**REMEMBER**
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.

**CONGRATULATIONS**
Dr. Anil Rustgi has been named the recipient of two prestigious awards in recognition of his dedication and commitment to mentoring.

- **2012 ARTHUR K. ASBURY OUTSTANDING FACULTY MENTOR AWARD**
- **2012 BIOMEDICAL POSTDOCTORAL PROGRAMS DISTINGUISHED MENTOR AWARD**

**WE’RE MOVING!**
BRB II/III – 9th Floor
421 Curie Boulevard
Philadelphia, PA 19104 - 6064

The Division of Gastroenterology and the Center for Molecular Studies in Digestive & Liver Diseases are moving to the 9th Floor in BRB during the first two weeks of November. Please keep in mind that the Molecular Biology Core will be down from Tuesday, November 6th – Thursday, November 8th, and the Molecular Pathology and Imaging Core will not be accepting orders from Tuesday, November 13th – Tuesday, November 20th.

**Remember to update your CV’s, letterheads, and business cards with the new address**

**WELCOME TO THE DIVISION**

GREGORY F. SONNENBERG, PhD

Gregory F. Sonnenberg, PhD, is one of fourteen awardees to receive the NIH Director’s Early Independence Award. This grant fosters young scientists with “outstanding scientific creativity, intellectual maturity, and leadership skills with the opportunity to conduct independent biomedical or behavioral research by essentially skipping the traditional postdoctoral training period.” He will be joining our team as a Research Associate with an independent laboratory. For more information, please read [Penn Immunologist Among 14 Early-career Scientists Given 2012 NIH Director’s Awards](http://www.med.upenn.edu/gastro/symposium-registration.shtml).

**JOINT SYMPOSIUM**

The Penn Center for Viral Hepatitis, NIH Center for Molecular Studies in Digestive & Liver Diseases, and The Penn Center for AIDS Research invite you to attend:

“HCV and Co-infections: New insights and emerging therapies”

November 28, 2012
8:00am – 4:30pm
BRB II/III Auditorium and Lobby

Please register online at: [http://www.med.upenn.edu/gastro/symposium-registration.shtml](http://www.med.upenn.edu/gastro/symposium-registration.shtml)
MOLECULAR PATHOLOGY AND IMAGING CORE (MPIC)

We've had a wonderful quarter so far. There are a few exciting events that have occurred and that are upcoming that I would like to let you know about.

First, we have consistently been turning around the average sectioning order in 4 days and completing over 90% of our orders in 5 days. This quick turn around time allows for you to complete your research faster.

Additionally, since we are moving, we will be closed from November 13th to 20th. Please plan your experiments accordingly and make sure all of your orders are picked up before then. Our new laboratory will be located on the 9th floor of BRB, and we will be open for use starting November 21st.

Finally, we are always available for any questions that you have involving immunostains and histological stains, which we offer training for both. Secondary antibodies and other various reagents are offered free-of-charge to help complete those stains. If you have any questions, please feel free to stop by the MPIC facility.

MOLECULAR BIOLOGY CORE

REPLACEMENT OF CHEMIDOC IMAGING SYSTEM

Currently the Core is evaluating instruments used to image and quantitate bands on ethidium bromide, Coomassie blue or silver-stained gels. Throughout the month of October sales representatives will be demonstrating instruments and leaving them in house for approximately 24hr. Feedback by users on ease of use, quality of imaging and if it meets your needs would be greatly appreciated. Announcement of demos will be by e-mail.

NEW INSTRUMENTATION

The Core will be purchasing a Nanodrop 2000 UV-Vis spectrophotometer. It will be ordered within the next month and be setup in the Instrument Core after we have settled into the ninth floor of BRB. The advantages of the instrument are:

- Allows for sample volumes as small as 0.5 µL
- Measures DNA, RNA (A260) and Protein (A280) concentrations and sample purity (260/280 ratio)
- Large concentration range (2 ng/µL – 15,000 ng/µL dsDNA) without dilutions
- Pre-configured methods for common applications such as Nucleic Acid, Protein A280, Microarray, Proteins & Labels, Bradford, BCA, Lowry – and more
- Low-cost operation – no plates or other consumables needed

NEW COLLABORATION

The Core has established a collaboration with the Biomarker Core (841BRB III/III) of the Penn Center for Excellence in Environmental Toxicology. Their mission is to foster the use of sophisticated analytical methodologies to detect biomarkers. Biomarkers can be analyzed in model systems, in vivo and ultimately in patient populations. This Core provides diverse analytical services primarily based on LC/MS methodology. Immunologically based assays are developed when they are required. The Molecular Biology Core subsidizes a 15% discount on these services. For information please see [http://www.med.upenn.edu/ceet/research.shtml](http://www.med.upenn.edu/ceet/research.shtml) (Facility Service III - Biomarker) or contact the Biomarker Core Technical Director, Clementina A. Mesaros, PhD, at 215.573.987 or by e-mail at mesaros@upenn.edu.