

Structural Genomics Consortium

Small Molecule Screening Workshop March 5-6th and July 9-10th, 2009 Toronto, Canada

As part of the SGC's ongoing program in structural genomics of human and malaria proteins we are also identifying small molecules that bind and stabilize our proteins, thereby promoting crystallization. We have implemented two screening platforms, based on either fluorimetry or static light scattering, to measure the increase in protein thermal stability upon binding of a ligand without the need to monitor enzyme activity (Vedadi et al (2006) Proc Natl Acad Sci USA. 103 (43):15835-40). Our small molecule libraries comprise many bioactive compounds such as nucleotides, cofactors, substrates and inhibitors, as well as FDA-approved drugs and drug-like compounds. Identification of small molecules that bind to proteins can provide valuable information on protein specificity, activity, as well as a practical means to facilitate 3D structure determination. This workshop aims to provide an opportunity for interested scientists to learn how to implement these techniques, free of charge, and enable them to screen a protein of interest against selected compounds during the workshop. This is a two day workshop and will be held at the SGC labs, University of Toronto, in March (5-6th) and July (9-10th), 2009.

You can apply by completing and sending the registration form to Dr. Masoud Vedadi (mvedadi@uhnres.utoronto.ca). Due to limited available space, only one attendee will be considered from each academic lab. Approval of attendee's supervisor is required. Please contact us by e-mail if you need more information.

Registration form

Full Name:

Contact information:

Address:

Telephone number:

e-mail address:

University:

Department:

Status: (student, post-doctoral fellow, etc)

Name of your supervisor:

Are you the only applicant from your lab?

Has your supervisor approved your attendance?

Do you have a protein you would like to screen during the workshop?

Each applicant can bring one protein of interest and up to ten compounds/conditions for screening during the workshop.

Due to limited available space, participation will be limited to 12 applicants on a first come first serve basis.

Note:

This workshop is provided free of charge; however you will be responsible for any other arrangements including transportation, accommodation, meals, etc. Please complete this form and e-mail it to: mvedadi@uhnres.utoronto.ca

You can also contact us by e-mail if you need more information.