Drs. Clayton Wiley and Stephanie Bissel recently received a grant as described here for five years, 7/1/2013 – 6/30/2018. NIAID awarded a new program project entitled “Omics-Based Predictive Modeling of Age-Dependent Outcome to Influenza Infection”. Drs. Clayton Wiley and Stephanie Bissel are co-Investigators leading the Pathology Core. The focus of this five year project is to develop computational models that integrate large-scale Omics data collected over the course of influenza A virus infections to predict severe disease outcome. Congratulations!

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The Section of Laboratory Medicine moved to the Clinical Laboratory Building on Euler Way this summer. This move allows the clinical laboratories to work together from one location. Dr. Alan Wells, the Medical Director, is located on the 9th floor, Microbiology (6th floor), Immunology (4th floor) Chemistry (3rd floor) and Molecular Genomic Pathology labs (8th floor). Divisions can be accessed via the same phone numbers as previously assigned. The new building is serving the needs of our Institutions and the surrounding community with a multifaceted state-of-the-art testing site. The building took two years to complete, but all agree it was worth the wait. Any questions regarding the new facility can be directed to Dr. Michalopoulos at michalopoulosgk@upmc.edu or to Dr. Alan Wells at wellsa@upmc.edu.

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“-The beautiful thing about learning is that no one can take it away from you.”

B. B. King
(born 1925);
American Blues Guitarist,
Songwriter

Holiday Reminder
The University of Pittsburgh will be closed Thursday, November 28 and Friday November 29 for the Thanksgiving Recess. UPMC will be closed Thursday November 28, 2013.

The University of Pittsburgh will be closed December 24 through January 1, 2014.
The Administrative offices will be minimally staffed and open during this time.
University and Hospital offices will reopen January 2, 2014.
Promotions

Shashikiran Donthamsetty, Ph.D., promoted to Research Assistant Professor, September 1, 2013.

Kari Nejak-Bowen, Ph.D., promoted to Research Assistant Professor, August 1, 2013.

Faculty Highlights

Charleen Chu, M.D., Ph.D.

Autophagy Section Editor for Current Pathobiology Reports (Editor in chief Paul Monga), Springer Publishing 2012-present

Section Editor, Mechanisms in Neurological and Neuropsychiatric Diseases, Brain Research Bulletins (Editor in chief Andres Buonanno), Elsevier, Inc. 2013-2014.

George K. Michalopoulos, M.D., Ph.D., Honorary Degree, University of Athens, August, 2013.

Joe Newsome, D.V.M., member of the University Senate’s PUP Committee (Plant Utilization and Planning) for a one year term.

Parmjeet Randhawa, M.D.,
Consultant on “Treatment landscape for polyomavirus BK.” Gerson Lehrman Group Council Member Services, Austin Texas, July 13, 2013.

Member, NIH Grant Review Panel, RFA-AI-12-048, “Immune Mechanisms of Virus Control (U19)”. September 2013

Co-Moderator, Group Discussion: Incorporation of non-morphologic data into the Banff classification. 12th Banff Conference on Allograft Pathology, Comandatuba, Bahia, Brazil, August 22, 2013
“Enthusiasm is the mother of effort, and without it nothing great was ever achieved.”

Ralph Waldo Emmerson (1803-1882); Philosopher, Poet, Author

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### Grant Administration

**PI: Youhua Liu**
- **Title:** Renal Myofibroblast: Origins and Activation
- **Agency:** NIH
- **Project dates:** 7/3/2013 – 6/30/2017
- **Total project costs:** $1,336,538

**PI: Joseph Locker**
- **Title:** Regulation of HNF4 in Hepatic Failure in Cirrhosis
- **Agency:** NIH
- **Project dates:** 7/15/2013 – 6/30/2017
- **Total project costs:** $1,195,504

**PI: Paul Monga**
- **Title:** Targeting beta-catenin in liver pathology: Novel Interactions, Novel Paradigms
- **Agency:** NIH
- **Project dates:** 7/1/2013-6/30/2017
- **Total project costs:** $1,297,697

**PI: Yuri Nikiforov**
- **Title:** Mechanisms of RET/PTC Rearrangement in Thyroid Cancer
- **Agency:** NIH
- **Project dates:** 8/1/2013-05/31/2018
- **Total project costs:** $1,297,347

**PI: Aatur Singhi**
- **Title:** Predictive Genetic Markers in the Malignant Transformation of Intraductal Papillary Mucinous Neoplasms
- **Agency:** The National Pancreas Foundation
- **Project dates:** 7/1/2013-06/30/2015
- **Total project costs:** $25,000

Pre-award:
Kim Basile (412.683.7556; basilekm@upmc.edu) is the department contact for all contracts and MTA submissions to the Office of Research and all visa submissions to the Office of International Services. Please make Kim your first contact for contracts, MTAs and visa processing for any international visitors, post-docs and scholars. Kim continues to process grant submissions for faculty with last names beginning A-M. All faculty with last names beginning N-Z should see Vida George (412.683.7555; georgev@upmc.edu) for processing of grant proposals.

