

**2017 INTERNATIONAL WORKSHOP ON ENVIRONMENTAL GENOMICS:  
TRANSITIONING TO REAL-WORLD APPLICATIONS FOR ENVIRONMENTAL CHARACTERIZATION AND  
MONITORING**

St John's, Newfoundland, Canada  
June 8<sup>th</sup> and 9<sup>th</sup>, 2017

Environmental characterization and monitoring requires access to different levels of biological information – from cells to whole ecosystems. This wide range of organizational levels has traditionally required the use of diverse methods of observation from the use of trapping and other invasive sampling approaches to toxicological / physiological tests on individual organisms or across populations and communities.

When considered at the spatiotemporal scale required for meaningful environmental monitoring applications, conventional technologies are not fully capable of addressing stakeholder needs. As such, the desire to acquire better tools for gaining biological information in environmental characterization has been relayed by stakeholders from academic institutions, regulatory agencies, and various industries.

The first International Workshop on Environmental Genomics held in June 2016 in St John's, Newfoundland showcased challenges inherent in environmental characterization and monitoring, and provided an overview of the state of science and technologies involving environmental genomics. This second workshop will focus on transitioning from academic exercises to real-world applications, where environmental genomics tools must go through various checks and balances to be able to produce data at the scale and standards required in various environmental characterization and monitoring scenarios.

The unique blend of participants from academia, industry, and government will have an opportunity to share their experiences, brainstorm, and develop plans for collaborative projects to address the challenge of transitioning the applications of environmental genomics to real-world situations.

This 2-day workshop is organized and sponsored by ExxonMobil Upstream Research Company, Petroleum Research Newfoundland-Labrador, and Genome Atlantic.

To confirm your participation, please complete and return the [Registration Form](#) on Page 2. The draft workshop agenda may be found on Page 3 and hotel information is provided on Pages 4-5.



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**Registration Form**

First and Last Name:

Email Address:

Company/Affiliation:

Phone:

Address:

State/Province:

Postal/Zip Code:

**I will be attending (Please select all that apply):**

*\*See workshop and social event agenda on page 3*

Optional Social Activity (complimentary) – O'Brien's Boat Tour – June 7<sup>th</sup>

Workshop Day 1 - June 8<sup>th</sup>

Day 1 Reception – June 8<sup>th</sup>

Workshop Day 2 – June 9<sup>th</sup>

**I will need a formal letter for visa application and/or entry into Canada:**

Yes

No

**Please indicate food allergies or other requirements:**

**Please e-mail or fax your registration form to:**

Petroleum Research NL

Attention: Matilda Maddigan

Tel: +1-709-738-7916

Email: [matilda.maddigan@petroleumresearch.ca](mailto:matilda.maddigan@petroleumresearch.ca)

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*Agenda - DRAFT*

**WEDNESDAY, JUNE 7<sup>th</sup> 2017 – Social Activity – Complimentary (*Optional*)**

13:00 – 17:00 Two-hour Award Winning Boat Tour with O'Brien's - Sail to the Witless Bay Ecological Reserve, home to the largest Atlantic Puffin colony in North America along with millions of other seabirds. Visitors may also catch a glimpse of our humpback whales as they play along our shores!

**THURSDAY, JUNE 8<sup>th</sup> 2017 – The Rooms – 9 Bonaventure Avenue – 'Theatre' – Level II**

08:00 – 08:30 *Arrival and Breakfast*

08:30 – 09:00 Welcome & Introductions

09:00 – 11:00 SESSION 1 – State of the Science

11:00 – 11:30 Discussion Session 1

11:30 – 12:30 *Lunch Break*

12:30 – 15:00 SESSION 2 – Applications in industry and regulatory perspective

15:00 – 15:30 Discussion Session 2

15:30 – 16:00 *Snack Break*

16:00 – 17:00 SESSION 3 – Developing guidelines for mainstream applications

17:00 – 17:30 Discussion Session 3

17:30 – 18:00 Day 1 Wrap-up

18:00 – 20:30 *Reception – The Rooms – Level III Atrium*

**FRIDAY, JUNE 9<sup>th</sup> 2017 – The Rooms – 9 Bonaventure Avenue – 'Theatre' – Level II**

08:00 – 08:30 *Arrival and Breakfast*

08:30 – 09:00 Open forum questions

09:00 – 11:00 SESSION 4 – Challenges and opportunities

11:00 – 11:30 Discussion Session 4

11:30 – 12:30 *Lunch Break*

12:30 – 15:00 SESSION 5 – The environmental genomics consortium

15:00 – 15:30 Discussion Session 5

15:30 – 16:00 *Snack Break*

16:00 – 17:00 Workshop Wrap-up

17:00 Adjourn



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**HOTEL INFORMATION FOR THE 'DOWNTOWN ST. JOHN'S' AREA**

Please note that a block of rooms has been secured at the following 'downtown' hotels. It is recommended that you book your accommodations as soon as possible. Should you wish to reserve a room, please contact the hotel at the reservations telephone numbers listed below and reference 'booking group' **Petroleum Research NL**.

**JAG Boutique Hotel**

[www.steelehotels.com](http://www.steelehotels.com)

115 George Street West

St. John's, NL

Local Reservations Telephone Number: + 1 709 738 1524

Confirmed Room Rate: CAD\$177.00 per night (king room) & CAD\$249.00 per night (king suite)

Dates being held: June 7<sup>th</sup>, 2017 to June 10<sup>th</sup>, 2017 (4 nights)

*Canada Select Hotel Rating: 4.5 stars*

**Sheraton Hotel Newfoundland**

[www.sheratonhotelnewfoundland.com](http://www.sheratonhotelnewfoundland.com)

115 Cavendish Square

St. John's, NL

Local Reservations Telephone Number: + 1 709 726 4980

Confirmed Room Rate: CAD\$224.00 per night (standard room)

Dates being held: June 7<sup>th</sup>, 2017 to June 10<sup>th</sup>, 2017 (4 nights)

*Canada Select Hotel Rating: 4.5 stars*

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