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THE MICHAEL SMITH LABS PRESENT OUR

MOLECULAR BIOLOGY WORKSHOP

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

ONE WEEK VERSION - MOLECULAR BIOLOGY WORKSHOP

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

RECENT REVIEWS:

"I thoroughly enjoyed this workshop. I learned lots and brushed up on my knowledge and techniques. I also learned "how to teach" and look forward to better communicating how these techniques work. Dave made it fun and engaging! The week was intense but went by really quickly."

Nikita Burke, Postdoctoral Fellow, The Hotchkiss Brain Institute, University of Calgary

"Excellent! For someone with very little background in molecular biology, I was able to follow everything in this workshop. Techniques that were a mystery to me were made clear. Now I understand why people use these techniques and what these outputs mean."

Christine Weilhoefer, Assistant Professor, Department of Biology, University of Portland.

"This is a great course on molecular biology! I feel more confident about my knowledge of different techniques and ability to troubleshoot. It solidified a lot of my theoretical understanding."

Jessica Lu, Research Program Manager, GenomeBC.