

UBC Centre for High-Throughput PHENOGENOMICS

CHTP News

Thursday, October 13, 2016

In this issue:

- [CHTP-hosted tours for the UBC Vancouver Summer Program](#)
- [CHTP goes digital campus wide](#)
- [Art at CHTP](#)
- [Staff updates](#)
- [Publications](#)

CHTP-hosted tours for the UBC Vancouver Summer Program

The Centre for High-Throughput Phenogenomics hosted tours for visiting students taking part in the UBC Vancouver Summer Program.

Students received a short tour including demonstrations on various instruments including live cell imaging using a white light confocal microscope, optical projection tomography, micro-computed tomography and scanning electron microscopy.



Thirty-two students visited the Faculty of Dentistry and 43 visited the Faculty of Pharmaceutical Sciences.

>> [Read more on UBC Dentistry News](#)

CHTP goes digital campus wide

Over the summer months the Centre for High-Throughput Phenogenomics was featured on the digital signboards around

Facilities & Equipment

Facilities

- [Main Lab](#)
- [Cell Culture Facility](#)
- [Data Analysis Room](#)

Scanning Electron Microscopy

- [Helios FIB-SEM](#)
- [Hitachi SU3500](#)

Light Microscopy

- [Nikon Confocal](#)
- [Leica White Light Laser Confocal](#)
- [Axioplan II Fluorescent Microscope](#)
- [Zeiss AxioVision/PALM Laser Capture](#)
- [Optical Projection Tomography \(OPT\)](#)
- [Olympus LEXT Confocal](#)

X-Ray Imaging

- [Micro-CT Specimen Scanner](#)
- [Micro-CT In Vivo Scanner](#)

Mass Spectrometry

- [MALDI](#)

Sample Preparation

- [Leica Cryostat](#)
- [Leica EM MED020 Coating System](#)
- [Critical Point Dryer](#)
- [Microwave Preparation](#)
- [Grinding/Polishing Suite](#)

New Users

To access the equipment housed within the Centre for High-Throughput Phenogenomics, principal investigators (normally

campus.

Four different signs rotated to feature the various imaging modalities offered: scanning electron microscopy, optical microscopy, MALDI mass spectrometry and X-ray micro-computed tomography.

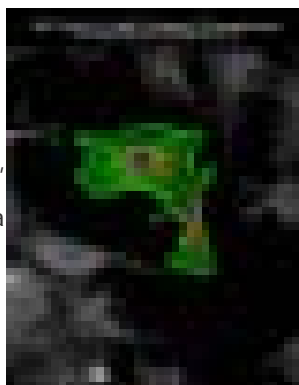


Watch for new digital signs in future months. The CHTP wants to showcase user images while promoting the capabilities of the Centre to the UBC community.

Featured image: Centre for High-Throughput Phenogenomics digital sign featuring a micro-CT image of a mouse femur displayed on the large digital display overlooking the intersection of University Boulevard and Wesbrook Mall.

Art at CHTP

The hallway leading to the Centre for High-Throughput Phenogenomics has been transformed into an art gallery with framed images representing the breadth of imaging capabilities of the centre's equipment. Some of the images demonstrate specific techniques and were supplied by CHTP staff, while others showcase research projects of specific users. There is also an information panel providing a list of services offered by the centre. The images—currently six—will be changed regularly to feature other users. If you have an image that would be interesting to display, and not protected under patent or copyright, the Centre for High-Throughput Phenogenomics would be happy to include it in the next gallery installation. Next time you visit the CHTP be sure to check out all the images in the hallway gallery.



Staff updates

Welcome Xudong Dong, the new micro-CT technician. Xudong comes to the Centre for High-Throughput Phenogenomics from the Faculty of Pharmaceutical Sciences where he was a researcher focused on the mechanisms of craniofacial pain. Xudong joined the CHTP staff August 1, 2016.

The Centre wishes farewell to John Schipilow. John worked at the imaging centre since April 2013 as the micro-CT technician. He has returned to school to pursue a career in physiotherapy. Everyone at the Centre wishes him the best of luck.

Publications

faculty) need to fill in an [Access Request Agreement Form](#) (PDF).

Access Updates for Registered Users

Have new personnel in your laboratory who need access to the Centre? Fill in an [Add User Form](#) (PDF).

Have current personnel who need access to additional equipment? Fill in an [Add Equipment Form](#) (PDF).

Submit Forms

Submit completed forms to Dr. Nancy Ford, Director of the Centre, at nlford@dentistry.ubc.ca

Pricing

Pricing for each item of equipment, as well as sample preparation, professional assistance and training is conveniently posted online.

[Review the pricing sheet](#) (PDF)

Booking

Registered users may book equipment online. Click the [booking link](#) on the [CHTP homepage](#) to find booking calendars for each item of equipment.

The Centre for High-Throughput Phenogenomics highlights user publications on the website. If you have a publication resulting from your use of its equipment, send the information and it will be included on the list (microscopy@dentistry.ubc.ca).



Please make sure to acknowledge the Centre for High-Throughput Phenogenomics and its funding sources.

>> [See publications on chtp.ubc.ca](http://www.chtp.ubc.ca)

About CHTP

The Centre for High-Throughput Phenogenomics offers a comprehensive suite of imaging technologies. Its broad goal provides two- and three-dimensional information and analysis about the structure of specimens using scanning electron microscopy, optical imaging, X-ray imaging, and mass spectroscopy.

The CHTP is a core facility, and welcomes collaborative, interdisciplinary research projects from across universities, research organizations, and corporate users.

CHTP Corporate Sponsors

Significant in-kind CFI support provided by the following corporate sponsors:



www.chtp.ubc.ca

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