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**George Michalopoulos M.D., PhD.**, Principal Investigator
- **Title:** Mechanisms of AT expression and Hepatocyte hyper-proliferation in AT deficiency.
- **Agency:** NIH P01- DK096990-SUB:7956
- **Funding Period:** 9/24/2012 to 8/31/2017

**Aaron Bell, PhD.**, Co-Investigator
- **Title:** Mechanisms of AT expression and Hepatocyte hyper-proliferation in AT deficiency.
- **Agency:** NIH P01- DK096990-SUB:7956
- **Funding Period:** 9/24/2012 to 8/31/2017

**Title:** Genomics & Virus Core NEW THERAPIES FOR LIVER FIBROSIS AND HYPERPROLIFERATION IN ALPHA1-AT DEFICIENCY
- **Agency:** NIH P01- DK096990-SUB:7960
- **Role:** Director
- **Funding Period:** 9/24/2012 to 8/31/2017

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Fall Back:
The clocks are set back one hour Sunday,
November 3, 2013
I am happy to report that our program continues to do quite well. During the course of the past year, eight students graduated; however, we also added 8 new students (5 from IBGP and 3 from MSTP), keeping us at 31 students so that we remain one of the largest of the six Interdisciplinary Program affiliates. Despite losing some faculty members through career changes, overall our faculty numbers have been growing. This past academic year we added 6 new faculty members to CMP: Aaron Bell, Joe Locker, and Peter Lucas (primary), as well as Jeff Isenberg, Steffi Oesterreich and Rocky Tuan secondary) making our current total 70. Further, we have 1 member in the midst of the application process! Please remember to tell interested faculty about joining CMP. We are always interested in adding qualified SOM faculty to our graduate program if their interests match with ours.

On May 22, we had a highly successful Pathology Retreat, successfully combining our basic and clinical researchers for an afternoon of stimulating talks, followed by a poster session at the University Club. For those of you who missed it, our keynote speaker was William Muller from Northwestern University’s Feinberg School of Medicine. In house faculty invited to present their research were Tim Billiar, Eric Laagasse, and Steven Swerdlow. As in the past, posters were judged and the following were winners in the various categories:

**Graduate Students:**

First place: Jonathan Proto (mentor: Johnny Huard)
Second place: tie between Matt Brown (mentor: Jian Yu) and Dee Seneviratne (mentor: Reza Zarnegar)
Third place: tie between Beth Oczypok (mentor: Tim Oury) and Derek Laux (mentor: Beth Roman)

**Basic Research:**

First place: Brian Leibowitz (mentor: Jian Yu)
Second place: Rod Tan (mentor: Youhua Liu)
Third place: Lili Zhou (mentor: Youhua Liu)

**Clinical Research:**

First place: Somak Roy (mentor: Marina Nikiforova)
Second place: Dina El Demellawy (mentor: Sarangarajan Ranganathan)
Third place: tie between Nika Gloyeske and Nika Gloyeske (yes, two posters and both came in third! — mentor: Rohit Bhargava)

As most of you know, I could not have done the retreat without the help of Shari Tipton, who has now left the University, but I am happy to report that we now have a new CMP administrative assistant, Tara Rohall (rohallta@upmc.edu). Tara has been busy helping to coordinate the fall classes, including our newest addition to the “family”: Extracellular Matrix in Tissue Biology and Bioengineering, which rolled out this semester. Kudos to our Chairman, George Michalopoulos, and Bryan Brown from Bioengineering, for putting this class together.
Finally—hold these dates…our annual retreat will be **May 28, 2014** with Jon Morrow, MD/PhD, Chairman of Pathology at Yale as our on campus keynote speaker, along with several student and faculty speakers, and an evening poster session at the University Club. More information will follow in the next newsletter. The Summer Undergraduate Research Program (SURP) will begin on May 27, 2014. For SURP, we are once again actively seeking interested faculty willing to host college undergraduates in their laboratories for a 10-week scientific research experience. SURP is a highly competitive outreach program, specifically designed to recruit high quality students into applying for graduate degrees through the University of Pittsburgh School of Medicine (UPSOM) programs such as the Interdisciplinary Biomedical Graduate Program and the Medical School.

