

## Schedule

Tuesday, January 19th.  
Michael Smith Lab Theatre.

5:15 —Check-in  
5:30 —Panel  
7:00 —Dinner

Join us online with.  
#PHASCareerNight.

## Organized by

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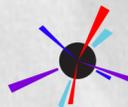
UBC Physics Society  
Jon Parnell & Birgit Rogalla

Astronomy Club  
Ronan Kerr

Biophysics Student Society  
Walter Wasserman

Dept of Physics & Astronomy  
Janis McKenna  
Theresa Liao

Center for Student Involvement & Careers  
Angela Pau



UBC DEPARTMENT OF  
PHYSICS ASTRONOMY



a place of mind  
THE UNIVERSITY OF BRITISH COLUMBIA

Faculty of Science

# Physics & Astronomy Career Night

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Your UBC Physics & Astronomy degree is just a sheet of paper. Find out what you can do with it.

## Panelists

### Derek Kief



Holding a Bachelor of Science in Physics from the University of British Columbia (2014), Derek Kief is an energetic and passionate scientist with an uncanny ability to get

others excited about all things scientific. His background experiences range from a research position in a quantum devices lab to tracking wolves in the dead of winter. Derek's passion for knowledge is contagious, and he can frequently be found excited in the depths of some scientific discovery or at the observatory taking photographs to share with all. In addition to his duties at the H. R. MacMillan Space Centre as the astronomer, Derek is a fervent cinephile, intense baker, energetic volleyball player, and vocal singer in Chor Leoni.

### Madeleine Hodgson

Madeleine earned her undergraduate degree in Honours Physics in 2010. She went on to law school at U.B.C. and currently practices at Bull, Housser & Tupper LLP in



Vancouver in the areas of Dispute Resolution + Litigation and Intellectual Property. During her degree, Madeleine was President of the Undergraduate Physics Society, English Editor of the Canadian Undergraduate Physics Journal and presented her research at an international conference in Stockholm. Madeleine earned her private pilot's licence in 2006 and enjoys flying locally in her spare time.

### Kevin Mcleod

Kevin is a UBC and BCIT graduate currently working at TRIUMF laboratories as an Accelerator Operator. Kevin completed his combined bachelors degree in Physics and Computer Science while also participating in UBC's co-op program. Following is love for technical work, he also received a diploma in Mechatronics and Robotics from BCIT. Kevin has worked at TRIUMF for the past 8 months and most enjoys the challenging technical work, the diverse working environment, and the opportunity to apply the knowledge and skills he acquired during his education.



### Danica Marsden.

After completing a BSc in combined honours physics & astronomy at UBC, Danica pursued a PhD at the University of Pennsylvania in Philadelphia, specializing in experimental cosmology.



After completing her PhD in

2011, Danica accepted a fellowship at the Keck Institute for Space Studies at Caltech, and worked with a group at UC Santa Barbara to develop new astrophysics detectors. After 2 years in California, Danica decided to try her hand in industry, with a position in the new technology development group at Suncor, Canada's largest oil company. In 2015, however, she was wooed away by D-Wave, the quantum computing company, to be a technical project manager.

### Karen Schmelcher



Karen has always cared about helping people, striving to make the most for herself and others. She began her career as an educator long before her university degrees. She's worked in the education

sector for more than a decade, including classroom teaching in public and private schools. Karen loved her physics degree and uses her science background to inform her current practice. Karen is now an alternative educator who focuses on using people's natural strengths to increase their academic potency. She combines this with brain and body research to give her clients a framework to explore and refine on their own, building self-sufficiency in the process. Her desire is to cultivate a mindset of possibility and curiosity for all her clients so that they can maximize their potential.

### Victor Barua

Victor graduated in May of 2015 with a Combined Honours in Physics and Computer Science.

Originally intending to just stick to physics, he branched out after an enlightening experience in CPSC 110 during his first year. As part of the UBC Science Co-Op he worked in the Quantum Degenerate Gases laboratory under Kirk Madison and interned at Atimi Software, Amazon and Microsoft. He currently finds himself writing all sorts of software for BitLit Media.

