



You are invited to attend
the Annual General Meeting, Dinner and Lecture of the
Nova Scotian Institute of Science

Monday, May 6, 2013

Great Hall, University Club, Dalhousie University
6259 Alumni Crescent, Halifax, Nova Scotia

Schedule of Events

- 5:00pm 152nd Annual General Meeting of the NSIS
6:00pm Dinner
7:30pm After-dinner public lecture by Dr. Sean Myles, Dalhousie University

Meal Selection Form

Please select your choice and number of meal(s) by filling in the cost in the spaces below. Each meal includes salad, dessert, and tea or coffee (price includes tax and gratuity). You also have the OPTION to pay your 2013-2014 NSIS dues in advance:

1. Chicken, \$46.00 _____
2. Salmon, \$46.00 _____
3. Vegetarian, \$46.00 _____
4. Optional advance payment of 2013-2014 dues (\$30.00) _____

Total Amount: \$ _____

Do you have any special dietary needs?

.....

Please PRINT your name: _____

Your guest's name: _____

Please mail this form and your cheque, made out to the NS Institute of Science to:

Treasurer, Nova Scotian Institute of Science
c/o Reference and Research Services, Killam Memorial Library,
6225 University Avenue, PO Box 15000,
Halifax, Nova Scotia, Canada B3H 4R2

The DEADLINE for the receipt of payment for the banquet is Friday 12th April 2013, as the banquet venue requires adequate notice to prepare for this event.

NSIS Public Lecture

Sex-Deprived Fruit:

How a Lack of Breeding Threatens our Food's Future
And How Genomics Can Help Fix the Problem

Speaker: Dr. Sean Myles

Faculty of Agriculture, Dalhousie University
Canada Research Chair in Agricultural Genetic Diversity

Monday, May 6, 2013

7:30pm

Great Hall, University Club, Dalhousie University

This lecture will be open to the public.

All are welcome to attend!



We recently celebrated the 200th anniversary of the McIntosh apple. But is such an anniversary a reason for celebration or a reason for despair? While pathogens continue to evolve and exert pressure on McIntosh, it has remained genetically identical for 200 years because we continue to propagate it clonally year after year. Many of our fruit crops, including apples and grapes, are sex-deprived: they have experienced very little sex over the past few thousand years due to the practice of clonal propagation. Sex is the only way to generate novel combinations of traits. We need breeders to continue to generate novel genetic combinations that are tasty, high-yielding and require less chemical input to grow. If we want sustainably grown food in the future, it is essential that we support long-term breeding efforts that make use of all of the information available, including DNA sequences. This talk will focus on how we use genetic information to make breeding more efficient and cost-effective so that we can produce tasty fruit that requires less chemical input. The research performed here in Nova Scotia by Dr. Myles and his collaborators aims to generate new apple and grape varieties that promote environmental and economic sustainability.

Photo credit: "Wine Grape Production" <http://growingnovascotia.ca>