The specifics of SURP are as follows:

The cost to the individual investigator is $3,500.00. In some cases, there may be supplemental funding from UPSOM. Please contact me at 412-648-9690 or wmars@pitt.edu if you are interested in learning more about these funding opportunities.

The program will run from May 27-August 1. Students are expected to have a specific project that they work on full time. They are also expected to attend supplemental programming 1-2 hours a week. At the end of the experience they must write an abstract and do a 10-minute power point presentation of their work.

Student housing and travel will generously be provided by UPSOM.

The success of this program relies on quality mentors as well as quality students. Part of our past success has been due to participation of interested faculty such as you. In addition, we have implemented several techniques designed to attract the highest quality students to our program such as a shared online application process. I would venture that many of you who have participated as SURP mentors in the past can attest to the quality of the students that we are attracting. You need not be graduate faculty to take on a student.

If you have any questions or are willing to be a mentor this year, please contact me at 412-648-9690, or via e-mail at wmars@pitt.edu. The application process has already begun. Also, remember that if you are interested in having issues brought before the CMP steering committee, please share them with either our CMP administrator, Tara Rohall (rohallta@upmc.edu), or with me (wmars@pitt.edu).

Thanks so much!

**Wendy M. Mars, Ph.D.**

**Director, Pathology SURP and CMP graduate program**


Raina A, Yadav D, Regueiro M, Krasinskas AM, Saul MI, Sapienza DA, Binion DG and Hartman DJ. Mucosal IgG4 Cell Infiltration in Ulcerative Colitis is Linked to Disease Activity and Primary Sclerosing Cholangitis. *Inflamm Bowel Dis* 2013 May; 19(6): 1232-7


**Book Chapters and Reviews**


**Books Edited**

Desouki MM, Lloyd J, Xu H, Cao D, Barner R, Zhao C. CDX2 may be a useful marker to distinguish primary ovarian carcinoid from gastrointestinal metastatic carcinoids to the ovary. Hum Pathol. 2013 Sep 9. [Epub ahead of print]

Li Z, Zhao C. Long-term Follow-up Results From Women With Cervical Adenocarcinoma In Situ Treated by Conization: An Experience From a Large Academic Women's Hospital. J Low Genit Tract Dis. 2013 Jul 30. [Epub ahead of print]


Charleen Chu, M.D., Ph.D.


- Chu, CT. (2013) Unknown Case 1 (large cell neuroendocrine lung carcinoma presenting as choroidal metastasis). USCAP Specialty Conference in Ophthalmic Pathology, March 2013, Baltimore, MD.


- Chu, CT. Developing a mouse model of autophagolysosomal aging for Parkinson’s Disease. The 26th Annual AFAR Grantee Conference, June 4, 2013, Santa Barbara, CA.

Parmjeet Randhawa, M.D.

- Commercially available human immunoglobulins as potential therapy for BK viremia. 5th International Conference on Polyomaviruses; Basic and Clinical Perspectives, Stresa, Italy, May 11, 2013.


- BK virus infection in solid organ transplantation. International Pediatric Transplant Association Meeting, Warsaw, Poland, July 15, 2013.

- The Banff Borderline category: do we still need it? 12th Banff Conference on Allograft Pathology, Comandatuba, Bahia, Brazil, August 22, 2013.
From left, top row: Dr. Jianman Tian, Dr. Michael Oertel, Dr. Reza Zarnegar, Dr. Paul Monga, Dr. George Michalopoulou.
From left, middle row: Dr. Andy Duncan, Dr. Joe Locker, Dr. Alex Soto-Gutierrez, Dr. Galina Shurin, Dr. Jianhua Liu, Dr. Aaron Bell
From left, bottom row: Dr. Kari Nejak-Bowen, Dr. Shirish Paranjpe, Dr. Wendy Mars, Dr. Yanping Yu, Dr. Ivona Pandrea, Dr. Jihong Ma
Missing: Dr. Nick Giannoukakis, Dr. Eric Lagasse, Dr. Youhua Lou, Dr. Shanmugam Nagarajan, Dr. Cary Wu
The Division of Experimental Pathology represents the basic and translational arm of the department of Pathology, composed of a diverse group of scientists studying cellular and molecular aspects of health and disease. The mission of the division is “Striving for improved human health by better understanding of cellular and molecular processes through applied research in disease etiology, pathogenesis, diagnosis and treatment” and is reflective of the ongoing studies. The division of Experimental Pathology consists of primary faculty (twenty two) and affiliated members (from various other divisions), and also representative members from Institutes including the McGowan Institute of Regenerative Medicine and Vascular Medicine Institute. The primary members of the division are arbitrarily organized into various organ-based research groups. However, overlapping research themes such as ones shown in the cartoon, unify the division members. The word “Tissue” can be replaced by Liver, Kidney, Lung, Prostate or others.

