

# PATHOLOGY NEWS

**Special Points of Interest**

**Faculty Highlights**  
Page 2-3

**Presentations**  
page 4-5

**Promotions**  
Page 5

**Cellular and Molecular Pathology Program**  
Page 6

**Grant Info**  
Page 7

**Departing and New Faculty**  
Page 8

**Experimental Pathology Division Update**  
Page 9

**Residency/Fellowship and Medical School Update**  
Page 10

**Seminars and Publications**  
Page 11-13

**CME, Annual Report, ECU, Pub forms**  
Page 14

**Personal News**  
Page 15

Dear Colleagues:

The 21<sup>th</sup> Annual Pathology Research Day and Retreat took place on Friday June 11, from 3:00 until 8:30 PM with approximately 120 people in attendance. This year 92 abstracts were submitted; 42 from graduate students, 17 basic research trainees, 24 clinical research trainees and 9 from faculty. Faculty and trainee talks took place from 3:00 until 6:00 PM in room S100A of the South BST. From 6:00-8:30, a poster session with refreshments was held at the University Club. Winners were:

Graduate students:	1 <sup>st</sup>	Kun-Wei Liu (Shiyuan Cheng)
	2 <sup>nd</sup>	Mike Thompson (Paul Monga)
	3 <sup>rd</sup>	Sam Cherra (Charleen Chu)
Basic Research:	1 <sup>st</sup>	Cecelia Yates (Alan Wells)
	2 <sup>nd</sup>	Ed Plowey (Charleen Chu)
	3 <sup>rd</sup>	Qian Wu (Alan Wells)
Clinical Research:	1 <sup>st</sup>	Eumenia Castro (Csaba Galambos)
	2 <sup>nd</sup>	James Edinger (Steven Swerdlow)
	3 <sup>rd</sup>	Kotaro Sasaki (Eizaburo Sasatomi)

As always, we thank the retreat committee, our 27 judges, and especially Shari Tipton who worked tirelessly to get this organized!

**Wendy Mars, Ph.D.**

Associate Professor of Pathology

Have a safe and wonderful summer.

**George K. Michalopoulos, M.D., Ph.D.**

Professor and Chairman  
Department of Pathology



Let me tell you  
the secret  
that has led  
me to my goal:  
my strength  
lies solely in  
my tenacity.

**Louis Pasteur**  
(1822-1895)

## HOLIDAY REMINDERS

THE UNIVERSITY OF PITTSBURGH AND UPMC  
WILL BE CLOSED MONDAY JULY 5 IN  
OBSERVANCE OF INDEPENDENCE DAY AND  
MONDAY, SEPTEMBER 6 IN OBSERVANCE OF  
LABOR DAY.



## FACULTY AND STAFF HIGHLIGHTS

**Marie DeFrances, M.D., Ph.D.** has been appointed as Assistant Director for the Division of Molecular Diagnostics effective July 1, 2010.

**Jeffrey A. Kant MD PhD**, Director, Division of Molecular Diagnostics, has begun terms this year as Vice-Chair of the College of American Pathologist's Council on Scientific Affairs and as a member of the Veteran's Administration Genetic Program Advisory Committee. Dr. Kant has recently been asked to serve on the External Advisory Board for Vanderbilt University's Ingram Cancer Center Personalized Cancer Medicine Initiative and has contributed to the AMA CPT Editorial Panel's Molecular Pathology Coding Workgroup which is completely restructuring coding for genetics and oncology-based molecular assays.



**George K. Michalopoulos, M.D., Ph.D.** was selected for the Wisconsin Distinguished resident Alumni Award for 2011. He was also invited to join the College of CSR Review of NIH for a two year period.

**Yuri Nikiforov, M.D., Ph.D.**, has been asked to serve on the American Thyroid Association Anaplastic Thyroid Cancer Guidelines Task Force.

**Erin Rubin, M.D.** was the course director of the Surgical Pathology of Organ Transplantation Conference held May 7-8. Dr. Michalopoulos gave the keynote lecture, "Liver Regeneration and Liver Failure." One hundred participants registered for this CME accredited course held at the University Club in Oakland.

