



The Newsletter of the Department of Pathology and Laboratory Medicine at NewYork-Presbyterian Hospital/Weill Cornell Medical Center

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## Focus

by Daniel M. Knowles, MD

### Welcome New Faculty

It is a great pleasure to announce the appointment of three additional individuals, Drs. Sun-mi Chung, Anjali Saqi and Rhonda Yantiss, to the faculty of the Department of Pathology and Laboratory Medicine at Weill Medical College of Cornell University. Each individual has been appointed Assistant Professor of Pathology and Laboratory Medicine at Weill Medical College and Assistant Attending Pathologist at NewYork-Presbyterian Hospital/Weill Cornell Medical Center.



Sun-mi Chung, MD



Anjali Saqi, MD



Rhonda Yantiss, MD

Dr. Sun-mi Chung received her medical degree (AOA) from the University of Chicago Pritzker School of Medicine in 1999, began her graduate education in surgery at Stanford University and then switched careers, entering the NewYork-Presbyterian Hospital/Weill Cornell campus pathology training program in 2000. Dr. Chung served as Chief Resident for the 2002/2003 academic year. Following completion of her training in anatomic pathology, she completed a fellowship in gastrointestinal pathology under Dr. David Klimstra at Memorial Sloan-Kettering Cancer Center. She joined the Department in August 2005. Dr. Chung will devote her professional time and activities to gastrointestinal pathology.

Dr. Anjali Saqi received her medical degree from the State University of New York Downstate in 1996 and completed a combined anatomic pathology and clinical pathology residency at the Cornell campus of NewYork-Presbyterian Hospital in 2000. Subsequently, she completed a surgical pathology fellowship

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## Research Highlights

by William Muller, MD, PhD

### The Department Appoints New Laboratory Director

The Department of Pathology and Laboratory Medicine welcomes Dr. Hanna Rennert, who has joined us from the University of Pennsylvania School of Medicine as the Director of the Molecular Pathology Laboratory. Dr. Rennert received her PhD from the Technion-Israeli Institute of Technology Medical School in 1989, and completed 4 years of postdoctoral training at University of Pennsylvania in 1993. She is certified in Clinical Molecular Genetics by the American Board of Medical Genetics and is obtaining a certificate in Clinical Epidemiology from the Center for Clinical Epidemiology and Biostatistics at the University of Pennsylvania.

Dr. Rennert is developing Molecular Pathology services for genetics, virology, oncology and identity testing, and introducing automated platforms for different testing steps. The Molecular Pathology Laboratory recently validated and is now performing HCV genotyping, in addition to the HCV Viral Load test already offered cystic fibrosis mutation testing, bone marrow engraftment analysis and viral load testing related to transplantation will be developed as part of the expansion of molecular services. Dr. Rennert is also working with Roche Diagnostics to introduce their new FDA approved HIV-1 molecular diagnostic test system. This system is the first PCR-based test offering automated specimen preparation followed by automated amplification and quantification of HIV-1 RNA for viral load monitoring. This will greatly enhance patient care by increasing testing reliability and decreasing turn-around time.

Dr. Rennert's research focuses on understanding the genetic components contributing to the complex, multifactorial etiology of prostate cancer, and understanding the disparity in prostate cancer incidence among different ethnic populations. She became interested in this topic several years ago while directing the Research and Development Microarray Laboratory at the Genetic Institute of Tel Aviv Sourasky Medical Center, in Tel Aviv, Israel.

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## Research Highlights

continued



Hanna Rennert, PhD

During this time she studied genetic changes associated with solid tumors and the genetic factors that predispose Israeli Jews to prostate cancer. She identified a novel truncating mutation in the enzyme 2'-5'-oligoadenylate-dependent RNase L (RNASEL), which was associated with prostate cancer risk in Ashkenazi Jews.

