



KEEP CALM AND CARRY A PIPETTEMAN

THE MICHAEL SMITH LABS PRESENT OUR

MOLECULAR BIOLOGY WORKSHOP

2018 Spring Session *University of British Columbia, Vancouver, Canada.*

ONE WEEK VERSION - MOLECULAR BIOLOGY WORKSHOP

February 19th to 23rd, 2018 (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 or 604-822-6264. More information can be found at bioteach.ubc.ca/portfolio/professional-courses/

RECENT REVIEWS:

"This was a great course for getting a broad overview of many of the major strategies used in modern molecular biology. In particular, it is a great way to get over the energy barrier of using these techniques. It was a nice balance of theory and practical application of techniques."

John Hanson, Professor of Chemistry, University of Puget Sound.

"This comprehensive workshop does an excellent job in describing the key tools used in molecular biology studies today. The course is exceptional in that Dave describes the key trouble shooting for a given experiment, the major variables, and the variety of options that are available to address a given interest for DNA, RNA, or protein."

Cindy Ewald-Smidt, Clinical Oncology Specialist, California

"Amazing class. Lecture is nicely spaced out with hands on lab work. Instead of following protocols blindly and just accepting that it works, the lectures really focused on helping us understand why it works and why we use certain reagents. Definitely going to help my confidence in my Master's program (and in the lab)."

Madeline Angus, Graduate Student, Simon Fraser University.