**Dr. Sarangarajan Ranganathan** has been appointed Director of Anatomic Pathology at Children's Hospital.

**Steven Swerdlow, M.D.** elected trustee of the American Board of Pathology effective January 1, 2011.

As of June 1, 2010, **Dr. Theresa L. Whiteside** has stepped down as the Director of the Immunologic Monitoring and Cellular Products Laboratory (IMCPL) at UPCI. She will devote her time to full time research in the field of cancer immunology/immunotherapy.

**Ms. Theresa Humpe**, the lead technologist in the ATL, was awarded the 2010 Inaugural UPMC Sustainable Innovation Initiative award (in the process category) on April 28<sup>th</sup>. Her idea was to place Solar panels in all new construction within the UPMC system. She received a beautiful trophy and Mr. Jeffrey Romoff presented her with a warm letter of congratulations (the story can be found at this link; [http://extra.upmc.com/ExtraExpress/extraexpress\\_043010.html](http://extra.upmc.com/ExtraExpress/extraexpress_043010.html))



A good listener  
is not only  
popular  
everywhere,  
but after a  
while he knows  
something.

Wilson Mizner  
(1876-1933)

*Department of  
Pathology  
Faculty Meeting  
Friday,  
September 24  
at noon  
1102 Scaife Hall*

## HIGHLIGHTS

**Ibrahim Batal, M.D.**, a fellow in Transplant Pathology, will spend the next two years doing a research and clinical fellowship in renal pathology under the directorship of Dr. Helmut Reinke at Brigham and Women's Hospital, Harvard University, Boston, MA.

**Salvatore J. Cherra**, CMP graduate student, received an individual training grant (NS064728) beginning in the summer 2009, and was awarded Third Place in the Graduate Student Category at the 21st Annual Department of Pathology Research Day, 2010.

**Ruben Dagda, PhD** was awarded a FASEB-MARC Travel Award to attend Experimental Biology 2010 in Anaheim, CA, and his abstract selected for oral presentation.

**Aaron Gusdon**, medical student, received the Dean's Summer Research Program Scholarship and was awarded a Merit Award at the Summer Research Symposium. He received a Seahorse Travel Award to present this data at the Charleston Conference on Mitochondrial Physiology and Pathobiology in November 2009. He was selected to be the 2010-2011 Pathology Post-Sophomore Fellow, and was admitted to the Physician-Scientist Training Program at the University of Pittsburgh School of Medicine.

**Vivek Patel**, CNUP graduate student, was awarded support on T32NS007433-12 for his second year, based upon his excellent progress in the laboratory.

**Irene Pien**, Pitt undergraduate, was accepted into the Summer Undergraduate Research Program for 2010.

**Ed Plowey, MD, PhD** was awarded Second Place in the Basic Science Category at the 21st Annual Department of Pathology Research Day, 2010.

### VA Pittsburgh Healthcare System

VA Pittsburgh Healthcare System, Pathology and Lab medicine was inspected by the College of American Pathologists on May 7, 2010, and has passed the inspection with flying colors.

VA Pittsburgh Healthcare System was assessed and has been found to meet the requirements of applicable standards and has been granted fully re-accreditation by the AABB thru June 2012.

## PRESENTATIONS

**Shiyuan Cheng, Ph.D.** gave the following presentations:

- Feb 3, 2010, Department of Neurological Surgery, University of California, Irwin, CA, “Mechanisms of Overexpressed EGFRvIII- and PDGFR-alpha-induced Glioma Cell Invasion.”
- May 19, 2010, The 18th International Conference on Brain Tumor Research and Therapy, Trave-munde, Germany, “PDGFR alpha Promotes Glioblastoma Invasion through Src-dependent phosphorylation of Dock180Y1811 and Activating CrkII-p130Cas-Rac1 Signaling.”

**Charleen Chu, M.D., Ph.D.** gave the following:

- Mechanisms of physiologic and pathologic autophagy regulation. Symposium on "How shall I eat you: The art and science of autophagy?", Annual meeting of the American Society of Nephrology, October 2009, San Diego, CA.
- PTEN-induced kinase 1 (PINK1): Role in mitochondrial remodeling and Parkinson's disease. Charleston Conference on Mitochondrial Physiology and Pathobiology, Nov 2009, Isle of Palms, SC.
- Staying in the PINK1: Mitochondrial Quality Control and Neurodegeneration. Case Western Reserve University, Department of Pathology, February 2010.
- Parkinson's Disease: Converging Insights from Toxin and Genetic Models. ASIP Outstanding Investigator Award Lecture. Experimental Biology 2010 (FASEB/ASIP), April 2010, Anaheim, CA.

