MOLECULAR PATHOLOGY AND IMAGING CORE

The Molecular Pathology and Imaging Core (MPIC) is excited about continuing to work with your lab. Please feel free to stop by and see if there is anything we can do to help you. Additionally, we continue to maintain an average turn around of 5 working days for orders, which gets you results quicker.

In November we hired a new employee, Cullen O’Donnell, who will help with all of your sectioning needs. He recently graduated from La Salle University and is really excited about being a part of Penn.

A human GI cancer tissue bank is maintained by MPIC, which paraffin embedded samples. The bank is a service that is provided by the MPIC and can be used at no additional charge to sectioning. The majority of tissues also have a pathology report. If you are interested in seeing what is available please contact Adam Bedenbaugh, blakebe@mail.med.upenn.edu, for more information.

CFAR LEADERSHIP TRANSITION

After 17 years of impactful and excellent leadership as the founding director of the Penn Center for AIDS Research (CFAR), James A. Hoxie, MD, will be transitioning from this role. CFAR Co-Director Ronald G. Collman, MD, has been appointed as the new Director. The leadership transition, which Jim and Ron have been contemplating for some time, takes effect December 1. I am fully confident that their close partnership and careful transition planning will maintain the Center’s great momentum and extend its leadership in HIV/AIDS science.

Please remember to cite the Center (NIH-P30-DK050306) and its core facilities (Molecular Pathology and Imaging Core, Molecular Biology/Gene Expression Core, Transgenic and Chimeric Mouse Core, and Cell Culture Core) in your publications.
The Division of Gastroenterology, Hepatology & Nutrition at The Children’s Hospital of Philadelphia provides comprehensive, multi-disciplinary care to patients from birth to early adulthood. The Division’s family-centered approach fosters a partnership between parent, patient, primary care physician and specialist in the diagnosis, treatment and management of a patient’s GI disorder. The Division comprises 17 sub-specialty centers. These Centers have a tripartite focus on clinical care, research and education. With a world-class, international reputation, the Center for Pediatric Inflammatory Bowel Disease is one example. The Center for Pediatric Inflammatory Bowel Disease treats 1,400 children and adolescents with the inflammatory bowel diseases, Crohn disease and ulcerative colitis. It is the largest treatment center for pediatric IBD in the world, and the most active research center. The core team includes nine pediatric gastroenterologists and two nurse practitioners. The center also has a dedicated IBD psychologist and a dedicated IBD dietitian, whose specialized expertise makes a great difference in the social and physical health of patients and families. Two pediatric surgeons with extensive experience in IBD surgery and who publish frequently on IBD are also part of the team. Unique aspects of the Center include a dedicated clinic for patients diagnosed before the age of 5 (VEO IBD), a comprehensive endoscopy and infusion suite that performs more than 4,500 procedures annually, and the availability of novel treatment options including nutritional, non-pharmacological therapy. The Center hosts an annual IBD education day, sponsors and facilitates patient support groups, and participates in community events to raise awareness for pediatric IBD. Finally, from a research perspective, the Center’s robust research portfolio distinguishes it from other pediatric centers. The Center supports 30 active IRB approved research studies. The physicians are renowned scientists, who, through investigations into the genetic basis of IBD, the relationship between the microbiome and IBD, and other areas, pursue new therapies and even cures. The research advancements are frequently the result of synergistic collaborations between HUP and CHOP colleagues. Examples include the PLEASE study, the Microbiome in Health and Disease Study, and the iGRAM study.

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MOLECULAR BIOLOGY/GENE EXPRESSION CORE

The Molecular Biology Core is excited to introduce the addition of the BD Accuri® C6 Flow Cytometer. The BD Accuri® C6 is a digital basic flow cytometer, equipped with Blue (488nm) and Red (640nm) lasers, two light scatter detectors (FSC and SSC), and four fluorescence detectors.

Currently, the non-pressurized system of BD Accuri C6 supports any brand of sample tubes - 12 x 75 mm or smaller (including microcentrifuge tubes), made of polypropylene or polystyrene. And, the BD Accuri® C6 CFlow SAMPLER supports the high throughput and fully automated acquisition from 48- and 96-well plates and deep-well plates. It is also supplied with a 24-tube rack for the walk-away acquisition of standard 12 x 75-mm tubes.

It is very similar to the FACSCalibur!

For additional information, please visit their webpage HERE.

NOTE: This instrument is user-run only. New users must schedule training with the Flow Cytometry and Cell Sorting Facility via Path Resources HERE.

To access the BD Accuri C6, interested Center users must schedule an appointment HERE.

Location: Biomedical Research Building II/III, Rm 973
Contact Lillian Chau at 215-573-9571 if you have additional questions