**FACILITIES & OTHER RESOURCES**

**Cornell University**

***Yu Laboratory:*** The Yu lab is located in Cornell University’s new Weill Hall. Assigned space includes two furnished offices of 180 ft2, four laboratory bays (1,050 ft2) to accommodate 12 people, support space of four rooms (three 10x10 ft2, and one 10x20 ft2) as well as about 500 ft2 of linear equipment corridor. In addition, lab members have access to a nearby science lounge of 510 ft2 and available conference rooms, as well as a shared cold room and dark room. The nearby Biotechnology Institute, a building housing the Department of Molecular Biology and Genetics building also houses facilities for DNA and peptide sequencing, real time PCR, microarray analysis, phosphorimaging, scanning and transmission electron microscopy, flow cytometry, confocal microscopy, and other imaging services. All personal computers and servers are connected to a campus wide network, the world-wide web, and the Cornell Library. This includes access to a large number of scientific journals that are subscribed to by the Cornell Library.

Dr. Yu’s group consists of 4 postdoctoral fellows (Xiaomu Wei, Yugandhar Kumar, Ting-Yi Wang, and Jin Liang), 6 graduate students (Juan Beltran, Antoine Barthelet, Charles Liang, Siwei Chen, Robert Fragoza, and Nate Tippens), 2 technicians (Nurten Aktürk and Christen Rivera-Erick), and an administrative assistant (Ellen Miller). Both secretarial and accounting support are provided and funded by the Weill Institute.

Human ORFeome Library 8.1: We have the whole human ORFeome with single-colony fully sequence-verified Gateway entry clones in our freezer.

Computer: Each postdoctoral associate and graduate student in Dr. Yu's research group has his/her own Nehalem-class or Mac Pro workstation running a mix of Linux, Windows, and OS X. We also have a Dell PowerEdge T710 server with features including: 2x Intel Xeon X5570 processors, 6x 16G memory (144GB total), and 6x 450G hard drive (2.7TB total), and a Dell PowerEdge R930 server with 4x Intel Xeon E7-8870 v3 (144 threads), 16x 16 GB memory (256 GB total), and 6x 2 TB 7.2K RPM SAS drives (12 TB total). The network connections in the Weill Hall operate at 100 Gbps. In addition, we have access to an array of 12x 48-core large memory (512 GB) servers in a cluster shared among department faculty and their groups. System administration support of the server and personal computers is provided by Cornell Bio-Information Technology Facility and funded by the Weill Institute.

Office: Dr. Yu's office measures 264 ft2 and is right next to his laboratory.

***Cornell University:*** The intellectual environment at Cornell is highly interactive and collaborative, and support for research in life sciences, particularly in genetics/genomics, is outstanding. The Cornell Center for Comparative Population Genomics (www.3cpg.cornell.edu) was recently organized to unite the 30 faculty and their lab groups working in this area through a seminar series, graduate and postdoctoral fellowships, research retreats, and seed grants. The Cornell Center for Comparative and Population Genomics also hosts short courses on computational analysis of next generation sequencing data for incoming students. Many Cornell colleagues with relevant advisory expertise are housed in a complex of adjacent buildings sharing a courtyard, including multiple *Drosophila* labs (Aquadro, Barbash, Clark, Deitcher, Goldberg, MacIntyre, Wolfner), computational biology labs (Keinan, Clark, Mezey), several evolutionary biology labs (Aquadro, Barbash, Clark, Harrison, McCune), and a new Institute for Cell and Molecular Biology, headed by Dr. Scott Emr. Researchers in Yu lab also make use of the services offered by the Computational Biology Service Unit, Cornell’s core facility for bioinformatics and computational biology, which provides hardware, software, and consulting support to individual investigators at little or no cost. CBSU computational hardware is outlined in the equipment statement.