

Thursday, November 13, 2003

16:00 – 17:00	Arrival and Registration
17:00 – 17:15	Official Opening Arvind Chhatbar, President & CEO, Vitesse Re-Skilling™ Canada Inc. Doug James, Chair of the Board, Canadian Institute for Photonic Innovations
17:15 – 19:00	<i>"The Biophotonics Landscape – Overview, Challenges and Opportunities"</i> Dr. Brian Wilson, Professor of Medical Biophysics, University of Toronto
19:00 – 21:00	Reception and Networking – Room Renaissance B

Friday, November 14 – SECURITY, ENVIRONMENT, DEFENCE APPLICATION

08:00 – 08:45	Registration/Continental Breakfast
08:45 – 09:35	<i>"The CIHR Initiatives in Regenerative Medicine – an Opportunity for Biophotonics"</i> Dr. Eric Marcotte, Team Leader, CIHR
09:35 – 10:15	<i>"Introductory Comments on the Accelerating Field of Biophotonics"</i> Prof. Yin Yeh, Department of Applied Science, University of California, Davis, USA
10:15 – 10:45	Coffee Break
10:45 – 12:00	<i>"Multi-channel Fiber Optic Nucleic Acid Biosensors for Rapid Detection of Pathogens"</i> Dr. Ulrich J. Krull, Professor, Analytical Chemistry, University of Toronto
12:00 – 13:30	Lunch with Keynote Speakers <i>"How Did I Get into Biophotonics?"</i> Dr. A.E. (Ted) Dixon, CEO, Biomedical Photometrics Inc. <i>"Time Domain Biophotonics Commercial Applications"</i> Richard Boudreault, Vice President, Corporate Strategy and CTO, ART
13:30 – 14:00	Networking
14:00 – 14:45	<i>"Bio-Sensors Based on Optical Detection"</i> Dr. Andrei V. Kabashin, Research Scientist, Dept. of Engineering Physics, École Polytechnique de Montréal Prof. Michel Meunier, Canada Research Chair on Micro-Nanoengineering of Materials, Dept. of Engineering Physics, École Polytechnique de Montréal
14:45 – 15:30	<i>"Biosecurity – A Growing Sector with Convergence Technologies"</i> Dr. David Armstrong, Executive Vice President, Innovation & Regulatory Affairs, IatroQuest
15:30 - 16:00	Coffee Break
16:00 – 16:45	<i>"Defence Against Bio-Terror: Detection Technologies, Implementation, Strategies and Commercial Opportunities"</i> Dr. Fred Milanovich, Lawrence Livermore National Laboratory
16:45 – 17:15	<i>"On-line, Real-time Detection: The Holy Grail for Drinking Water Microbiology"</i> Dr. Susan Springthorpe, Director of Research, Centre for Research in Environmental Microbiology
17:15 – 18:15	Roundtable Discussion, Chair: Fred Milanovich <i>"Biophotonics in Security and Defence – Challenges and Opportunities"</i>

Canada's First Biophotonics Primer & Workshop – Four Points Sheraton Hotel, Gatineau, Quebec

Saturday, November 15 – MEDICAL APPLICATIONS

08:30 – 09:00	Continental Breakfast
09:00 – 09:45	<i>“Photonics Applications in Surgery and Trauma Assessment”</i> Dr. Michael Sowa, Group Leader, Spectroscopy, National Research Council Canada
09:45 – 10:30	<i>“Photonics: Challenges in Neurosciences”</i> Dr. Yves de Koninck, Director, Division of Cellular Neurobiology, Université Laval
10:30 – 10:45	Coffee Break
10:45 – 11:30	<i>“Advances in Nonlinear Biophotonics”</i> Dr. David Cramb, Professor, Dept. of Chemistry, University of Calgary
11:30 – 12:00	<i>“One Path for Biophotonics Tech Transfer: The PRO Biophotonics IRL”</i> Dr. Robert Weersink, Director of Operations, Biophotonics Facility, Photonics Research Ontario
12:00 – 13:30	Lunch with Keynote Speaker <i>“Transitioning of Biophotonics Research to a Medical Device”</i> Dr. Richard Cline, Vice-President, R&D, Xillix Technologies Corp.
13:30 – 14:00	Networking
14:00 – 14:45	<i>“Biophotonics for Vision, Health and Care”</i> Dr. Réjean Munger, Professor, Visual Optics Laboratory, University of Ottawa, Eye Institute
14:45 – 15:30	<i>“Electrochemiluminescence-based Bioanalytical Assays for Medical Diagnostics and Homeland Security”</i> Dr. Ming Zhou, Institute for National Measurement Standards, National Research Council of Canada, Ottawa
15:30 – 16:00	Coffee Break
16:00 – 16:30	<i>“A VC’s Perception of the Biophotonics Industry Sector”</i> Marc Wickham, Ventures West Management Inc.
16:30 – 17:00	<i>“NSERC’s Vision on Converging Science & Technology Sectors”</i> Janet Walden, Vice-President, Research Partnerships Program Natural Sciences and Engineering Research Council
17:00 – 18:00	Roundtable Discussion, Chair: Brian Wilson <i>“Biophotonics in Medical Applications – Challenges and Opportunities”</i>

Sunday, November 16 – BIOSCIENCES APPLICATIONS

08:30 – 09:00	Continental Breakfast
09:00 – 09:45	<i>“Biophotonics Applications in Radiobiology”</i> Dr. Daniel Houde, Dept. of Nuclear Medicine and Radiobiology, Sherbrooke University
09:45 – 10:30	<i>“Fluorescence Polarization – A Unique and Powerful Tool for the Diagnosis of Infectious Diseases”</i> Dr. Min Lin, Research Scientist, Canadian Food Inspection Agency
10:30 – 11:00	Coffee Break
11:00 – 12:00	<i>“Bioanalytics in Living Cells”</i> Dr. Nils O. Petersen, Professor of Biochemistry, University of Western Ontario
12:00 – 13:30	Luncheon and Closing Discussions, Chair: Nils Petersen <i>“Biophotonics – Strategic Research and Business Opportunities”</i>