



# KEEP CALM AND CARRY A PIPETTEMAN

THE MICHAEL SMITH LABS PRESENT OUR

## MOLECULAR BIOLOGY WORKSHOP

2019 Winter Session *University of British Columbia, Vancouver, Canada.*

ONE WEEK VERSION - MOLECULAR BIOLOGY WORKSHOP

February 18th to 22nd, 2019 (CAN\$1500)

**DESCRIPTION:** This intense 5 day workshop will focus on a myriad of different techniques used in the molecular manipulation of DNA, RNA and protein, as well as inclusion of lectures of high throughput genomic techniques. Primarily aimed at researchers who are new to the area, familiar but require a quick updating, or would like more practical bench training.

Hands on techniques covered include: *Various nucleic acid purification methodologies (silica bead, organic, and/or pl based), restriction digests, ligations, dephosphorylation assays, agarose gel electrophoresis, transformation (including electroporation), PCR, reverse transcriptase assay, real time qPCR, SDS-PAGE, Western blot analysis, Isoelectric focusing strips, and 2D protein gels. This also includes theoretical and hands-on work on Next Gen Sequencing (using an Ion Torrent set up).*

To register or inquire about the workshop, please contact Dr. David Ng at [db@mail.ubc.ca](mailto:db@mail.ubc.ca) or 604-822-6264. More information can be found at [bioteach.ubc.ca/portfolio/professional-courses/](http://bioteach.ubc.ca/portfolio/professional-courses/)

### RECENT REVIEWS:

*"Amazing! I come from a background of no former lab experience and the way that everything was explained was so helpful and easy for me to absorb! Really enjoyed the way the class was structured with a mix of lab and lecture throughout the day."*

*Melanda Danenhower, Research Technician, Summerland Research and Development Centre.*

*"A lot of very relevant information. Incredibly organized, considering all labs and lectures were condensed into a one week time frame. Very well delivered content."*

*Michael Morgan, Graduate Student, University of British Columbia Okanagan*

*"I really enjoyed the workshop! Time was used really well to maximize the number of experiments. Games were an excellent way to break up the routine, interact with the rest of the group and be pushed to think about relevant topics. Space and equipment were also adequate. Just a great experience overall!"*

*Alice Garani, Scientific Research Technician, Terramera.*