Wed Jan 25 - The School	Thu Jan 26 - Workshop Day 1	Fri Jan 27 - Workshop Day 2	Sat Jan 28 - Workshop Day 3
08:30 *Registration Desk Opens*	08:30 *Registration Desk Opens*	08:30 *Registration Desk Opens*	09:00 *Registration Desk Opens*
09:00-10:30 **Jeremy Heyl** *Review of General Relativity and ways in which it has been tested*	08:55 **Workshop Starts** *Welcome from organizers* 09:00-09:30 **Pedro Ferreira** *A complete framework for testing gravity on cosmological scales* 09:30-10:00 **Mark Trodden** 10:00-10:30 **Eric Adelberger**	09:00-09:30 **Cliff Burgess** *Effective field theories and modifying gravity: The view from below* 09:30-10:00 **Austin Joyce** 10:00-10:30 **Hartmut Abele**	09:30-10:00 **Bhuvnesh Jain** *Astrophysical tests* 10:00-10:20 **Richard Shaw** *Probing Dark Energy with CHIME* 10:20-10:30 **Mustapha Ishak** *Cosmological consistency tests of gravity theory and cosmic acceleration*
11:00-12:30 **Dimitrios Psaltis** *Gravity waves*	11:00-11:30 **Bruce Allen** *Direct observation of gravitational waves from the merger and inspiral of two black holes* 11:30-12:00 **Frans Pretorius** *Testing GR and constraining alternative theories with LIGO observations* 12:00-12:15 **Kent Yagi** *What do GW150914 and GW151226 tell us about extreme gravity?* 12:15-12:30 **Leo Stein** *Black hole mergers: beyond general relativity*	11:00-11:30 **Maxim Pospelov** *State of dark matter* 11:30-12:00 **Justin Khoury** *Cosmic acceleration without dark energy* 12:00-12:15 **Cedric Deffayet** *Partial masslessness beyond Einstein* 12:15-12:30 **David Langlois** *Degenerate higher order scalar tensor theories beyond Horndeski*	11:00-11:20 **Scott Menary** *The ALPHA-G experiment* 11:20-11:40 **Masha Baryakhtar** *Searching for ultralight particles with black holes and gravitational wave* 11:40-11:55 **Philippe Brax** *Gravitational birefringence* 11:55-12:10 **Shinji Tsujikawa** *Cosmology in generalized Proca theories* 12:10-12:20 **Joel Bergé** *MICROSCOPE on its way to the tightest test of the Weak Equivalence Principle* 12:20-12:30 **Matteo Fasiello** *LSS probes for dark energy & modified gravity?*
Lunch Break	**Lunch Break**	**Lunch Break**	**Lunch Break**

12:30-13:30 *(various locations)*

13:30-15:00 **Lam Hui**
Review of cosmology and the cosmological and astrophysical tests of gravity

12:30-14:00 *(various locations)*

14:00 **Joy Johnson**
Welcome from VPR

14:05-14:35 **Holger Muller**

14:35-15:05 **Clare Burrage**
Experimental searches for screened dark energy

15:05-15:20 **Tim Kovachy**
Testing the equivalence principle with macroscopic atom interferometers

15:20-15:35 **Jay Tasson**
Testing local Lorentz invariance with gravitational waves

12:30-14:00 *(various locations)*

14:00-14:30 **Ingrid Stairs**
Strong-field gravity with pulsars

14:30-15:00 **Claudia de Rham**
Binary pulsar tests of gravity

15:00-15:15 **Niayesh Afshordi**
Echoes from the abyss

15:15-15:30 **Tanmay Vachaspati**
Quantum radiation during gravitational collapse

12:30-14:00 *(various locations)*

14:00-14:10 **Alexander Vikman**
Canonical exorcism for cosmological ghosts

14:10-14:20 **Yin-Zhe Ma**
Constraining gravity and primordial non-Gaussianity with cosmological observations

14:20-14:30 **Danielle Leonard**
Testing gravity with EG: Mapping theory onto observation

14:30-14:40 **Sheila Dwyer**
Prospects for gravitational wave observations: update from LIGO

14:40-14:50 **Daniel D'Orazio**
Tools for characterizing a massive black hole binary population

14:50-15:30 **Lam Hui**
Light boson dark matter + conference summary

15:30-17:00 **Justin Khoury**
Alternative gravity theories

16:00-16:10 **Aaron Zimmerman**
The horizon modes of black holes

16:10-16:20 **Alex Nielsen**
Testing black hole ringdowns with gravitational waves

16:20-16:30 **Hiromi Saida**
GR effect and mass of the massive BH at the center of our galaxy

16:30-16:40 **David Rapetti**
Modeling and constraining the

16:00-16:30 **Misao Sasaki**
Signatures from inflationary massive gravity

16:30-17:00 **Will Percival**
Final cosmological measurements from BOSS

17:00-17:30 **Roy Maartens**
Cosmology on ultra-large scales with the SKA

Workshop Ends

cluster mass function to test gravity at large scales

16:40-18:00 **Very Short Talks**

Registration Open Until 19:00	**Poster Session and Reception** 18:00-20:00 *(snacks & cash bar)*	**Conference Dinner** 19:00 *(Dockside on Granville Island)*	