Dr. Rennert has continued these studies in the United States, using a multidisciplinary approach that combines methods from epidemiology, biostatistics, molecular biology, and classic genetics for studying prostate cancer. Her research subsequently focused on two promising molecular markers, RNASEL and macrophage scavenger receptor 1 (MSR1). These genes play a major role in inflammatory processes and were identified as candidate inherited susceptibility genes for familial prostate cancer. Using high throughput genotyping techniques, she has studied 16 different single nucleotide polymorphisms (SNPs) in these genes reported to be associated with prostate cancer risk in a large population of African-American and European-American case-control subjects seen at the University of Pennsylvania Health System. Certain SNPs in RNASEL and MSR1 are associated with prostate cancer characteristics (Gleason grade and TNM stage) by family history and by ethnic group. Moreover, haplotype analysis of MSR1 SNPs with frequency above >5% in either sample study demonstrates that certain SNPs have a combined protective effect on prostate cancer severity, and that patients with advanced disease are less likely to carry these haplotypes.

Ethnic background, in addition to family history and age, is a major risk factor for prostate cancer. The incidence of clinical prostate cancer is highest among African-American men and is strikingly low in native Asians. To determine the role of these genes in the disparity of prostate cancer incidence between high-risk and low-risk populations, Dr. Rennert has established a collaboration with the Sanjay Gandhi Postgraduate Institute of Medical Sciences in Lucknow, India. Preliminary studies in Asian Indians have identified a new spectrum of sequence variants in these genes, including a new deleterious mutation in RNASEL. This mutation is estimated to be present in about 1% of the Asian-Indian population.

Dr. Rennert's interest in the genetics of disease

extends beyond prostate cancer. A second research interest is exploring the role of RNASEL in programmed cell death (apoptosis) in normal peripheral blood lymphocytes and in HIV-infected cells. RNASEL is a constitutively expressed latent endonuclease that mediates the antiviral and proapoptotic activities of the interferon-inducible 2-5A system. The depletion of CD4+ T cells during human HIV-1 infection has been attributed to several mechanisms including apoptosis. Increased expression of RNASEL in Jurkat cells, for example, was shown to suppress HIV-1 replication by 8-fold. The role of RNASEL in lymphocyte function has not been extensively studied. However, Dr. Rennert has studied the expression of RNASEL in peripheral blood cells from normal individuals. Preliminary results show that RNASEL is differentially expressed among the different blood cell types, and that its expression is significantly higher in granulocytes than all other cell types. This finding is in line with the role of RNASEL as an antiviral and antibacterial gene by causing RNA degradation and inhibition of cell growth. Her current research is investigating whether RNASEL expression levels in peripheral blood lymphocytes are

indeed induced by HIV-1 infection, and whether this is associated with CD4+ T cell depletion.

A third research interest is focused on the development of molecular diagnostic assays and applications for clinical use. As a scientist with the Molecular Pathology Laboratory at University of Pennsylvania she was involved in the development of many assays, including RT-PCR for t(15;17), gene dosage analysis for spinal muscular atrophy carrier testing, and short tandem repeats (STR) analysis for monitoring allogeneic bone marrow engraftment. Her current efforts as the Director of the Molecular Pathology Laboratory at NewYork-Presbyterian Hospital are geared towards expanding the Laboratory test menu, particularly in the fields of virology, genetics, and identity testing. This includes the development and implementation of quantification assays for the herpes virus panel using real time PCR, cystic fibrosis testing and STR analysis for monitoring engraftment following bone marrow transplantation. Dr. Rennert welcomes questions about her research and about particular molecular tests that may be relevant to your patients. She can be contacted at 746-6412. ■

## Newly Awarded Grants in Pathology

### National Institutes of Health

National Institute of Allergy and Infectious Diseases  
Title: Regulation of Antibody Production by Innate Immune Cells  
Principal Investigator: Andrea Cerutti, MD  
Period of Support: 03/15/05-02/28/10  
Total Direct Costs: \$1,250,000

### National Institutes of Health

National Heart, Lung, and Blood Institute  
Title: Beyond PECAM: Mechanisms of Transendothelial Migration  
Principal Investigator: William A. Muller, MD PhD  
Period of Support: 04/01/05-03/31/10  
Total Direct Costs: \$1,250,000

### The Leukemia & Lymphoma Society

Title: Protein-based Ex Vivo Expansion of Human Hematopoietic Stem Cells  
Principal Investigator: Pengbo Zhou, PhD  
Period of Support: 07/01/05-06/30/10  
Total Direct Costs: \$525,000

### The Leukemia & Lymphoma Society

Title: Cell Cycle Control of Multiple Myeloma  
Principal Investigator: Selina Chen-Kiang, PhD  
Period of Support: 10/01/05-09/30/08  
Total Direct Costs: \$600,000