**George K. Michalopoulos, M.D., Ph.D.** presented “Signaling Interactions in Initiation and Termination of Liver Regeneration” at the ASIP meeting April 25, 2010.

**Marina Nikiforova, M.D.**

- “MicroRNA in Thyroid Cancer” 80th Annual Meeting of the American Thyroid Association.
- “Solid Tumors: Challenging Cases and Diagnostic Dilemmas”. Association for Molecular Pathology 2009 Annual Meeting.
- “Molecular Diagnostics of Solid Tumors for the Practicing Pathologist: What You Need to Know” ASCP, December, 2009
- “Molecular Diagnostics of Solid Tumors” at the AMP & AACC annual course “Molecular Pathology Essentials: Principle and Practice”, May 18, 2010.

**Yuri Nikiforov, M.D., Ph.D.**

- Massachusetts General Hospital, Department of Pathology Grand Round, “Classic Pathology and Molecular Diagnostics in Thyroid Cancer: Friends or Foes?”; Invited Lecturer, December, 2009.
- United States and Canadian Academy of Pathology 99<sup>th</sup> Annual Meeting, Washington, DC; Papanicolaou Society of Cytopathology Companion Meeting; Companion Meeting Speaker, March, 2010.
- United States and Canadian Academy of Pathology 99<sup>th</sup> Annual Meeting, Washington, DC; Long Course “Endocrine Pathology: Thyroid & Other Endocrine Tumors”; Course Co-Director and Course Speaker, March, 2010.
- Thomas Jefferson Medical College, Department of Pathology 2010 Resident Award Lecture, April, 2010.
- American Society for Clinical Pathology; Teleconference “Molecular Diagnostics of Thyroid Cancer”, April, 2010.
- American Thyroid Association Spring 2010 Meeting; Symposium “Genetic Markers and Personalized Diagnosis of FNA Samples”; Symposium Chair and Symposium Speaker, May, 2010.
- Thomas Jefferson Medical College, 2010 Pathology Resident Award Lecture

**Miguel Reyes-Mugica, M.D.**

Will give The John Emery Memorial Lecture entitled: “Dealing with moles: the neural crests and some of their pigmented aberrations.”. At the 56th Annual Meeting of the Paediatric Pathology Society, in Padova, Italy, September 16-18, 2010.

**Theresa Whiteside, Ph.D.** was a plenary speaker at the 4<sup>th</sup> MASIR 2010 symposium on the Island of Myconos in Greece June 9-14, 2010. Her presentation was entitled: “Monitoring for Regulatory T Cell (Treg) Subsets in Cancer and the Prognostic Value of Treg Measurements.

## PROMOTIONS

SHELDON BASTACKY, M.D. PROMOTED TO PROFESSOR  
ROHIT BHARGAVA, M.D., PROMOTED TO ASSOCIATE PROFESSOR  
CHARLEEN CHU, M.D., PH.D. PROMOTED TO PROFESSOR  
RAJIV DHIR, M.D. PROMOTED TO PROFESSOR  
CSABA GALAMBOS, M.D., PROMOTED TO ASSOCIATE PROFESSOR  
MARINA NIKIFOROVA, M.D. PROMOTED TO ASSOCIATE PROFESSOR  
TIM OURY, M.D., PH.D. PROMOTED TO PROFESSOR

## CELLULAR AND MOLECULAR PATHOLOGY PROGRAM UPDATE

CMP recently underwent an independent external review. Martha Furie (SUNY-Stonybrook), William Coleman (UNC), and Robert Mitchell (Harvard), along with internal reviewer Gerry Apodaca (Medicine), spent 1.5 days interviewing our students and faculty and getting to know what we are all about. While the official report isn't in, feedback from the committee was generally positive and we look forward to getting the official report. Thanks to all who were able to participate.

I was recently awarded a training grant entitled the "Angiopathy Training Program" (ATP). The grant will fund graduate students only (3/year; funding for 2 years) and can support students from graduate programs across the University. The ATP will cross-train students in Pathology, angiogenesis, and imaging techniques. Those who are interested in applying should contact Dr. Mars at [wmars@pitt.edu](mailto:wmars@pitt.edu) for more information.