In addition, the division is playing a central role in education of trainees at various levels. The division members also hold key service responsibilities both nationally and University-wide, playing important roles in policy- and decision-making, implementation and regulation.

The Division of Experimental Pathology

**United Way “Thank You” Basketball Games**

Petersen Events Center

Wednesday, November 6—4:30—7:00 pm.

Game 1—Medical Students vs Medical Residents
Game 2—School of Medicine Faculty vs Other Health Sciences Faculty
Game 3—Winner of Game 1 vs. Winner of Game 2

Foul Shot Prize Contest
Free to anyone who has already pledge to United Way.
$25 per shot without a United Way pledge.

Jamie Dixon and Suzie McConnell Autographed basketball raffle—seven basketballs will be raffled with the proceeds benefitting the United Way. $2 per ticket or 3 tickets for $5.
Ronald Hamilton, M.D.

Played a role in the discovery of Chronic Traumatic Encephalopathy (CTE) in NFL football players (co-author and senior neuropathologist on the first three case reports), and the attempts by NFL affiliates to have the first report retracted, are highlighted in Chapters 8 and 10 of a non-fiction account of how the NFL has been dealing with the issues of head injury in their sport before and after neuropathology provided physical evidence. The book is called LEAGUE OF DENIAL and is written by two ESPN investigative reporters who have interviewed hundreds of people for this book (including five interviews with Dr. Hamilton). The book was released Oct 8, 2013 (http://www.amazon.com/League-Denial-Concussions-Battle-Truth/dp/0770437540).

Frontline broadcasted a documentary on October 8.
http://www.pbs.org/wgbh/pages/frontline/league-of-denial/

New Arrivals

Dr. Octavia Peck-Palmer and husband Phillip, welcomed Simeon David Palmer; 4/27/13; 7lbs 13oz. Big brother Phillip Palmer II is 3 years old (05/29/10)

Welcome! Alicia Procacina and spouse Dennis on the birth of Gino Procacina, 7lb 10oz, September 13, 2013. In Alicia’s absence, her workload has been distributed to both pre and post award staff. Hurry back Alicia!

Kari Nejak-Bowen and husband Bill welcomed a baby boy on March 28, 2013, Zane Isaac 8 lbs and 2 oz. Brothers Will (21 y/o), Ian 6 y/o and sister Elli 4 y/o are all helpers with the new baby.
Let’s welcome the following to the Department.

**Sarah Harm, M.D.,** Clinical Instructor, Institute of Transfusion Medicine, July 1, 2013. Dr. Harm just completed a fellowship at the Institute of Transfusion Medicine.

**Dong Hu, Ph.D.,** Research Instructor, Department of Pathology, laboratory of Dr. Peter Lucas at Children’s Hospital, September 1, 2013. Dr. Hu will play a key role in the study of signal transduction systems that lie at the interface of inflammation and tumorigenesis in the liver.

**Pil Gyu Hwang, M.D., Ph.D.,** Clinical Assistant Professor, Division of Anatomic Pathology at UPMC Passavant, July 1, 2013. Dr. Hwang is trained in the area of general surgical pathology and cytopathology. He just completed a fellowship in cytopathology at the University of Pennsylvania.

**Linda C. Olmstead, D.O.,** Clinical Assistant Professor, Division of Anatomic Pathology at UPMC Northwest Hospital, September 1, 2013. Dr. Olmstead is trained in general surgical pathology. She joins UPMC from Trumbull Memorial Hospital in Warren Ohio.

**Gary K. SeGall, Ph.D., M.D.,** Clinical Assistant Professor, Division of Anatomic Pathology at UPMC Horizon Hospital, September 1, 2013. Dr. SeGall has a vast amount of experience in general pathology, cytopathology and all aspects of laboratory medicine. He joins UPMC from Northwide Medical Center in Youngstown, Ohio.

**Faculty Highlights**

**Chengquan Zhao, M.D., President of Conference,** organized a four day meeting of The Second Huaxia Pathology Conference by China Council for the Promotion of International Exchange of Medical Care Expert Working Committee, Huaxia Pathology Information Net, and Chinese Journal of Pathology was held June 27-30, 2013 at Quilin, China.

