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Diversifying Alberta's economy through technology, ABCtech encourages the formation of local technology-enterprise networks and conducts research and public forums for demystifying science and technology; to help advance the commercialization of emerging and potentially disruptive technologies.

We believe it is essential—and democratic—for the public to be engaged in advance discussion on the implication of emerging technologies. Such a dialogue is particularly relevant in the case of stem cell therapeutics, which offer such extraordinary promise and potential to transform health-care delivery and aging itself.

Our hope is that by engaging the public in an advanced discussion on emerging technologies we will encourage public and private support and collaboration for speeding up the safe development of these technologies for Albertans.

ABCtech is a nonprofit organization that relies solely on volunteer efforts. We need your support for the next step in the collaborative effort, a National conference.

We invite you to consider becoming a member of ABCtech and receive our newsletter and announcements regarding upcoming public forums. Join our Stem Cell Therapy Blog and/or the SCT Network at www.abctech.ca and stay informed, engaged and empowered.

**ABCtech is a nonprofit organization,
donations to support future public events are
welcome and appreciated.**

Contact: www.abctech.ca

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Event Program, PPT Presentation & Marketing Materials designed by Susan Bly 2009



Stem Cell Therapies

“From the Lab to the Bedside”



A Public Forum for Demystifying Stem Cell Therapies

- Engage —Public Awareness
- Identify Issues and Opportunities
- Clarify the process of technology to market
- Visualize the promise and the problems
- Determine how to go forward
- Foster collaboration
- Empower Albertans
- Promote economic diversification in Alberta



Perry Kinkaide, President of ABCtech

"Demystifying" innovations and advancing the commercialization of Alberta's emerging technologies"



Welcome! Tonight's forum is about the promise of stem cell therapies. The evening is sure to be memorable, maybe even a touch provocative.

Stem cell therapies for treating degenerative disease are in the news - but not without controversy. And many questions linger: Does it work? For whom? Is it safe and affordable? How long do I have to wait? And, What does it mean for the future of health care?

Tonight we hope to help demystify this almost "miraculous" treatment, and in so doing to speed up the safe transport of the technology "from the lab to the bedside."

For the first time anywhere we are bringing together expertise, patient and caregiver representatives for a frank, public dialogue about stem cell therapies. You've heard the promises and maybe even the controversy. Now judge for yourself - what stem cell therapies will mean for you and your family, your profession and the health industry overall.

When the show is over, hang out and mix and mingle with our contributors. Note, at the urging of many, we are broadcasting Edmonton's forum over the Internet to a vast audience across North America.

In closing, I want to personally thank our volunteers, our many sponsors and contributors, who care and believe in you. And a special thanks to BioAlberta and the Canadian Stem Cell Foundation who have cheered us on throughout the development of this production.

Share the vision!

Perry Kinkaide

President - Alberta Council of Technologies

Notes

Marketing Sponsors

Keynote and Moderators



Keynote & Presenter: Robert Burrell



Dr. Robert Burrell is the recipient of this year's Ernest C. Manning Award for his research and development of a specialized bandage that has been described as the biggest breakthrough in wound care in the last 40 years. The prestigious \$100,000 award that supports Canadian innovators was presented to Dr. Burrell in Vancouver on September 18, 2009.

Robert Burrell is the Canada Research Chair in Nanostructured Biomaterials at the University of Alberta and the lead researcher whose team's anticoat silver-coated bandages are credited with saving thousands of lives around the world.

Burrell is the lead inventor for 290 patents and patents pending on the bandages. The company spun out of his research distributes the bandages to more than 40 countries and currently supports more than 100 high-tech jobs in Fort Saskatchewan.

Burrell hopes to push the research further and develop the tiny nanostructured crystals of silver that are incredibly effective against microbial and inflammatory agents that line the inside of his bandages into a solution that can be inhaled for treating lung inflammation.