The incoming class for our parent Interdisciplinary Program (IBGP) interviewed 92 students (82 domestic, 17 international) from an applicant pool of 487 completed submissions (231 domestic, 256 international). 74 of these students (60 domestic, 14 international) were offered positions and 15 (12 domestic, 3 international) will be matriculating over the summer and looking for laboratories to do rotations in the upcoming year. Our parent Medical Scientist Training Program (MSTP) had 362 applicants and interviewed 68 students. Of the students offered positions, 15 applicants matriculated on June 1, 2010 and are already hard at work in their various labs.

Currently we have 36 students in the Cellular and Molecular Pathology Program (CMP), 30 from the IBGP and 6 from the MSTP. 4 students have defended their theses since last September. While it is too early to know exactly how many students will "officially" join CMP this fall, there are minimally 3 students joining from the IBGP (2) and the MSTP (1). In addition to the CMP students (who are mentored by faculty throughout the SOM), there are at least 4 more graduate students from the SOM being mentored by Pathology faculty; 2 are in the IMB program and 2 are in CNUP. As of now, the graduate student stipend remains at \$24,650.00.

**The Summer Undergraduate Research Program (SURP)** began on May 25 and will run until July 30. This year, due to size limitations imposed by the School of Medicine, the official SURP students were limited to a total of 9, including 3 who are generously funded by the DOD through a joint program with Tuskegee (headed by Alan Wells at Pitt and Clayton Yates at Tuskegee). We also have a student through a summer program offered by the American Society for Investigative Pathology (ASIP), 4 returning students from Alan's program, and a few others who are volunteering in various labs. Please plan to come and hear the students present their work on the mornings of July 29/July 30. More information regarding where and when will follow via e-mail.

Once again, be reminded that if you are interested in having issues brought before the CMP committee, please share them with our CMP administrator, Shari Tipton ([tiptonsl@upmc.edu](mailto:tiptonsl@upmc.edu)), or me ([wmars@pitt.edu](mailto:wmars@pitt.edu)). Also, I would love to know if you are aware of any outstanding faculty members who are not currently members of CMP but who would be eligible and have a possible interest in joining. This year alone we added 5 new faculty members to our program, and there are two more applications in progress.

Thanks so much!

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

Director, Pathology SURP and CMP Graduate Program



## GRANTS RECEIVED

**Charleen Chu, M.D., Ph.D.** received the following grants:

- Two year supplement to R01AG026389-03S1 to identify suppressors of injury-induced autophagy.
- Mitochondrial proteins in Parkinson's disease P01 NS059806 (2009-2013), Neuropathology Core to study expression of mitochondrial regulatory proteins in human post-mortem brain samples.
- Lysosomal basis of age-dependence in neurodegeneration AFAR/Ellison Medical Foundation Julie Martin Mid-Career Award in Aging (2009-2013) to produce adult-onset autophagy deficient mice.
- Divergent pathways of cell death after brain injury R01 NS038620 (2009-2011), subaccount for consultation on GFP-LC3 transgenic mouse studies
- PINK1 regulation of mitochondrial homeostasis R56 NS065789 (2010-2011), High Priority Short-Term Project award for identifying PINK1 targets by phosphoproteomics.

***Congratulations!***

**Wendy Mars, Ph.D.** received a NIH Angiopathy Training Grant effective July 1, 2010-June, 30, 2015 for the amount of \$134,767 the first year and \$269,534 the four subsequent years.



*Adriano Aguzzi, M.D., Ph.D.  
Professor of Neuropathology and  
Chairman, Department of Pathology  
University Hospital of Zurich  
Dr. Clayton Wiley, Professor and Director of  
Neuropathology  
Dr. Aguzzi gave the annual  
Maud L. Menten Lecture  
May 12, 2010*

## DEPARTING PATHOLOGY FACULTY

We wish Dr. Yin good luck with his new position.



### Xiao-Ming Yin, M.D., Ph.D.

Louis Y. Mazzini Professor of Pathology and  
Vice Chair for Laboratory Medicine  
Department of Pathology and Laboratory Medicine  
Indiana University School of Medicine and  
Director of Laboratories  
Clarion Health System

## WELCOME NEW PATHOLOGY FACULTY

Menaka Raju, M.D. from the University of Washington, will join  
the staff at Passavant Hospital August 1, 2010.

