



## CALL FOR PAPERS

The 5th International Conference on Microtechnologies in Medicine and Biology (MMB) will be held in Québec City April 1 - 3, 2009. The primary purpose of the Conference is to foster interaction between biologists and medical researchers; chemists, physicists and engineers to enhance and strengthen the potentials of microtechnologies in revolutionizing the fields of medicine and biological sciences through the development of new research tools and technologies.

### MICROTECHNOLOGY ADVANCES:

- 1.1 Bio-Hybrid Microdevices
- 1.2 Nanostructured Substrates
- 1.3 Microrobots/Actuators for Biomedicine
- 1.4 Micro-/Nanofluidic Technology Advances
- 1.5 Micro Phenomenon and Scaling Effects
- 1.6 Bionanotechnology
- 1.7 Novel Fabrication Methodologies
- 1.8 Wireless Energy/Micropower
- 1.9 Micro Imaging Techniques
- 1.10 Packaging and Biocompatibility Issues
- 1.11 BioMEMS Modeling and Simulation

### BIOTECHNOLOGY APPLICATIONS:

- 2.1 Microanalytical (Microfluidic) Devices
- 2.2 Microdevices for Biogent Detection
- 2.3 Rehabilitation MEMS-Based Prostheses (Suditory/Retinal)
- 2.4 Implantable Microdevices
- 2.5 Micro/Nanoscale Drug Delivery Systems
- 2.6 Microsurgery

## TOPICS

### TISSUE ENGINEERING APPLICATIONS:

- 3.1 Micro/Nanoscale Tissue Constructs
- 3.2 Biomimetic Substrates
- 3.3 Bioreactors
- 3.4 Micro/Nanoengineering Cell-Substrate Interactions

### CELL/MOLECULAR BIOLOGY:

- 4.1 Single-Cell and Protein Analysis Platforms
- 4.2 Cell-Based Sensors and Sensing Platforms
- 4.3 Cells in Microfluidic Environments
- 4.4 Protein-Substrate Interactions
- 4.5 Cell Adhesion, Growth & Migration in Microstructured Environments
- 4.6 MEMS-Based Biomechanical Measurements
- 4.7 Molecular Computing
- 4.8 Molecular Nanostructure/Self Assembly
- 4.9 C. Elegans

## DEADLINES

2-PAGE ABSTRACT DUE:  
NOVEMBER 11, 2008

LATE NEWS ABSTRACTS DUE:  
JANUARY 9, 2009

NOTICE OF ACCEPTANCE:  
FEBRUARY 2, 2009

ADVANCED REGISTRATION:  
FEBRUARY 28, 2009

SPONSORED BY 

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FOR MORE INFORMATION VISIT [www.MMB2009.org](http://www.MMB2009.org) OR CONTACT US AT [info@MMB2009.org](mailto:info@MMB2009.org)