### The Leukemia & Lymphoma Society

Title: Cell Cycle Control of Multiple Myeloma Pathogenesis  
Principal Investigator: Josefina Garcia, PhD (Dr. Chen-Kiang's Lab)  
Period of Support: 07/01/05-06/30/08  
Total Direct Costs: \$126,600

### Cancer Research Institute

Title: Cancer Antigen Discovery Collaborative on Pediatric Cancer  
Principal Investigator: Yao-Tseng Chen, MD PhD  
Period of Support: 07/01/05-06/30/06  
Total Direct Costs: \$40,000

### Alice Bohmfalk Charitable Trust

Title: Mouse Model of Endometrial Tumorigenesis  
Principal Investigator: Lora Hedrick Ellenson, MD  
Period of Support: 07/01/05-06/30/06  
Total Direct Costs: \$49,503

### Genzyme Corporation

Title: Studies on the Functions of CD99 and CD99L2  
Principal Investigator: William A. Muller, MD PhD  
Period of Support: 07/01/05-06/30/06  
Total Direct Costs: \$88,000

## Keynotes

by *Domenick Falcone, PhD*

► In February 2005, **Dr. Rebecca N. Baergen** presented at the annual meeting of the Society for Maternal-Fetal Medicine on the "Ultrasound evaluation of abnormal umbilical cord coiling in second trimester of gestation as a predictor of adverse pregnancy outcome." Also in February, she presented at the USCAP meeting: "Double immunostaining for cytokeratin and collagen IV is useful for detection of microinvasion in vulvar and cervical intraepithelial neoplasia" and "Antiphospholipid syndrome and placental deposition of complement C4d." Presentations at the Society for Gynecologic Investigations included "Regulation of glucocorticoid receptor expression in intrauterine growth restricted placentas," and "Glucocorticoid receptor expression and function in the human placenta." Dr. Baergen served on the Abstract Board for the United States and Canadian Academy of Pathology, Director of the Perinatal Section of the Society for Pediatric Pathology, and Director of the annual Perinatal Symposium sponsored by the Society for Pediatric Pathology in October. In April 2005, she presented a paper on "Umbilical cord complications and adverse perinatal outcome" at the Havemayer Foundations Workshop on Comparative Placentology in Victoria, Vancouver. In May 2005, Dr. Baergen served as a faculty member in the Perinatal Course sponsored by the Society for Pediatric Pathology and Perinatal Section. She continues as a member of the Committee on Human Rights in Research and the Institutional Research Board, as well as the Adverse Events Subcommittee. She has been appointed a member of the Medical Devices Advisory committee of the Food and Drug Administration.

► **Dr. Andrea Cerutti** was awarded a new five year grant (\$1,250,000) from the National Institute of Allergy and Infectious Diseases to study the regulation of antibody production by innate immune cells. In February 2005, Dr. Cerutti was in Bethesda to serve on a special committee to review grant applications submitted to the NIAMS branch of NIH. In March 2005, Dr. Cerutti was an invited lecturer at the Oklahoma Medical Research Foundation, where he presented data on the role of the B cell-activating molecules BAFF and APRIL in health and disease. In August 2005, Dr. Cerutti was in Rockville to serve on a scientific advisory board for the evaluation of the clinical activity of LymphoStat®, a compound produced by Human Genome Sciences, and gave a seminar on the role of BAFF and APRIL in B cell lymphoma. In September 2005, Dr. Cerutti served on a special review committee for grant applications submitted to NIAMS. In the same month, Dr. Cerutti was an invited speaker at the Sjogren's Syndrome Foundation workshop "Sjogren's Syndrome: Transition from Autoimmunity to Lymphoma," which was held in Baltimore. Finally, Dr. Cerutti was chosen by the

Graduate Program in Immunology and Microbial Pathogenesis to serve as Director of the Research in Progress (RIP) Course. In addition, Dr. Cerutti has been responsible for the organization of the Pathology Research Seminar Series.