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## EXPERIMENTAL PATHOLOGY DIVISION UPDATE

Dear Colleagues:

Research activities in the Division of Experimental Pathology continue to grow, as do interactions between the various members of the faculty. The Experimental Pathology seminars continue to be successful as platforms of sharing ongoing research in the laboratories of various members of the division. It is hoped that new collaborations, multi-PI grant proposals or other collaborative ventures will stem from these seminars. While the Experimental Pathology seminar series will conclude later in fall of 2010, some formal meetings will continue to maintain the biweekly interactions between members of the division.

The Division of Experimental Pathology acquired several key pieces of equipment for research. Some of these are expected or are currently in high demand. For a more efficient operation of the machines including the Luminex (4<sup>th</sup> floor S-BST) Luminex (7 Scaife), two real-time PCR machines (4<sup>th</sup> floor S-BST) and a live cell imaging system (4<sup>th</sup> floor S-BST), an online scheduler is being developed whose access will be available through the Experimental Pathology website. An email with pertinent website information and login for the e-scheduler will be sent shortly to all faculty.

In line with the mission of the division and the department to promote career development of junior faculty, a new program was introduced within the division. This program gives an opportunity, to the junior faculty in the Division of Experimental Pathology, for a career development and steering committee with the eventual goal of obtaining successful NIH funding. The committees will be comprised of established investigators with significant experience and success in obtaining NIH funding and will meet 2-3 times to discuss the research project, recommend and monitor timeline for grant submission, provide internal grant review with critique and recommendations and provide additional advise as needed. While I am hopeful that these committees will be of benefit to the career development of the junior faculty and will further augment our NIH ranking as a department, I also realize the amount of time and effort of senior faculty that will go into this operation. I thank all of the department members in advance and hope to rely on your support for this new endeavor, which will eventually benefit our department. Please email any additional suggestions that you may have.

Thanks,

**Satdarshan (Paul) Singh Monga, M.D.**

Director: Division of Experimental Pathology

"I predict future happiness for Americans if they can prevent the government from wasting the labors of the people under the pretense of taking care of them."

Thomas Jefferson  
(1743-1826)

# RESIDENCY/FELLOWSHIP AND MEDICAL SCHOOL UPDATE

## Residency and Fellowship Program

On July 1<sup>st</sup> we welcomed our new PGY-1 class of residents and new fellows – they were listed in the last newsletter. As part of the new resident orientation this year there will be a weekly lecture series through mid-August conducted by the new PGY-2 class of residents.

On Wednesday July 14<sup>th</sup> at noon in Scaife Hall Room 1104 there will be a department luncheon to welcome our new fellows and residents.

## Resident Recruitment Interview Dates for 2010 / 2011

The Friday interview dates for the next recruitment cycle are:

October 22<sup>nd</sup>, October 29<sup>th</sup>,  
November 5<sup>th</sup>, November 12<sup>th</sup> (Thursday November 11<sup>th</sup> PIRRT day), November 19<sup>th</sup>  
December 3<sup>rd</sup>, December 10<sup>th</sup>, December 17<sup>th</sup>  
January 7<sup>th</sup>, January 14<sup>th</sup> and January 21<sup>st</sup>

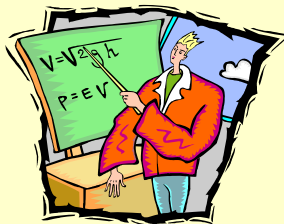
## Medical Student Education

### Advanced Clinical Skills Course

A very successful pathology afternoon elective was held in April as part of the MS-3 Advanced Clinical Skills Course. There was an Introduction to Pathology lecture and then faculty led in-laboratory sessions on Neuropathology, Microbiology, Hematopathology, GI pathology, Autopsy pathology and Transfusion Medicine. Feedback was excellent and about 20% of the 28 students indicated the course caused them to consider a pathology elective.

### Integration with Clinical Clerkships

A pilot is underway at the VA to have weekly in-laboratory sessions as part of the medical clerkship rotation.