Panel Moderator: Edmonton



Martin Ferguson-Pell is Professor and Dean, University of Alberta's Faculty of Rehabilitative Medicine

Panel Moderator: Calgary



Allen Davidoff is the Vice President of Product Development, Stem Cell Therapeutics, Calgary

Regenerative Medicine Panelists



Panelist,
Edmonton

Ernst Bergman, PhD is the Director of Business Development for the Biomedical Engineering Research & Results Initiative BERRI. BERRI is an advanced product development centre for health technologies under development. Dr. Bergmann has a research background in structure-based drug design and drug development against infectious diseases. In his previous position Dr. Bergmann represented Alberta in the development of the research facilities at the Canadian Light Source, Canada's National synchrotron radiation facilities and one of the brightest X-ray sources for research in the world.



Panelist,
Calgary and
Edmonton

Paul Flaman, PhD In 1983 Dr. Flaman began teaching in the area of Christian Theology at St. Joseph's College at the University of Alberta. His courses are mainly in the areas of Christian ethics and spirituality including courses in the areas of bioethics, sexuality and marriage, spirituality and the person. In 2001 he and Dr. Heather Looy received a Course Award from Templeton's Science and Religion Course Program for developing a new course called, "Neuroscience, the Person and Christian Theology." Paul Flaman has articles published in the areas of bioethics and also has a book published on this subject entitled: Genetic Engineering,



Panelist,
Edmonton

Janet Fast, PhD

Dr. Fast is a Professor of Human Ecology at the University of Alberta. Dr. Fast researches family and consumer policy issues. She currently co-leads an international multidisciplinary team investigating the juxtaposition of costs and contributions of adults with chronic illness and disability.



Panelist,
Calgary

Jim Hardin, BSc, PhD

Dr. Hardin has over 20 years experience in academics, biotechnology and the financial industry. Jim has a B.Sc. in Zoology and a Ph.D. in Gastrointestinal Physiology and has a broad background in life sciences. He has published over 100 patents, book chapters, full articles and abstracts in the area of gastrointestinal physiology and animal models of infectious disease.

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Panelists Chosen by Patient Associations



Panelist,
Edmonton

Kuen Tang In August of 2001 Kuen became a C6/7 quadriplegic after her vehicle went off of the Coquihalla highway in BC. With the support from her family and husband, Robert, she set out on an interesting journey to complete her University degree and fulfill her dream of becoming a teacher. She became the first quadriplegic female to earn a Bachelor of Education and the first quadriplegic female to earn an Education degree with specialization in Elementary School. She also became the first quadriplegic to do Functional Electrical Stimulation (F.E.S) partnership rowing in North America; to become an Ambassador to the Rick Hansen Foundation and to receive an appointment to the Premier's Council on the Status of Persons with Disabilities. She is also the first quadriplegic to letter comic books for DC Comics. Currently, she works as a Client Service Coordinator for the Canadian Paraplegic Association.



Panelist,
Calgary

Lorell Thoms, BSW/RSW was introduced to Osteoporosis Canada in 1993 when she traveled with the 'Boney Express' across western Canada. She was road manager for four incredible women who walked across Canada to raise awareness for Osteoporosis and witnessed first hand the disabilities and quality of life issues these women encountered. She has since gone back to school, completed her Bachelor of Social Work and worked in the areas of health promotion with AIDS Calgary, AADAC, Corrections Canada and Mount Royal College. As chapter educator, she speaks to community and patient groups about Osteoporosis and represents the national organization throughout the province.



Panelist,
Edmonton

Sharlene Wyness has been a Caregiver for more than 50 years. As a child she cared for her brother who, after a childhood illness, was left with a physical and mental disability. She became head of the household at the age of 16 when her father passed away. Newly married, Sharlene and her husband adopted a baby girl who, at the age of ten months, was diagnosed with Cerebral Palsy (Spastic Quadriplegia). Her daughter is now a very bright 32 year old who is still living in the family home. Sharlene cared for her mother who passed away aged 95 and currently shares in the care of her 90 year old mother-in-law, who has Alzheimer's.