Coordinated by Dr. Chengquan Zhao, Drs. Walid Khalbuss, Liron Pantanowitz, Anil Parwani, Jeffrey Fine attended pathology online lectures to Chinese pathologists in 2013. The lectures obtained highly favorable comment from Chinese audience. The Huaxia Pathology Information Net conferred education awards. In addition, UPMC Chinese pathology fellows, Drs. Huaitao Yang, Zaibo Li, Xin Li, Faye Gao, Baojin Fu, Tao Wang have given the online lectures in the past years.
ACGME Milestones Project

The ACGME New Accreditation System in collaboration with the American Board of Pathology has finalized with Pathology Residency Milestones to be implemented July 1, 2014. Milestones are clinical competency based measures assessed from Level 1 through Level 5 within each of the existing 6 ACGME Competencies. More detailed communication will follow. We will need to revise our electronic system for faculty evaluations of resident performance.

The sub-specialty fellowship milestones are in development. They will be finalized by December 2014 for implementation July 2015. National sub-specialty groups are developing the milestones.

Medical Students

Pathobiology Course – Dr. Marie DeFrances Lead

Our Pathobiology Course is being finalized and faculty and trainees will be contacted to sign up as laboratory instructors. The course runs from the end of December through the first week of January.

Pathology Medical Student Interest Group

The MS-1 class has shown a lot of interest in the PMSIG. Their first meeting was held in September and Dr. Michalopoulos gave an overview of pathology as a career.

We have applied for The International Council for Pathology Information (ICPI) PMSIG Award for the 5th consecutive year having been successful in our application the four previous years. The award supports PMSIG activity.

Educational Credit Units

A website has been constructed by Tom Harper of UPMC to allow faculty to record all teaching, mentoring and committee work that is applicable for Education Credit Units. For questions about this, contact Chris Szalkuski or myself.
PATHOLOGY SEMINARS October - January, 2014

Wednesday, October 16, 2013 - noon
1104 Scaife Hall

“How Can Image and Data Analysis Help Pathology Research”

Gustavo Rhode, Ph.D.
Associate Professor of Biomedical Engineering
Carnegie Mellon University

Wednesday, October 23, 2013 - noon
1104 Scaife Hall

“Parechovirus encephalopathy (encephalitis)”

Clayton A. Wiley, M.D., Ph.D.
Professor of Pathology
Division Director of Neuropathology
University of Pittsburgh

Wednesday, October 30, 2013 - noon
1104 Scaife Hall

“The Role of Saturated, Monounsaturated, and Trans Fatty Acids in Atherosclerosis: Peripheral Fat Catabolism and Reverse Transport”

Harry Blair, M.D.,
Professor of Pathology
Division Director of Clinical Chemistry
Department of Pathology
University of Pittsburgh

Wednesday, November 13, 2013 - noon
1104 Scaife Hall

“Biliary Diseases with Pancreatic Counterparts - Anatomical and Pathological Bases”

Yasuni Nakanuma, M.D., Ph.D.
Professor and Chair
Department of Pathology
Kanazawa University
Takaramachi, Kanazawa
Japan

Wednesday, November 20, 2013 - noon
1104 Scaife Hall

“New Pathophysiologies For Osteoporosis”

Mone Zaidi, M.D., Ph.D.
Professor of Medicine, Structural and Chemical Biology
Mount Sinai School of Medicine
New York, NY

Wednesday, December 4, 2013 - noon
1104 Scaife Hall

“Securing the Future of Pathology”

Richard C. Friedberg, MD, PhD, FCAP
Chairman, Department of Pathology
Baystate Health
Springfield, MA

Wednesday, December 11, 2013 - noon
1104 Scaife Hall

“Genetic Analysis of Mitochondria Quality Control”

Leo J. Pallanck, Ph.D.
Professor of Genome Sciences
Department of Genome Sciences
University of Washington
Seattle WA

Wednesday, January 8, 2014 - noon
1104 Scaife Hall

Title: TBA

Kalpana Ghoshal, Ph.D.
Department of Pathology
Ohio State University
Columbus, OH

Wednesday, January 15, 2014 - noon
1104 Scaife Hall

“Implications of the Recent Advances on Molecular Pathology of Lung Cancer for Risk Assessment, Diagnosis and Treatment”

Ignacio I. Wistuba, M.D.
Professor and Chair
Anderson Clinical Faculty Chair for Cancer Treatment and Research
Department of Translational Molecular Pathology
MD Anderson Cancer Center
Houston, TX

Wednesday, January 22, 2014 - noon
1104 Scaife Hall

“Tau and Alzheimer’s”

Bradley T. Hyman, M.D., Ph.D.
John B. Penney Jr. Professor of Neurology
Harvard Medical School
Director, Alzheimer Disease Research Center
Charlestown, MA