

BIOSCIENCE EDUCATION CANADA

Volume 2 Issue 1

Upcoming Events/ Save the Dates

March 8-9, 2011

National Bioscience Educators
Conference – Toronto
Centennial College (Morningside
Campus)

For further information, check
[http://bioscienceeducation.ca/coming-
events/](http://bioscienceeducation.ca/coming-events/)

April 19 and 20, 2011

TBI Lecture Series and Merck Frosst
Exploring Minds Workshop – Ryerson
University, Toronto

For further information, check
[http://bioscienceeducation.ca/coming-
events/](http://bioscienceeducation.ca/coming-events/)

April 19-21, 2011

SABC (Greater Toronto Area)
Competition at Ryerson University and
award ceremony at MaRS

For further information, check
[http://sanofibiotalentchallenge.ca/compet-
itions/regions/greater-toronto/](http://sanofibiotalentchallenge.ca/competitions/regions/greater-toronto/)

May 8-10, 2011

National SABC Competition and
Awards - Ottawa
NRC Headquarters

Bioscience Education Canada (BEC) is
the national coordinating organization
for the Sanofi Aventis BioTalent
Challenge.



**Finalists of the SABC 2010 National
Competition in the main auditorium of the
National Research Council Canada building.**

BEC is a national non-profit charitable
organization with a mandate to improve
the quality of bioscience education in
Canadian schools and encourage more
young Canadians to pursue studies and
careers of Canada's growing bio-
economy.

Become an Associate of BEC

For only \$30 CDN, you can become an
associate of BEC to have access to web
casts of lecture series, curriculum
modules and field testing opportunities
for new resources as well as obtaining
discounts to BEC-hosted events. Visit
www.bioscienceeducation.ca for details.

New video clips available to BEC
associates include presentations from;
the National Bioscience Educators'
Conference 2010 (Winnipeg) and
The Biotechnology Initiative Lectures
2010 (Toronto)

For more information please visit our website, www.bioscienceeducation.ca or
email info@bioscienceeducation.ca

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A partial list of videos for viewing includes;

- “The Promise of Agricultural Biotechnology”- Dr. Mary Alton Mackey, (International Food Consultant)
- “The key to endurance performance and health: the mitochondrial powerhouse of muscle” – Dr. David Hood (York University)
- “Use of Serious Games in Education” – Dr. Reyn Redekopp, (University of Manitoba)
- “DNA testing and the secret lives of birds” – Dr. Bridget Stutchbury (York University)
- “Stem cell based therapies and technologies for regenerative medicine” – Dr. Jean Wang (University Health Network)
- “Genomics in the Classroom” - Doug Gajic, (Centennial Collegiate and Vocational Institute, Guelph)

Visit www.bioscienceeducation.ca for more titles.

Opportunities for you and your students

Teacher Training Workshops/Biotechnology Toolbox

BEC is negotiating with several Boards of Education to establish 3-day workshops in biotechnology and to replicate the successful Biotechnology Toolbox Program that is

available to teachers of the York District School Board. Watch the BEC website for News

Sanofi Aventis BioTalent Challenge

The Sanofi Aventis BioTalent Challenge gives students a real life experience in a laboratory setting. Students write proposals and are matched with mentors in the scientific community. Generously supported by sanofi aventis, sanofi pasteur, BioTalent Canada, NRC, CIHR, CFI and Genome Canada, this challenge is open to all Grade 9 to Grade 12 students across Canada. The 2011 competition is well underway. Contact your local coordinator to see how you can get your students involved. Find information about your local competition at <http://sanofibiotalentchallenge.ca/>

National Bioscience Educators' Conference March 8-9, 2011

Join us for the fifth annual National Bioscience Educators Conference to be held at the Morningside campus of Centennial College in Scarborough. The purpose of the conference is to update teachers on topics and activities in bioscience that can be used to enrich their classroom presentations. Facility tours of academic and industry laboratories are planned.

Topics to be covered in lectures and/or workshops include but are not limited to; synthetic biology, techniques in mouse genomics, DNA barcoding of natural health products, biomaterials for use in

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automobiles, microarrays, RNA interference (RNAi) techniques, forensic technologies.

Confirmed speakers come from the Hospital for Sick Children, Trent University, the Toronto Centre for Phenogenomics, Metro Toronto Zoo, Spongelab Interactive, University of Waterloo, the Biodiversity Institute of Ontario, The University of Ontario Institute of Technology, the Ontario Genomics institute, Centennial College and award winning teachers from four different boards of education.

The conference will be hosted and organized by Centennial College (Morningside and Bioscience Education Canada. Please visit www.bioscienceeducation.ca for further details and to see how associates of BEC receive a reduced conference registration fee.

Hands-on Green Mining Experience for Canadian high school students at McMaster University

Twelve students from various regions across the country were treated to a one week internship at McMaster University in June 2010, where they did research on the use of microbes to remove metals from water such as found in mine tailing ponds. The scientific research camp was funded through the RBC Water and Health Initiative with in-kind support from McMaster University and BEC.

National Biotechnology Week Student Forum on Public Policy Development (Biotechnology)

Twenty students from various schools in Toronto attended this event at MaRS on September 22. The program was instructive in how legislation is drafted and refined at both the provincial and federal levels. Several researchers presented on current and future issues in biotechnology.

Gowlings Biotech Essay Contest on “Canada’s Top Biotechnology Story of the Year”

This competition is open to all Canadian high school students who plan on starting their first year at a Canadian post-secondary institution in a life sciences-related field in the 2010. First prize is a bursary of up to \$5000 toward their first year of tuition. The entry deadline is May 31, 2011. For further information, go to www.gowlings.com/essay

Amgen continues to recognize teaching excellence through its Amgen Teacher Award

The Amgen Award for Teaching Excellence (AASTE) recognizes and honours extraordinary science teachers at the K-12 level in British Columbia, Alberta, Ontario and Quebec. The application deadline is in February 2011. For more details, please see <http://www.amgen.com/citizenship/aaste.html>

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