► **Dr. Ethel Cesarman** serves in the Immunology Program of the Weill-Cornell Graduate School of Medical Sciences as Director of the course on Fundamental Immunology. During the past year she served as reviewer for the National Cancer Institute Special Emphasis Panel/ Scientific Review Group. She served as an external reviewer for "Cancer Research UK" in the evaluation of the UK Viral Oncology Group in the University College of London. She participated among a small group of selected experts in a Workshop on Viral and Environmental Links to Lymphoma, organized by the Cancer Etiology Branch and the Division of Cancer Biology of the National Cancer Institute, in Bethesda, MD. Dr. Cesarman gave a Keynote Lecture on work from her research laboratory on the topic of pathogenesis associated with infection with the Kaposi's sarcoma-associated herpesvirus (KSHV/HHV-8) and other viral lymphomas at the "Congreso Nacional de Bioquímica," in Ixtapa, Mexico. She was also invited to give a talk on the same topic at the Boston Area Herpesvirus Seminar Series, Brigham and Women's Hospital of Harvard University. Her laboratory was represented at several scientific meetings. Botond Timar gave an oral presentation entitled "Activation of classical and alternative nuclear factor-kappa B (NF- $\kappa$ B) pathways in diffuse large B cell lymphomas" at the American Society of Hematology Meeting in San Diego, last December. Three members of her laboratory had oral presentations at the 8th International Workshop on KSHV and Related Agents, in Wilbad Kreuth, Germany in August. Darya Bubman gave a talk entitled "Reactive oxygen species (ROS) are induced by vFLIP and play a role in NF- $\kappa$ B activation." Ilaria Guasparri presented "The KSHV oncoprotein vFLIP contains a TRAF-interacting motif and requires TRAF2 and TRAF3 for signaling," and Denise Hernandez-Hopkins was first author on a presentation entitled "In vivo imaging of primary effusion lymphomas in mice, and effective treatment by inhibition of NF- $\kappa$ B." Daniel Di Bartolo presented a poster entitled "Repression of TGF $\beta$  signaling in primary effusion lymphomas" in the Workshop on Viral Oncogenes in Santa Fe, NM, in September. Dr. Cesarman also represented her laboratory with an oral presentation at the 9th International Conference on malignancies in AIDS and Other Acquired Immunodeficiencies: Basic, Epidemiologic and Clinical Research, in Bethesda, MD in September.

► **Dr. Amy Chadburn** attended the 2005 United States and Canadian Academy of Pathology (USCAP) meeting in San Antonio, TX, in association with six abstracts presented by trainees in the department. In April she co-organized and co-chaired the Nassau County Society of Pathology Spring Seminar held in Mineola, NY. At the conference she discussed "Problem Areas in B-cell Lymphoma Diagnosis." The following week she flew to Rome, Italy, as part of the International Symposium:

Infection-Driven Lymphomas where she spoke on "Immunosuppression and Lymphomagenesis" as part of the opening lectures (she was also there for the "white smoke" from the Vatican). In June she traveled to the University of California – Los Angeles Medical Center where she visited the Pathology Department and gave a lecture on "Immunodeficiency-Associated Lymphoproliferative Disorders." In September she traveled to the University of Arkansas Medical School Pathology Department where she lectured on the WHO classification of "Immunodeficiency-Associated Lymphoproliferative Disorders." During the month of October she reviewed abstracts for the hematopathology section of the USCAP submitted for the 2006 Atlanta, GA meeting. In the last six months she has also been selected to serve on the membership committee for the Society of Hematopathology.

► Starting July 1, 2004, **Dr. Selina Chen-Kiang** has been Director of the Graduate Program in Immunology and Microbial Pathogenesis of the Weill-Cornell Graduate School of Medical Sciences. In this capacity, she oversees the recruitment, admission and education of ~ 50 graduate students and MD-PhD students who are pursuing their PhD thesis research in 34 independent laboratories at Weill-Cornell, Sloan Kettering Cancer Institute and the Hospital for Special Surgery. Dr. Selina Chen-Kiang has been extremely active in extramural grant reviews. She is a member of the National Cancer Institute SPORE Parent Committee, which reviews SPORE cancer grants of all organs, in addition to serving as an ad hoc reviewer for the NIH Cancer Molecular Pathology Study Section and a member of the Intramural Program Review Panel. She is also a member of the Medical and Scientific Committee of the Leukemia and Lymphoma Society, which oversees reviews of Leukemia and Lymphoma Society grants of all levels, and a member of the Professional Education Subcommittee of the Leukemia and Lymphoma Society, which defines the themes and future focus of the Society's educational programs. Additionally, she sits on the Board of Directors of the New York Chapter of the Leukemia and Lymphoma Society. Dr. Selina Chen-Kiang has been an organizer and invited speaker at numerous international conferences in the past year. In 2004, she was an invited speaker on "Essential role of Cdk inhibitor in plasma cell differentiation" at the Cold Spring Harbor Immune Regulation Meeting in April; on "p18 control of B cell activation and plasma cell differentiation" at the FASEB Lymphocytes and Antibodies Conference in Vermont in June; on "Homeostatic cell cycle control of B cell activation by BLYS" at the NCI Potter Symposium in Bethesda in July; a keynote speaker on "Cell cycle dysregulation in multiple myeloma" at the Lymphoma and Myeloma Workshop in New York in October; and on "Cdk inhibitor control of B cell activation and plasma cell differentiation" at the International Workshop on Cell Death, Cell Cycle, Cell

