

## CBB – Patents

<u>Patent</u>	<u>Inventor</u>	<u>Date</u>
Electrochemical Oxidation of Caffeine	Omanovic, Sasha; Brown, Wayne	01/10/2006
Compositions for delivery of biological agents and methods for the preparation thereof	Eisenberg, Adi	06/06/2006
Compositions for delivery of biological agents and methods for the preparation thereof	Eisenberg, Adi	30/01/2007
Polymeric binders for celiac disease.	Leroux, Jean-Christophe; Nasser-Eddine, Mohamad	14/11/2005
Method for improving fonctionnality of tissue constructs	Germain, Lucie; Auger, François A.; Grenier, G.; Larouche, D.; Rémy-Zolghadri, M.; Bergeron, F.	27/11/2002
In vitro human angiogenesis model	Auger, François A.; Germain, Lucie; Rochon, M.-H.; Black, A.	05/09/2001
Method and apparatus for inducing controlled mechanical constraints in a tissue construct	Auger, François A.; Germain, Lucie; Bergeron, F.	15/01/2003
Method for preparing tissue constructs	Auger, François A.; Germain, Lucie; Bergeron, F.	24/04/2003
Tissue-engineered heart valve	Germain, Lucie; Auger, François A.; Lafrance, H.; Bergeron, F.; Roberge, C.	16/07/2002
Method for preparing engineered tissue	Germain, Lucie; Auger, François A.; Bergeron, F.; Roberge, C.	16/07/2003
Low volume sample cell for spectroscopic measurements	Burns, David; Ross, P.	01/06/2007
Molecularly sensitive biosensor with ultrasound detection	Burns, David; Toriani, D.; Dion, J.	
Méthode d'imagerie et de mesure de la contrainte simultanée à l'intérieur d'un milieu diffusant par holographie photoréfractive et shearographie couplée	Charette, Paul; Béland, Rémy; Rosso, Vanessa; Renotte, Yvon	01/11/2007
Method to determine state of the cell exchanging metabolites with a fluid	Burns, David	01/01/2007

medium by analyzing the metabolites in the fluid medium		
Spectroscopic assessment of viability in ART from semen, ovocytes and embryos	Burns, David	01/11/2006
Spectroscopic analysis for the diagnosis and management of Alzheimer's disease and other neurological diseases	Burns, David; Schipper, H.; Bandilla, D.; Rosendahl, S.	01/11/2004
Spectroscopic assessment of fetal health	Burns, David; Koski, K.	21/08/2003
Quantification of optical properties in scattering media using the fractal analysis of photon distribution measurements	Burns, David; Gributs, C.E.W.	01/01/2003
Near infrared method and system for measuring lactate levels in vivo	Burns, David; Lafrance, D.; Lands, L.	01/01/2003
Near-infrared measurement of tissue edema	Burns, David; Oppenheimer, L.; Leonardi, L.	01/01/2001
Characterization of the contact distribution between two arbitrary surfaces using electrode arrays.	Buschmann, Michael D.; Garon, M.; Ouellet, M.; Légaré, A.; Savard, P.	01/01/2001
Composition and method for assisted repair and regeneration of cartilage and other tissue	Buschmann, Michael D.; McKee, Marc D.; Hoemann, C.D.	01/01/2001
Composition for cytocompatible, injectable, self-gelling polysaccharide solutions for encapsulating and delivering live cells	Buschmann, Michael D.; Hoemann, C.D.; Chenite, A.; Sun, J.; Serriqi, A.	01/01/2002
Gel formation of polyelectrolyte aqueous solutions by thermally induced changes in ionisation state	Buschmann, Michael D.; Fillion, D.; Lavertu, M.	01/01/2007
Composition and method for efficient delivery of nucleic acids to cells using chitosan	Buschmann, Michael D.; Lavertu, M.; Methot, S.	01/01/2007
Method for the spectral	Ismail, Ashraf; Kirkwood, J.;	

identification of microorganisms.	Sedman, J.; Ghetler, A.; Pinchuk, T.	01/01/2006
Broadband optical space switch	Kirk, Andrew; Menard, M.	01/01/2005
Integrated etched multilayer grating based wavelength demultiplexer.	Kirk, Andrew; Bisailon, E.	01/01/2005
Sequence and method for increasing protein expression in cellular expression in cellular systems	Latterich, Martin; Powell, Kendall	10/05/2005
Amphiphilic diblock, triblock and star-block copolymers and their pharmaceutical compositions	Leroux, Jean-Christophe; Lele, B.S.	28/03/2006
pH-sensitive polymers	Leroux, Jean-Christophe; Yessine, M.A.; Petereit, H.U.; Meier, C.; Schultes, D.	01/01/2006
pH-sensitive block copolymer for pharmaceutical compositions	Leroux, Jean-Christophe; Sant, V.S.	22/08/2006
Polymeric binders for celiac disease	Leroux, Jean-Christophe; Nasser-Eddine, M.	14/11/2005
Hydrophilic core polymeric micelles for the delivery of water-soluble compounds.	Leroux, Jean-Christophe; Jones, M.C.; Tewari, P.	05/04/2005
Composition à propriétés gélifiantes destinée à la délivrance prolongée de substances bio-actives	Leroux, Jean-Christophe; Couffin-Hoarau, A.C.	08/06/2006
Water-soluble stabilized self-assembled polyelectrolytes.	Leroux, Jean-Christophe; Ranger, Maxime	06/09/2005
Histidine platform NaChBac as a general tool and a specific tool for quantum-dot based cellular voltage sensing	Nadeau, Jay Louise	01/03/2006
Electrochemical immunosensor for C-reactive protein	Omanovic, Sasha; Hennessey, H.; Padjen, A.L.	01/06/2006
Electrochemical passivation of stainless steel 316LVM	Omanovic, Sasha; Shahryari, A.; Bousaleh, Z.	01/03/2006
Bacterial cells/enzyme for	Prakash, Satya; Jones, M.L.	