Panelist,
Calgary

Linda Welch All Saints Eve" 1992, 33 year old Linda Welch was happily married, the mother of three small children, and a busy reporter for a newspaper in rural Alberta when she was paralysed in a MVA. Seventeen days later she recalls being a less than gracious patient at The Glenrose Rehabilitation Centre in Edmonton. Welch was introduced to Guy Colombe and the Canadian Paraplegic Association, (CPA) and her road to recovery began in earnest. Through her peer association with Guy, she gained a certain respect for the value of her peers and now participates in the peer program in Calgary where she explores the multi levels of accessibility a city has to offer. She has since returned to University to complete a degree in English. Seventeen years post injury, a regular contributor to The Alberta CPA Publication, "Spinal Columns", Welch is participating in the Forum with concerns toward quality of life, time expectations, and cost recovery.

Regenerative Medicine Panelists



Panelist,
Calgary and
Edmonton

Lee-Ann Langkaas LPN,CCRP

Phase I Clinical Research Manager, Northern Alberta Clinical Trials and Research Center. Lee-Ann oversees Phase I protocol management including protocol feasibility, HREB submissions, research study implementation and all related organizational administration. She supervises patient recruitment and tracks all subject follow-up in a variety of research studies. She dispenses study medication, oversees data collection, performance testing, and strictly monitors interactions between subjects, test groups, physicians and research companies to maintain protocol integrity.



Panelist,
Calgary

Debra Marshall, PhD, MHSA

Canada Research Chair in Health Services and Systems Research and Associate Professor in the Department of Community Health Sciences, University of Calgary. As a health economist, her research programme is focused in the areas of measuring patient preferences, pharmacogenomics, cost-effectiveness analysis and system modeling as a tool to inform health policy decisions in cancer and musculoskeletal disease.



Panelist,
Calgary

Derrick Rancourt, PhD is an Assoc. Professor in the Depts. of Oncology, Biochemistry & Molecular Biology and Medical Genetics. Dr. Rancourt postdoc'd in the laboratory of Nobel Laureate Dr. Mario Capecchi. He is the establishing director of the University of Calgary's Embryonic Stem Cell Facility and until recently, Graduate Coordinator of the Master of Biomedical Technology program. He is a member of the Canadian Stem Cell Network and the Treasurer of the Genetics Society of Canada. He sits on the NIH Genes, Genetics and Genomics Study Section. His research program is related to the derivation, expansion and differentiation of pluripotent stem cells.



Panelist,
Edmonton

Bernard Thebaud, PhD is an Associate Professor of Pediatrics at the University of Alberta and staff Neonatologist in the Northern Alberta Neonatal Program. Dr. Thébaud studies the mechanisms underlying lung development, injury and repair. This is relevant to life-threatening and debilitating lung diseases, the 3rd cause of death around the world. Dr. Thébaud's main focus is to test the therapeutic potential of stem cell based therapies in pre-clinical animal models and to facilitate the translation of these medications to patients. Dr. Thébaud holds a Tier 2 Canada Research Chair and is a Clinical Scholar of the Alberta Heritage Foundation for Medical Research (AHFMR). Dr. Thébaud is also a member of the Canadian Stem Cell Network.

Regenerative Medicine Panelists



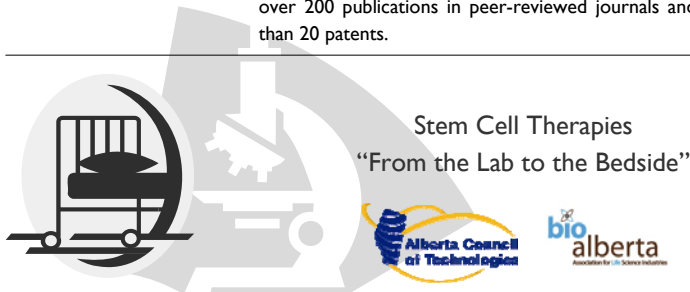
Panelist,
Calgary

Ivan Sierralta, PhD has been the Director of the business networking and cluster development team for Calgary Technologies Inc. since 2007 and concurrently directed CTI's Financing Your Vision Program while managing the Southern Alberta Deal Generator. He works extensively with non profit groups and participates on the boards of technology sector organizations. He dedicates a great part of his spare time to teaching for charitable organizations such as the Canadian Association for disabled Skiing and the Calgary Snowboard Club.