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# Keynotes

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Senescence in Japan in November. Since 2005, she has been invited to speak on "Dysregulation of G1 cell cycle checkpoints in multiple myeloma" at the International Workshop on Multiple Myeloma in Australia in April; on "Control of multiple myeloma by cyclin-dependent kinase inhibitors" at the ASCO Annual Meeting in Florida in May. She also chaired a session on myeloma biology at the ASH Annual Meeting in December of 2005. In between organizing and speaking at meetings, Dr. Selina Chen-Kiang is a frequently invited seminar speaker. These include seminars on "Cell cycle control of self-renewal in multiple myeloma" at the University of Massachusetts Medical Center and on "Cdk inhibitor control of B cell terminal differentiation" at NCI in May of 2005.

▶ **Dr. Yao-Tseng Chen** was invited as a keynote speaker in the Moscow Conference on Computational Molecular Biology, held in July 18-21 this year at Moscow State University. His presentation, titled "Identification of new cancer/testis antigens by massively parallel signature sequencing," summarized his recently published work in Proc. Natl. Acad. Sci. USA; this paper was also showcased in the "Research Highlights" section in "Nature Review: Cancer."

▶ In collaboration with Dr. Yao Chen, **Dr. Scott Ely** has been studying CT antigen expression and function in lymphomas and plasma cell neoplasms. This work has been presented at the ASH meeting in San Diego (2004), at the United States and Canadian Academy of Pathology meeting in San Antonio (2005), and in the upcoming ASH meeting in Atlanta, GA (2005). Dr. Ely presented "Blastoid Transformation of Mantle Cell Lymphoma" at the New York City Pathologists Club's November meeting at North Shore University Hospital. Dr. Ely is a consultant for an NIH-funded program project entitled "Doxorubicin-Immunoconjugate Therapy of NHL" at the Center for Molecular Medicine and Immunology in Belleville, NJ.

▶ **Drs. Domenick J. Falcone** and K.M. Faisal Khan attended the annual meeting of the American Association of Experimental Pathology in San Diego, CA (April, 2005), where they presented two posters: "Targeting PGE2 receptors as a strategy to block extracellular matrix-induced MMP-9 expression by macrophages" and "Membrane-bound plasmin participates in a proteinase cascade responsible for macrophage activation of pro-MMP-9." In addition to his NHLBI sponsored research, Dr. Falcone received a two year grant from the Center for Cancer Prevention to study extracellular matrix induction of proteinases by tumor cells. In June, Dr. Falcone was invited to present a lecture on "Web-based Innovations in Teaching Histology," during the annual Medical College teaching retreat, and received awards for teaching excellence in the Host Defenses course, and for the

development of the Web-based Atlas of Histology.

