



KEEP CALM AND CARRY A PIPETTEMAN

THE MICHAEL SMITH LABS PRESENT OUR

MOLECULAR BIOLOGY WORKSHOP

2014 Summer Session *University of British Columbia, Vancouver, Canada.*

ONE WEEK VERSION - MOLECULAR BIOLOGY WORKSHOP

July 28th to August 1st, 2014 (CAN\$1400)

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. Lectures on next-gen sequencing, SNPs, microarrays, bioinformatic tools.*

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

REVIEWS FROM PREVIOUS SESSIONS:

"Really good workshop!! Dave really does an amazing job explaining all different laboratory experiments and the theories behind them. The workshop gives a very good overview from both a theoretical and practical point of view of the main molecular biology protocols and procedures. Very good to refresh general concepts if you have experience, or to gain exposure if you are not familiar with molecular biology."

Jose Damon Urbez Torres, Research Scientist, Agriculture and Agri-Food Canada

"It is a very informative workshop with balanced theoretical and practical sections. The environment is a great combination of serious/fun/relax which suited me very well. GREAT JOB!"

Silvia Heredia, Postdoctoral Fellow, Department of Botany, University of British Columbia.