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Optical Technologies for Biomedical Applications

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Call for Papers:

This special section is planned as a collection of selected papers presented at Saratov Fall Meeting 2015 – International Symposium Optics and Biophotonics - III (September 22-25, 2015, Saratov, Russia). Papers focused on optical technologies for study of biological tissues and liquids are invited. The following topics are of interest for the special section:

- Photon migration in tissues
- Spectrophotometry, fluorescence and Raman spectroscopy of tissues
- Coherent optical methods for medical diagnostics
- Laser Doppler measuring systems for medicine and biology
- Full field speckle-correlation biomedical techniques

- Optical polarimetric methods for study of tissues and cell structures
- Optical biopsy
- Optical microelastography of tissues
- Osmotic effects and optical monitoring of matter diffusion in tissues
- Tissue and blood optical clearing
- Optical glucose sensing
- Tissue phantoms
- Multifunctional nanostructures for laser theranostics
- Photothermal and photodynamic therapy using nanocomposites

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Manuscripts due date **November 30, 2015**