

**XIth Annual Technological Advances in Science, Medicine and Engineering
(TASME)
Conference and Workshop - July 7 2007
University of Guelph
Guelph, Ontario
Canada
*Agenda 2007***

Saturday, July 07

8:00 – 9:00 *Breakfast and Registration*

9:00 – 9:05 *Welcome* Vishnu Suppiramaniam, Auburn University

- **Chair; *Sam Thiagalingam***, Boston University School of Medicine

9:05 – 9:35 *Shyamala Maheswaran*, MGH/ Harvard Medical School

- *Detection of Circulating Tumor Cells*

9:35 – 10:05 *Nades Palaniyar*, Sick Kids/University of Toronto

- *How do babies fight against germs - antibodies Vs innate immune proteins?*

10:05 – 10:35 *Raj Rajakumar*, University of Western Ontario

- *Autism: things lost in translation*

10:35 – 11:05 *Coffee Break*

- **Chair: *Nades Palaniyar***, Sick Kids/University of Toronto

11:05 – 11:35 *Muralikrishnan Dhanasekaran*, Auburn University

- *Sildenafil in Neurodegenerative Disorders*

11:35 – 12:05 *Premkumari Kumarathasan*, Health Canada

- *Elucidating Air Pollutant Toxicity Mechanisms Outside the Classical Paradigm*

12:05 – 12:35 *Nathan T. Yoganathan*, Canada

- *Developing rapid diagnostic tools for human disease*

12:35 – 1:30 *Lunch*

- **Chair: Cumaraswamy Vipulanandan**, University of Houston

1:30 – 2:00 Vishnu Suppiramaniam, Auburn University

- *Prenatal Ethanol Exposure: Potential Therapy for Cognitive Deficits in Offspring*

2:00 – 2:30 Sam Thiagalingam, Boston University School of Medicine

- Acceleration of p53-mediated apoptosis in hBub1 defective cells prevents tumorigenesis

2:30 – 3:00 Cumaraswamy Vipulanandan, University of Houston

- *Production and Characterization of Bimetallic Nanoparticles and Asymmetric Liposome for Advanced Engineered Applications*

3:00 – 3:30 Coffee Break

- **Chair: Shyamala Maheswaran**, MGH/ Harvard Medical School

3:30 – 4:00 Jeya Nadesalingam, Canada

- *TBA*

4:00 – 4:30 Bala Maheswaran, USA

- *TBA*

4:30 – 4:35 Concluding Remarks: Raj Rajakumar, University of Western Ontario