**Trevor Macpherson, M.D.**  
Vice Chairman  
Department of Pathology Education

**PATHOLOGY  
RESEARCH SEMINAR  
SERIES**

Title: TBA

**Michael Shurin, M.D., Ph.D.**

**Division of Clinical Immunopathology**

University of Pittsburgh

**Wednesday, September 15, 2010**

**noon**

1104 Scaife Hall

Title: TBA

**Edmund Cibas, M.D.**

Associate Professor of Pathology

Department of Pathology

University of Pittsburgh

**Wednesday, September 22, 2010**

**noon**

1104 Scaife Hall

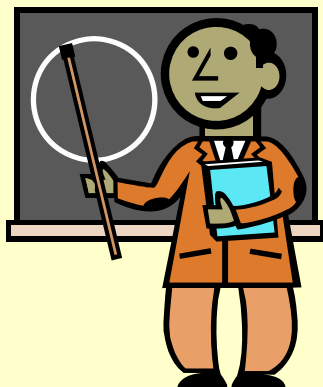
**Annual Martinez Lecture**

**Arie Perry**

**Thursday, September 29, 2010**

**noon**

1104 Scaife Hall



**PUBLICATIONS**

Mandapathil M, Hilldorfer B, Szczepanski MJ, Czystowska M, Szajnik M, Ren J, Lang S, Jackson EK, Gorelik E, Whiteside TL. Generation and accumulation of immunosuppressive adenosine by human CD4<sup>+</sup>CD25<sup>high</sup>FOXP3<sup>+</sup> regulatory T cells (Treg). *J. Biological Chemistry*, 285: 7176-7186, 2010. PMID: 19858205

Czystowska M, Strauss L, Bergmann C, Szajnik M, Rabinowich H, Whiteside TL. Reciprocal granzyme/perforin-mediated death of human regulatory and responder T cells is regulated by interleukin-2 (IL-2). *J. Mol. Med.*, 88: 577-588, 2010. PMID: 20225066

Ragni MV, Soadwa K, Nalesnik MA, Zajko AJ, Cortese-Hassett A, Whiteside TL, Hart S, Zeevi A, Moore CG, Qin L. Impact of HIV on hepatitis C infection in hemophilia: prevalence and predictors of liver fibrosis. *Haemophilia*, In Press, 2010.

Macatangay BJC, Szajnik ME, Whiteside TL, Riddler SA, Rinaldo CR. Regulatory T cell suppression of GAG-specific CD8<sup>+</sup> T-cell polyfunctional response after therapeutic vaccination of HIV-1-infected patients on ART. *PLoS ONE*, 5(3): e9852, 2010. PMID: 20352042

Whiteside TL. Inhibiting the inhibitors: evaluating agents targeting cancer immunosuppression. *Exp. Opin Biol. Ther.*, 10:1019-35, 2010. PMID: 20415597 NIHMSID: 198477

Szajnik M, Czystowska M, Szczepanski MJ, Mandapathil M, Whiteside TL. Tumor-derived microvesicles induce, expand and up-regulate biologic activities of human regulatory T cells (Treg). *PLoS ONE*, In Press, 2010

Mitchell MS, Yu MC, Whiteside TL. The tyranny of statistics in medicine: A critique of unthinking adherence to an arbitrary p value. *Cancer Immunol. Immunother.*, 59(8): 1137-40, 2010. PMID: 20454962

Manni ML, Oury TD. (2010) Significance of Polymorphisms in the Superoxide Dismutase-3 Gene in COPD: It's all about Location! *J. Chron. Obstruct Pulmon Dis.* In Press.

Ramsgaard L, Englert JM, Tobolewski J, Tomai L, Fattman CL, Leme AS, Kaynar MA, Shapiro SD, Enghild JJ, Oury TD. (2010) The role of the receptor for advanced glycation end-products in a murine model of silicosis. *PLoS ONE* 5(3): e9604. doi:10.1371/journal.pone.0009604

Petersen SV, Thøgersen IB, Valnickova Z, Jacobsen C, Oury TD, Moestrup SK, Crapo JD, Nielsen NC, Kristensen T, Enghild JJ. (2010) Receptor-mediated endocytosis of EC-SOD maintains redox homeostasis in the vasculature. *Free Rad Biol Med.* In Press.

