

CALL FOR PAPERS
Special Section on
Bioinformatics and Computational Biology
IEEE Transactions on Nanobioscience

The IEEE Transactions on Nanobioscience will devote a special section to present recent advances and applications on the computational modeling and analysis of **biological systems at the molecular and cellular levels**. High quality, innovative research papers reporting methods or tools to support hypothesis generation and validation will be selected. Examples of biological application areas include, but are not limited to, the following:

- Structural and functional proteomics
- Gene expression analysis and modeling
- Regulatory and protein networks
- Modeling and simulation at cellular, protein/peptide, molecular levels
- Gene and protein sequence analysis
- Metabolic pathway modeling
- Bio- imaging techniques at cell/gene/molecular levels
- Comparative genomics
- Models and systems for biomedical applications

Key dates:

- **Manuscript submission deadline:** March 15, 2005
- **Feedback to authors:** May 30, 2005
- **Deadline for submitting final versions of accepted manuscripts:** June 20, 2005

Submission procedure: Authors should prepare their manuscripts according to the IEEE transactions format (using the IEEE word or latex style files), 6 pages maximum.

The pdf file of the manuscript should be emailed to Dr. Huiru Zheng at h.zheng@ulster.ac.uk.

All submissions will be reviewed in accordance with the editorial procedures of the journal.

Further information can be found at <http://www.ulster.ac.uk/staff/h.zheng.html>

Guest Editors:

Huiru Zheng
University of Ulster
U.K
h.zheng@ulster.ac.uk

Kay C. Wiese
Simon Fraser
University, Canada

Jun Zhang
University of
Kentucky, U.S.A

Francisco Azuaje
University of
Ulster
U.K