▶ **Dr. Syed Hoda** lectured at various national and international meetings in multiple locations including the following: on "Emerging Pathology Issues in Breast Cancer" at the School of Breast Oncology (SOBO) at Emory in Atlanta, GA in November 2004; on "Controversial Issues in Pathology of Breast Carcinoma" at the Mexican Academy of Cytopathology in Monterrey, Mexico, in December 2004; on "The Pap Smear: Current Criteria and Changing Concepts" at USCAP in March 2005. American Society of Clinical Pathologists (ASCP) Weekends in Pathology in Toronto, Canada in April 2005 on Pathology of Needle Core Biopsies of Breast on "Pathological Effects of Cryoablation on Breast Tumors" American College of Surgeons Oncology Group (ACOSOG) in Chicago, IL, in June 2005; on "Issues in Diagnostic Breast Pathology" University of Kyoto, Japan, in August 2005; on "Practical Considerations in Differential Diagnosis in Pap Smear" and on "Pathology of Sentinel Lymph Nodes in Breast Carcinoma" at the annual ASCP meeting in Seattle in October 2005. In the same month, Dr. Hoda also delivered multiple lectures at the Second New Zealand National Breast Conference in Auckland including one during the plenary session entitled "New Frontiers in Breast Pathology." This year, Dr. Syed Hoda was re-elected Secretary of the New York Pathological Society.

▶ **Dr. Daniel Knowles**, Chairman and Pathologist-in-Chief, actively participated in the Annual Meeting of the United States and Canadian Academy of Pathology held in San Antonio, Texas in March, 2005. In addition to attending the annual meetings of several Editorial Boards upon which he serves, Dr. Knowles co-authored five abstracts with other members of the Cornell Hematopathology group as well as with house staff and fellows. He participated in the Sixth Annual Pathology Update sponsored by the Department of Pathology and Laboratory Medicine at the University of Louisville in May 2005. There, he lectured on "AIDS-Associated Lymphoid Neoplasia" and "Immunodeficiency-Associated Lymphoproliferative Disorders." A few days later he visited the Methodist Hospital in Houston, Texas, reviewing the Department of Pathology with Dr. Michael Lieberman and also presenting "Primary Effusion Lymphoma: A New Clinical Pathologic Entity Associated with Kaposi's Sarcoma-Associated Herpes Virus" at the Methodist Hospital Grand Rounds. In his capacity as President of the New York Pathological Society Dr. Knowles developed and chaired the New York Pathological Society President's Symposium on "Molecular Pathology of Neoplasia" held in June 2005. Two members of the Department, Drs. Debra G.B. Leonard and Lynn Wang, were among the five speakers at the Symposium. In September, Dr. Knowles attended the Annual Meeting of the North East Pathology Chairs in Bermuda where he participated in discussions concerning pathology resident education and training.

▶ This year **Dr. Davise Larone** was selected by the Medical Mycological Society of the Americas to receive

the annual Billy H. Cooper Memorial Award for excellence in clinical research, laboratory diagnostic procedures, and teaching. The award is conferred upon an individual who has contributed substantially to the clinical applications of medical mycology, particularly in laboratory diagnosis and recognition of mycoses. Dr. Larone conducted full-day Clinical Mycology Workshops for the Southeastern Association for Clinical Microbiology in Myrtle Beach, SC in November, 2004 and for the Southwestern Association in Tulsa, OK in September, 2005. In November 2004, she was invited to present an "Update on Clinical Mycology" to the Illinois Society for Microbiology in Chicago, IL and a lecture on "Antifungal Susceptibility Testing" at a seminar on Resistance Testing Challenges in Atlanta, GA in March, 2005. At a seminar on Technological Advances in Microbiology in Atlanta in June, 2005, she spoke on "New Mycology Media for the Clinical Laboratory." At the annual meeting of the Pan American Society for Clinical Virology in Clearwater, FL in May, 2005, Dr. Larone presented "Decreasing Indeterminant Results with BD ProbeTec ET *Chlamydia trachomatis* and *Neisseria gonorrhoeae*," and she was coauthor of an abstract entitled "Use of Polymyxin B in the Treatment of Multidrug-resistant (MDR) *Acinetobacter baumannii* Infection on a Burn Unit" which was presented at the Annual Meeting of the American Burn Association. At the annual national meeting of the American Society for Microbiology in Atlanta in June 2005, Dr. Larone, with several pathology residents, presented three posters: "CHROMagar Candida as a Source Medium for Isolates to be Tested with the New VITEK 2 Yeast Identification Card" and "Comparative Study of the New Colorimetric Vitek 2 Yeast Identification Card vs the Older Fluorometric Vitek 2 Yeast Card" with Drs. Cheri Aubertine, Michael Rivera, and Stephen Rohan, and "Stability of Mueller-Hinton Agar Plates Flooded with Glucose and Methylene Blue for Fluconazole Disk Diffusion Testing of *Candida Species*" with Drs. Matthew Bramlage and Theresa Scognamiglio.