Kliment CR, Suliman HB, Tobolewski JM, Reynolds CM, McTiernan CF, McGaffin KR, Piantadosi CA, Oury TD. (2009) Extracellular Superoxide Dismutase Regulates Cardiac Function and Fibrosis. *J. Mol. Cell. Cardiol.* 47: 730-742

Kliment CR and Oury TD. (2010) Oxidative Stress, Extracellular Matrix Targets and Idiopathic Pulmonary Fibrosis. *Free Rad Biol Med.* In Press.

**PATHOLOGY  
RESEARCH SEMINAR  
SERIES**

**Title: TBA**

**Jon S. Morrow, M.D., Ph.D.**

Raymond Yesner Professor of  
Pathology and Chairman  
Department of Pathology  
Yale University

**Wednesday, October 20, 2010**

**noon**

1104 Scaife Hall

Seminar Title: TBA

**Michael H.A. Roehrl, M.D., Ph.D.**

Assistant Professor of Pathology and  
Laboratory Medicine  
Boston Medical Center  
Boston, MA

**Wednesday, October 27, 2010**

**noon**

1104 Scaife Hall

**Annual Totten Lecture**

**Seminar Title: TBA**

**Elisabeth Brambilla**

**Wednesday, November 10, 2010**

**noon**

Lecture Room 5 Scaife Hall



CT Chu (2010) A pivotal role for PINK1 and autophagy in mitochondrial quality control: Implications for Parkinson disease. *Human Mol Genetics* in press.

J Zhu & CT Chu (2010) Mitochondrial dysfunction in Parkinson's disease. *J Alzheimer Dis* in press.

Rao, UN, Lee, SJ, Luo, W., Mihm, MC Jr., Kirkwood, JM. Presence of tumor-infiltrating lymphocytes and a dominant nodule within primary melanoma are prognostic factors for relapse-free survival of patients with thick (t4) primary melanoma: pathologic analysis of the e1690 and e1694 intergroup trials. *Am J Clin Pathol* 2010 April; 133(4):646-53.

Cajaiba, M.M., Luo, J., Goodman, M.A., Fuhrer, K.A., Rao, U.N. Sox9 Expression is Not Limited to Chondroid Neoplasms: Variable Occurrence in Other Soft Tissue and Bone Tumors With Frequent Expression by Synovial Sarcomas. *Int. J. Surg. Pathol.* 2010 May 18.

Jukic, D.M., Rao, U.N., Kelly, L., Skaf, J.S., Drogowski, L.M., Kirkwood, J.M., Panelli, M.C. MicroRNA Profiling Analysis of Differences Between the Melanoma of Young Adults and Older Adults. *J. Transl. Med.* 2010 Mar 19:8:27.

Horbinski C, Kelly L, Nikiforov YE, Durso MB, Nikiforova MN. Detection of IDH1 and IDH2 Mutations by Fluorescence Melting Curve Analysis as a Diagnostic Tool for Brain Biopsies. *J Mol Diagn* 2010 Apr 29. [Epub ahead of print]

Horbinski C, Kofler J, Kelly L, Murdoch GH, Nikiforova MN. The diagnostic utility of IDH1/2 mutation analysis in routine clinical testing of formalin-fixed paraffin-embedded glioma tissues. *J Neuropathol Exp Neurol* 2009 68:1319-1325.

Dacic S, Shuai Y, Yousem S, Otori P, Nikiforova M. Clinicopathological predictors of EGFR/KRAS mutational status in primary lung adenocarcinomas. *Mod Pathol.* 2010 Feb;23(2):159-68

Monaco SE, Nikiforova MN, Cieply K, Teot LA, Khalbuss WE, Dacic S. A comparison of EGFR and KRAS status in primary lung carcinoma and matched metastases. *Hum Pathol.* 2010 Jan;41(1):94-102.

Otori NP, Nikiforova MN, Schoedel KE, Lebeau SO, Hodak SP, Seethala RR, Carty SE, Ogilvie JB, Yip L, Nikiforov YE. Contribution of molecular testing to thyroid fine-needle aspiration cytology of "follicular lesion of undetermined significance/atypia of undetermined significance". *Cancer Cytopathol.* 2010 118(1):17-23.

