals	Polymers and Gels	Interfaces, surfactants	Foams, emulsions	Granular materials	Biological	Other (specify)
Experimental				✓			✓	Surface enhanced vibrational spectroscopy
Computacional								
Theoretical								

Description of expertise:

- Surface enhanced (resonance) Raman (SERR) and Infrared absorption (SEIRA) spectroscopy
- Biocompatible immobilization of proteins and enzymes
- Bioelectrocatalysis
- Heterogeneous electron transfer

Selected Publications (max 5):

- Moe, E., Hildebrandt, P., Sezer, M., Todorovic, S. 2015 'Surface enhanced vibrational spectroscopic evidence for an alternative DNA-independent redox activation of Endonuclease III' *Chem. Comm.* 51, 3255-3257
- Silveira, S. M., Quintas, P. O., Moura, I., Moura, J. J. G., Hildebrandt, P., Almeida, M. G., Todorovic, S. 2015 'SERR spectroelectrochemical study of cytochrome cd1 nitrite reductase co-immobilized with physiological redox partner cytochrome c552 on biocompatible metal electrodes', *Plos one-D-15-15477R1 - e64bb5e5426032bf*

- . Todorovic, S., Hildebrandt, P., Martins, L. O. 2015 'Surface enhanced resonance Raman detection of a catalytic intermediate of DyP-type peroxidase' *Phys. Chem. Chem. Phys.* 17, 11954-11957
- Sezer, M., Genebra, T., Mendes, S., Martins, L. O., Todorovic, S. 2012 'A DyP-type peroxidase at a biocompatible interface: structural and mechanistic insights' *Soft Matter* 8, 10314-10321
- Molinas, M. F., de Candia, A., Szjanman, S., Rodríguez, J. B., Marti, M., Pereira, M., Teixeira, M., Todorovic, S., Murgida, D. 2011 'Electron transfer dynamics of *Rhodothermus marinus* *caa*₃ cytochrome c domain on biomimetic films' *Phys. Chem. Chem. Phys.* 13, 18088-18089