Panelist,
Edmonton

Randy Yatscoff, PhD, AHFMR Executive in residence at TecED for the past two years with a sector focus on Life Sciences. During Dr. Randall Yatscoff's 10-year tenure with Isotechnika, he was part of an executive team that raised close to \$200 million through various equity financings. Isotechnika began as a spin-off company from the Uof A. He is currently chair of a number of corporate boards in the private sector. Prior to joining Isotechnika in 1996, Dr. Yatscoff spent 16 years in academic appointments most recently at the UofA where he retains a position as Adjunct Professor in the Faculty of Medicine. He has over 200 publications in peer-reviewed journals and holds more than 20 patents.



Panelists chosen by Patient Associations



Panelist,
Edmonton

Roger Breault is a successful entrepreneur. In spite of his muscular dystrophy, he owns and operates two businesses: The Speakers' Bureau of Alberta® and Fund Raising Consultants of Alberta®. There are over 100 forms of muscular dystrophy; all are genetic and characterized by a steady weakening of muscles. MD is considered incurable, however Roger points to recent studies in Italy that show that stem cells can stop and even reverse the disease. As a volunteer, Roger is a Trustee of the Edmonton Public Library, Secretary of Tomorrow Foundation for a Sustainable Future and Past- President of the Edmonton Chapter, Muscular Dystrophy Canada. Roger is bilingual and has a Masters degree. Two of his three children have MD.

Panelists chosen by Patient Associations



Panelist,
Calgary

Jackie Bodie is a former engineering technologist who was diagnosed with Parkinson's disease at the age of 33. Since her diagnosis, Jackie has become actively involved in organizing retreats and conferences intended to provide support for people living with Parkinson's. She believes knowledge is the key to coping successfully with chronic illness, and her main interest focuses on educating herself and others affected by Parkinson's disease. In the 6 years since her diagnosis, Jackie has seen remarkable advancements in the area of stem cell research and despite the complexities of today's chronic illnesses, she believes that stem cell science will inevitably reshape the future of mainstream medicine. Jackie currently lives in Calgary with her husband and 2 boys.



Panelist,
Calgary and
Edmonton

Bill Gaudette is currently the Chief Executive Officer (CEO) of the Alzheimer Society of Alberta & Northwest Territories in Edmonton. He has over two decades of involvement in community, not-for-profit organizations in a variety of staff and volunteer positions. Bill holds Bachelor of Laws and Master of Education degrees from the UofC and a Bachelor of Arts from Concordia University (Montreal). He is also a Registered Psychologist in Alberta and lives in Edmonton with his wife, Kerry, and their twin boys.



Panelist,
Edmonton

Joyce Pinckney has played several roles in her life's drama: A little farm girl in Wiseton Saskatchewan, a student at UofS in Saskatoon, then a Registered Nurse at Royal University Hospital. The wife of a lawyer, the mother of two girls and a boy, music teacher and batik artist. Continuing on to fun and fame in Edmonton as a belly dancing performer/teacher, jazz teacher, poet, author and composer. Finally, a reluctant player in the cast of Parkinson Disease. Until the last one, the roles were her choice; but by far the most challenging is this one chosen for her. The skills and qualities she has developed: ability to study, do research, be a "forever learner", draw on enthusiasm, creativity and sense of humor, are valuable tools. To have a passion; whether for sport, art, music, people or life's joys, is what keeps us going.



Panelist,
Edmonton

Audrey Smith is a breast cancer survivor who attributes her cure 32 years ago, against significant odds and a year of grueling chemo to acceptance, optimism, determination, and faith. Audrey, now a senior, has had hip replacement surgery and is currently challenged with macular degeneration and other age related health conditions. Audrey, is still active in her volunteer work with organizations such as the Cancer Society, Kidney Foundation, Jelniek House as a former Board member and in voluntary administrative roles with the United Church of Canada where she now focuses her time dealing with social injustice and poverty issues in collaboration with the Bissell Centre. She is proud that her survival is a beacon of hope to those newly diagnosed with Cancer.