



Biodiversity Seminar Series

The Biodiversity Seminar Series is pleased to announce
Nataly Ivanova, Lead DNA Scientist at
Canadian Centre for DNA Barcoding, University of Guelph
presenting the talk
Core NGS Projects – Client-driven Research

Abstract:

Since acquisition of the Ion Torrent PGM in 2013 the CCDB was involved in a wide spectrum of NGS projects, most of which were inspired by clients and collaborators. The presentation topics will cover: minimizing PCR bias in biodiversity assessments; metagenomics of art objects; monitoring and assessing toxigenic algal blooms and bacterial community composition for improved ecosystem management in Great Lakes; eDNA applications for biomonitoring of fish; and authentication of herbal supplements.

Brief Bio:

In 2004 Nataly joined the Hebert laboratory and contributed to the development of cost-effective high throughput barcoding protocols and the integration of robotics into the analytical chain. She currently oversees automation, core lab troubleshooting, forensic projects and practical applications for Next Generation Sequencing at the Canadian Center for DNA Barcoding. Nataly received her Ph.D. in Molecular Biology from Lomonosov Moscow State University in 1998. Most of her Ph.D. data on the molecular systematics of lichens was gathered at the NMNH, Smithsonian Institution. She perceives herself as an Application Scientist with a very simple philosophy: DESIGN – IMPLEMENT – MAINTAIN.

When: Thursday January 21st 2016 at 12:00 pm

Where: Visualization Theatre, Room 1009
Biodiversity Institute of Ontario

For scheduling and more information on the seminars, please visit:
<http://biodiversity.ca/seminar.html>

