



We invite applications for one postdoctoral position in experimental optical physics of cold and ultra-cold molecular systems. The opening is part of a Center for "Ultracold Coherent Chemistry", recently established at UBC by the Peter Wall Institute for Advanced Studies, and a Center for Research on Ultra-Cold Systems (CRUCS), recently funded by the Canadian Foundation for Innovations. The successful candidate will continue an ongoing collaboration between the groups of Valery Milner (experiment) and Moshe Shapiro (theory), and will become part of the growing AMO community at UBC. The position is for a period of up to three years.

The project involves building a new source of cold molecules and exploring various aspects of light-matter quantum control with ultrafast lasers, such as efficient preparation of shaped molecular wavepackets, control of uni- and bi-molecular reactions as well as molecule-surface interaction at low temperatures.

The candidate is expected to have experience in molecular beams, ultra-high vacuum technology and lasers, as well as being well versed in quantum mechanics, scattering theory and the theory of light-matter interaction. Candidates interested in combining experimental and theoretical work will also be considered.

For more information, please go to <http://www.phas.ubc.ca/~fcc/> . If you are interested in being part of this exciting cutting-edge research, while living in beautiful Vancouver, please contact Valery Milner at vmilner@phas.ubc.ca .

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