

NATIONAL BIOSCIENCE EDUCATORS CONFERENCE

FEBRUARY 16th to 18th

RED RIVER COLLEGE PRINCESS STREET CAMPUS

WINNIPEG

FEBRUARY 16th

5:00 p.m.	Registration	
6:00 p.m.	Welcome to the Conference	Dr. Alison Symington, Executive Director, Bioscience Education Canada
	Welcome to Red River College	Jeff Zabudsky, President, Red River College
6:10 p.m.	Dinner	
6:40 p.m.	Keynote – Biotechnology and Humanity's Critical Survival Issues	Allen Sturko, Industrial Technology Advisor, National Research Council Industrial Research Assistance Program
7:00 p.m.	Teacher BioOlympics	Jonathon Frate, Director, Membership Services Life Sciences Association of Manitoba
9:00 p.m.	Review of Conference Program	Dr. Alison Symington
9:15 p.m.	Closure	

February 17th

7:30 a.m.	Registration and Coffee	
8:10 a.m.	Depart for National Microbiology Laboratory	
8:30 a.m.	Opening Remarks	Dr. Alison Symington
	Welcome to National Microbiology Laboratory	Public Health Agency of Canada

8:45 a.m.	Overview of National Microbiology Laboratory	Joy Stadnichuk, Community Liaison Program officer
	Epidemiology	Carole Beaudoin, Tammy Stuart
	Genome Sequencing	Morag Graham
	Video Tour of Level 4 Facility	
	Student Programs	Monique Smith, Human Resources
10:00	Depart for Tours	
	Group 1 – Composites Innovation Centre, Richardson Centre for Functional Foods and Nutraceuticals	
	Group 2 – Youth Biomedical Laboratory, Niji Mahkawa School,	
	Group 3 – Institute of Biodiagnositcs, National Research Centre,	
Noon	Lunch	
12:45 p.m.	Keynote – Use of Video Games in Education, Dr. Reyn Redekopp, Faculty of Education, University of Manitoba	
1:15 p.m.	Concurrent Sessions	
	Video Games Lab	
	Genomics in the Classroom	
	Agricultural Biotechnology in the Classroom	
	Microarrays in the Classroom	
2:00 p.m.	Concurrent Sessions	
	Video Games Lab	
	Biotechnology in the Middle Years Classroom	
	Biotechnology Teacher and Student Opportunities	
	Laboratory Skills for Biotechnology	
2:45 p.m.	Break	
3:15 p.m.	Slot 3 Sessions	
	Biotechnology Teacher and Student Opportunities	
	Genomics in the Classroom	
	Laboratory Skills for Biotechnology	
	Microarrays in the Classroom	

- 4:00 p.m. Closure
- 6:00 p.m. Dinner and a Movie sponsored by Genome Prairie
"Biotechnology: The Big Picture".
- Greetings, Manitoba Innovation, Energy and Mines, Province of Manitoba
- 7:00 p.m. The film *The Score* is based on a theatrical play that explores the world of genetic science. The work was commissioned by Dr. Michael Hayden of Vancouver's Centre for Molecular Medicine & Therapeutics and is based on daily activities of genetic researchers who work in a discovery-laden laboratory.
- The *Score* examines the essential irony of genomic and proteomic research: that while we are able to understand more about our genetic composition, do we really want to know all of that information, especially if it indicates a predisposition to disease or other negative consequences?
- 9:00 p.m. Closing remarks.

February 18th

- 800 a.m. Registration
- 8:30 a.m. Open Remarks
Greetings, Manitoba Education, Province of Manitoba
- 8:45 a.m. Keynote - The Promise of Agricultural Biotechnology**
- 9:15 a.m. Tours
Group 1 – Composites Innovation Centre, Richardson Centre for Functional Foods and Nutraceuticals
Group 2 – Youth Biomedical Laboratory, Niji Mahkawa School,
Group 3 – Institute of Bidiagnosis, National Research Centre,
- 10:30 Concurrent Sessions
OneNote – Technology of the Science Journal
Careers, Knowledge and Skills in the Biotechnology Sector
Dreaded Red: Simulation of an Epidemic
ENGAGE: The Science and Bioethics of Stem Cell Research
- 11:15 Concurrent Sessions
Arlington High School's BioSmart Program
ENGAGE: The Science and Bioethics of Stem Cell Research
Dreaded Red: Simulation of an Epidemic
- Noon Lunch

- 12:45 Keynote To be determined
- 1:15 Teacher Round Tables
Educators who have developed their own biotechnology lessons will be on-hand to share their work. There will be three, 20 minute sessions presenting 10 topics. These lessons have been developed for and in the classroom.
- 2:30 Break
- 2:45 Teacher Interest Groups
Time has been set aside for educators to meet others with similar interests who are interested in continuing to share ideas, knowledge and programs. Among the groups will be the following: Elementary Teachers, Middle Years Teachers, Agricultural Biotechnology, Biomaterials and Biocomposites, BioFuels, Functional Foods and Nutraceuticals.
- 3:15 Closing Remarks