

Special Issue on
State-of-the-Art Nanobiosensing Techniques and Applications

CALL FOR PAPERS

In the last few years, continuous progress in materials, nanostructures, and transducers together with advanced biofunctionalization techniques, new receptors, and applications employing real samples effectively facilitated various state-of-the-art biosensors. A myriad of companies have been generated in the last years around this powerful biosensing technology.

This special issue will provide a platform and an opportunity to promote mutual interaction, information dissemination, and exchange among researchers and hence to promote fruitful collaborations on advanced state-of-the-art nanobiosensing techniques and bioanalytical sciences.

Potential topics include but are not limited to the following:

- ▶ Synthetic strategies for new sensing nanomaterials
- ▶ Nanoelectronic/electrochemical biosensors
- ▶ Nanooptical biosensing (plasmonics, surface plasmon resonance, Raman, refractive index, luminescence, light scattering, etc.)
- ▶ Nanofabrication and nanopatterns for biosensing (nanofluidics, biochips, etc.)
- ▶ Molecular self-assembly or biomimic based nanobiosensors (ion-channel/nanopore-based sensor, DNA as a tool for sensing, etc.)
- ▶ Point-of-care nanosensor and nanochips
- ▶ Application of new nanomaterials and nanotechnology for disease earlier diagnostics, food testing, environmental monitoring, and drug discovery

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jnt/santa/>.

Lead Guest Editor

Longhua Tang, Zhejiang University,
Hangzhou, China
lhtang@zju.edu.cn

Guest Editors

Ying Wang, Tongji University,
Shanghai, China
yingwang@tongji.edu.cn

Hao Zhang, Northwestern University,
Evanston, USA
h Zhang2010@northwestern.edu

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