

# The University of British Columbia



## Postdoctoral position on cryo-EM analysis of neuronal membrane proteins

A postdoctoral position is available to work on a joint project between the labs of Robert Molday and Filip Van Petegem in the Department of Biochemistry and Molecular Biology at the University of British Columbia.

The project will involve Cryo-EM on neuronal membrane proteins and will make use of the excellent cryo-EM facility within the Life Sciences Institute. Microscopes available include a 300kV Titan Krios with Falcon IV detector. A 200kV Glacios (Falcon III) is available for prescreening cryo-EM grids, and a Talos 120 is used for negative stain EM. The structural biology will be complemented with various functional assays.

The ideal candidate will have a PhD in Biochemistry or a related discipline, as well as extensive experience with either NMR, X-ray crystallography and/or Cryo-electron microscopy. Direct experience with membrane protein expression and mammalian cell cultures is an additional asset.

The Molday and Van Petegem labs are housed within the Life Sciences Institute (<https://lsi.ubc.ca/>).

For more information on the labs, see

<http://crg.ubc.ca/VanPetegem/>

<https://molday-lab-ubc.ca>

Our latest joint manuscript on the ABCA4 transporter:

<https://www.nature.com/articles/s41467-021-26161-7>

Interested candidates should email explaining their motivation, along with a CV and contact details for 3 references to both [molday@mail.ubc.ca](mailto:molday@mail.ubc.ca) and [filip.vanpetegem@gmail.com](mailto:filip.vanpetegem@gmail.com).