Chiosea S, Shuai Y, Cieply K, Nikiforova MN, Dacic S. EGFR fluorescence in situ hybridization-positive lung adenocarcinoma: incidence of coexisting KRAS and BRAF mutations. *Hum Pathol.* 2010 Apr 7. [Epub ahead of print]

Yin, J.-J., Hu, B., Jarzynka M.J., Feng, H.-Z., Liu, K.-W., Wu, J.Y., Ma, H.-I. and Cheng, S.-Y., (2009) "Slit2 inhibits glioma cell invasion in the brain through suppression of Cdc42 Activity." *Neuro-Oncology*, 11, 779-789 [Epub ahead of print on March 31, 2009]

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## CME CREDIT UPDATE

The University of Pittsburgh School of Medicine, Center for Continuing Education for the Health Sciences transcripts can be obtained via the Internet at [ccehs.upmc.edu](http://ccehs.upmc.edu). Click on the link "Credit Transcripts" enter the required information (last name, last five digits of social security number). To receive a complete transcript do not enter dates and choose "submit." The transcript reflects the American Medical Association Category 1 credits or the Continuing Education Units (CEUs) which have been entered into the Center's database. To print the credit transcripts, please click on the drop down menu next to the Select Option and select Print Credit Transcripts. Credits from other institutions can be entered using the option "add/modify" credit information. The Center for Continuing Education will not validate this section of the credit transcript. For questions about the Continuing Medical Education Credits, please contact 412.647.8232.

## ANNUAL REPORT UPDATE

The School of Medicine has requested that an annual report be submitted by October 1. An e-mail has been sent to the faculty requesting individual information and hopefully **everyone will respond by August 20**. *The data needed includes a research summary paragraph, Study Sections, Advisory Committees, honors, recognition and awards and a bibliography for the last three years (2008, 2009, 2010).* Collecting information from all members in the Department is time consuming therefore we are asking you to please respond by August 20. Thank you in advance for your cooperation. If you have any questions, please contact Chris Szalkuski at [szalkuskict@upmc.edu](mailto:szalkuskict@upmc.edu). Thank you.

## EDUCATIONAL CREDIT UNIT UPDATE

Just a reminder that the Educational Credit Units (ECUs) will be collected from every faculty member. ECU spreadsheets will be distributed to the Departments from the Office of Medical Education with the information they have captured for teaching from the Medical School and the Graduate Program. We will post the information on our webpage and ask Faculty to review the information. The turn-around-time for responding will be four weeks, therefore this message is sent to alert you that the ECU information is to come at end of July. If you have any questions please contact Chris Szalkuski at [szalkuskict@upmc.edu](mailto:szalkuskict@upmc.edu). Thank you.

## PUBLICATION NOTIFICATION FORM UPDATE

The Dean has requested a Notification of Publication form for each manuscript accepted for publication in a peer-reviewed journal. The forms ensure compliance with human and animal research policies, technology transfer/patent guidelines and the requirements for citation of grant support. Please submit **two** copies of the manuscript along with the notification form directly to Dr. Michalopoulos' office and it will be forwarded to the Dean's office. The forms can be accessed via the website at: <http://www.health.pitt.edu/cbmi/notification.htm>. Thank you.

**Octavia Peck Palmer, PhD** gave birth to  
**Phillip Denorris Palmer, II**  
 Saturday, May 29, 2010  
 7lbs, 4 oz and 21 inches.  
 Mom, Dad and baby are doing great!  
 Congratulations!



Congratulations to **Cecelia Yates**  
 (postdoc in Dr. Wells' lab) as she  
 was recently engaged to  
 Robert Binder.



**Dr. Alka Palekar**  
 Honored for 35  
 years of service  
 She was recognized on  
 June 21 for her  
 service to Shadyside  
 Hospital.  
 Congratulations!



**Joyce Marcoz**, a Medical Secretary in the Division of  
 Transplant Pathology, will retire August 24, 2010. She is  
 currently working as a part-time employee to train her  
 replacement, Rita Brozewicz. Joyce received the ACES  
 award for outstanding performance in 2007. She has  
 worked at UPMC for 20 years.

Good luck Joyce.



Dr. David Melhorn's experience with the Café Milano and the PSO as "First Person: Out on the  
 Town. A night with Russian students and a giant calzone.." Read article here:  
<http://www.post-gazette.com/pg/10142/1059898-109.stm>