lowering cholesterol		01/01/2004
Microencapsulated genetically engineering microorganisms for clinical application.	Prakash, Satya; Chang, T.M.S.	01/01/2001
Near infrared emitting InGaP(InP)3ZnS quantum dots	Tabrizian, Maryam; Sandros, M. G.	01/08/2007
Digital microfluidic-based nanostructured SPR-array sstem for detection of DNA, proteins and small molecules.	Veres, Téodor; Tabrizian, Maryam; Malic, L.; Cui, B.	21/02/2007
Production of a Contractile Smooth Muscle	Auger, François A.; Germain, Lucie; L'Heureux, N.	11/09/2003
Therapeutic Applications of Chimeric Organogenesis	Germain, Lucie; Auger, François A.; Rouabhia, M.; Lafleur, L.	09/06/2004
Optical Measurement of Cellular Energetics	Burns, David; Schenkman, K.; Arakaki, L.S.L.; Ciesielski, W.A.; Fiegl, E.	01/11/2007
Oxidative Stress Measurement Device and Related Methods	Burns, David; Schipper, H.; Bandilla, D.; Rosendahl, S.	01/11/2004
Production of Oriented Plastics by Roll-drawing	Dumoulin, Michel; Ajji, A.; Dufour, J.	07/12/1997
Non-linear morphing of faces and their dynamics	Charette, Paul; Hunter, P.J.; Nielsen, P.M.F.; Bullivant, D.; Sagar, M.; Lafontaine, S.	01/01/2005
Basis functions of three-dimensional models for compression, transformation and streaming	Charette, Paul; Hunter, P.J.; Nielsen, P.F.; Bullivant, D.; Sagar, M.; LaFontaine, S.	01/01/2002
Apparatus and method for rapid 3D image parametrization	Charette, Paul; Hunter, I.W.	01/01/2000
Method and Device for Flowing a Liquid on a Surface	Juncker, David; Delamarche, E.; Schmid, H.; Michel, B.	01/01/2004
Confinement of fluids on surfaces	Juncker, David; Delamarche, E.; Schmid, H.	01/01/2005
Large scale microfluidic systems	Juncker, David; Nannini, M.; Logiudice, V.	01/01/2006
Electron Microscopy Cell Fraction Sample Preparation Robot	Kearney, Robert; Waterbury, R.G.; Bergeron, J.	01/07/2002

Method of controlling magnetotactic bacteria	Martel, Sylvain	04/06/2004
Method and system for controlling micro-objects or micro-particles	Martel, Sylvain	06/06/2005
MR-tracking based on magnetic signature selective excitation	Martel, Sylvain; Mathieu, J.B.; Felfoul, O.; Beaudoin, G.	23/06/2005
Method and Kit for Intracellular Delivery	Nadeau, Jay Louise	01/12/2007
Use of quantum dots as biological labels and sensors	Nadeau, Jay Louise	05/10/2005
Improved ion channel biosensor	Nadeau, Jay Louise; White, V.; Maurer, J.A.; Dougherty, D.A.	01/09/2003
Microencapsulated and/or Immobilized Enzyme and/or Bacteria for Lowering Bile Acid and/or Cholesterol.	Prakash, Satya; Jones, M.L.	01/01/2004
Cell and Enzyme Compositions for Modulating Bile Acids, Cholesterol and Triglycerides	Prakash, Satya; Jones, M.L.	01/01/2004
Microcapsule carbon nanotube device	Prakash, Satya; Chen , H.; Nalamasu, O.; Raja , P.; Ajayan , P.M.	21/11/2006
Cells enzyme and its compositions for modulating bile acids, cholesterol and tri glycerides.	Prakash, Satya; Jones, M.L.	01/01/2006
Novel method to produce enzyme feruloyl esterase and ferulic acid and their application thereof	Prakash, Satya; Bhathena, J.	01/01/2007
Microcapsule yoghurt formulation and their use in probiotic delivery.	Prakash, Satya; Urbanska, A.	01/01/2006
Microcapsule formulation and their use in liver failure therapy.	Prakash, Satya; Bhathena, J.	01/09/2007
A Microdevice for a Fluorescence-based Assay, and a Method for Making the Microdevice	Veres, Téodor ; Diaz-Quijada, G.A.	23/11/2006

Method and microfluidic device for parallel micro-arraying of biological and chemical species through projection lithography	Veres, Téodor; Roy, E.; Geissler, M.; Diaz-Quijada, G.A.	01/01/2007
Fluorescence reading instrument and method to detect particle-grafted fluorescent sensors confined by micro-electromagnetic traps ( $\mu$ -EMT)	Veres, Téodor; Boudreau, D.; Gravel, J-F.; Voisin, B.; Drogoff, B.L.	01/01/2007
Folic acid-chitosan-DNA nanoparticles	Winnik, Françoise; Fernandes, J.; Mansouri, S.; Yan, C.E.	12/11/2004
Phosphorylcholine containing polymers and their preparation	Winnik, Françoise; Miyazawa, K.; Yanaki, T.	05/05/2001
Phosphorylcholine containing polysaccharides and their preparation	Winnik, Françoise; Miyazawa, K.; Yanaki, T.	04/04/2002
Phosphorylcholine group-containing polymers, their manufacture, and topical preparations	Winnik, Françoise; Miyazawa, K.; Hariki, T.	01/01/2003
Novel non-phospholipid liposomes modified with a pH and temperature sensitive copolymer with highly efficient cytoplasmic delivery	Winnik, Françoise; Polozova, A.; Andrews, D.W.	20/05/2000