



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

June 17th to 21st, 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 or 604-822-6264. More information can be found at bioteach.ubc.ca/portfolio/professional-courses/

RECENT REVIEWS: (FROM FEBRUARY 2019)

"This course is great for all backgrounds and levels of knowledge about molecular biology. Dave artfully and thoughtfully explained procedures so that even the most complicated ones become simplified. I also appreciated how often Dave summarized what was done and what needed to be done in a particular procedure: it really brings home the points he is trying to make!"

Paige Munro, Research Technician, Summerland Research and Development Centre.

"Good amount of information and hands on practice. It is a good place to start to feel comfortable and familiar with this type of lab environment, and learn what is happen behind the curtains."

Mariana Pascual, PhD Candidate, Department of Botany, University of British Columbia

"Great workshop! Well covered topics. I really enjoyed it, and it also adds a lot to my molecular experience. Well organized and a lot of activities and also fun! Thank You!"

Mohamed Fouad, Postdoctoral Fellow, Department of Biomedical Physiology and Kinesiology, Simon Fraser University