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THE MICHAEL SMITH LABS PRESENT OUR

## MOLECULAR BIOLOGY WORKSHOP

2020 Spring Session *University of British Columbia, Vancouver, Canada.*

ONE WEEK VERSION - MOLECULAR BIOLOGY WORKSHOP: **March 2nd to 6th, 2020 (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, AMPure, 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. Next-gen sequencing procedures covered include library prep and Ion Torrent, and MinION Nanopore devices.

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/mb-workshops/](http://bioteach.ubc.ca/mb-workshops/)

### REVIEWS FROM LAST WORKSHOP:

"Very intense workshop. Dave went from basic to very detailed concepts. We did a lot of labs from PCR to NGS. Enjoyed and learned a LOT. Coming from a very basic knowledge in molecular biology, I am taking back tons of information."

*Sona Kumar, Assistant Professor, LSU Alexandria, Dept of Allied Health.*

"Very good course. I learned a lot of new techniques and also tips and tricks for techniques I have previously used. Great combination of both lectures and hands on lab work. I will be able to utilize all new knowledge I have learned in my own research and feel inspired to do so."

*Martina Sundqvist, Postdoctoral Fellow, BC Children's Hospital Research Institute*