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THE MICHAEL SMITH LABS PRESENT OUR

## MOLECULAR BIOLOGY WORKSHOP

2017 Spring Session *University of British Columbia, Vancouver, Canada.*

ONE WEEK VERSION - MOLECULAR BIOLOGY WORKSHOP

February 20th to 24th, 2017 (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:

“The course was great! Dave’s teaching style was amazing for conveying the concepts behind the steps in kits and methods. As a result of this course, I feel my understanding of these molecular techniques has been greatly deepened.”

*Alex Montgomery, Microbiologist, Canadian Food Inspection Agency.*

“An outstanding course (from someone who normally thinks most courses and workshops are a waste of time). Excellent for someone moving from physics or chemistry into molecular biology who wants hands on laboratory technique familiarity. Excellent teaching, great lab support, and good content.”

*Thomas Clark, Ph.D Student, Department of Biochemistry, University of British Columbia.*