



KEEP  
CALM  
AND  
CARRY  
A  
PIPETTEMAN



THE MICHAEL SMITH LABS PRESENT OUR

## MOLECULAR BIOLOGY WORKSHOP

2016 Spring Session *University of British Columbia, Vancouver, Canada.*

ONE WEEK VERSION - MOLECULAR BIOLOGY WORKSHOP

April 4th to 8th, 2016 (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 April session will also include new theoretical and practical content on Next Gen Sequencing (Ion Torrent set up will be used in class).*

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](http://bioteach.ubc.ca)

### REVIEWS FROM PREVIOUS SESSIONS:

“This workshop is perfect for both scientists who are new to molecular biology, as well as scientists who want a refresher. Dave has a unique ability to explain every method in a logical way. The atmosphere is absolutely amazing in the workshop. I strongly recommend this course.”  
*Søs Skovsø, Postdoctoral Fellow, Department of Cellular and Physiological Sciences, University of British Columbia.*

“An excellent course that came highly recommended. David is a highly engaging teacher who has taken the time and effort to use all of those teaching engagement techniques that we know are good practice, but are rarely able to accommodate. It is a high intensity course, but I was engaged for the entire length!”  
*Anthony Fairbanks, Professor and Head, Department of Chemistry, University of Canterbury, NZ*