▶ **Dr. Ehud Lavi's** laboratory is focusing on Neurovirology and Neuroimmunology projects using an experimental model system of coronavirus infection of the mouse brain, a model system for the human multiple sclerosis disease. Two research articles from the lab were recently submitted. The first article reports the identification of a single point mutation in the MHV coronavirus genome that abolishes the ability of the virus to cause demyelination in mice. The second article analyzes the differential quantitative Real-time PCR transcript profile of pro-inflammatory cytokine signals in astrocytes and microglia following infections of cell cultures with neurotropic and non-neurotropic viruses. With the help of Dr. Cris Constantinescu from the University of Nottingham in the UK, Dr. Lavi edited a book entitled "Experimental Models of Multiple Sclerosis," to be published in November 2005 by "Springer Publishing Company." Dr. Lavi gave the first video-sessions of the

## Keynotes

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Neuropathology Module of Brain and Mind to the medical students of Cornell Medical School in Qatar.

► **Dr. William A. Muller** served as President of the North American Vascular Biology Organization (NAVBO) as well as Chairman of the FASEB Summer Research Conferences Advisory Committee. He was appointed to the Editorial Committee of the newly founded Annual Review of Pathology: Mechanisms of Disease. He began a three-year term as a Charter Member of the Atherosclerosis and Inflammation in the Cardiovascular System (AICS) study section for the NIH. He continues to serve as Editor of the Journal of Experimental Medicine. At Weill Medical College he is Chairman of the General Faculty Council and serves on more committees than he can count, including the Committee of Review, the Committee on Science, the Conflicts Advisory Panel, the Research Awards Committee; for the Graduate Program in Immunology he heads the NIH Training Grant and serves on the Admissions Committee and the Admission to Candidacy Exam Committee. This year Dr. Muller received a MERIT Award from the NIH for his pioneering work on the molecular basis of inflammation. He was an invited speaker at many national and international scientific meetings within the past year including the Keystone Symposium on Atherosclerosis, the American Society for Investigative Pathology national meeting in San Diego, the Gordon Conference on Wound Repair, the Gordon Conference on Atherosclerosis, and the International Leukocyte Biology Meeting in Oxford, UK. The topic at these meetings was "Cellular and Molecular Control of Transendothelial Migration by Leukocytes." Along with several other NAVBO members, he ran Vasculata, a three day course on modern vascular biology for graduate students and postdoctoral fellows at Dartmouth College this July. Dr. Zahra Mamdouh and graduate student Bidisha Dasgupta from his laboratory were selected to present their work in a special mini-symposium on Leukocyte-Endothelial Cell Interactions at the Experimental Biology 2005 meeting in San Diego.

► **Dr. Ellinor Peerschke** was elected President-elect of the Academy of Clinical Laboratory Physicians and Scientists in Pittsburgh, PA at the society's annual meeting in June. The Academy of Clinical Laboratory Physicians and Scientists represents individuals engaged in clinical practice and residency training in all areas of Laboratory Medicine in the United States. In addition, she was elected Vice President of the North American Specialty Coagulation Laboratory Association, an organization for which she serves as Chair of the Proficiency Testing Committee. Dr. Peerschke was invited to lecture on various topics in hemostasis during the past year, including a coagulation workshop in New York City in May sponsored by Stago Diagnostics, and a symposium on quality control in coagulation at the Mayo Clinic in Rochester, MN. In addition to her clinical interests, Dr. Peerschke conducts a research program examining

the role of platelet and endothelial cell complement receptors in inflammation and infection, particularly *S. aureus endocarditis*. Her work has been presented at invited seminars in May at Temple University, Thrombosis Center, Philadelphia, PA, and in July at the Medical School of Zulia University in Maracaibo, Venezuela.

► **Dr. Edyta C. Pirog** presented "Double immuno-staining for cytokeratin and basement membrane components is useful for detection of microinvasion in vulvar and cervical intraepithelial neoplasia" at the annual USCAP meeting. She also presented "PNET arising in ovarian teratoma" at the New York Pathology Club, Unknown Case Conference, in June 2005.

► **Dr. Surya Seshan** coordinated the first ever three day International CME in Renal Pathology "Update on Medical and Surgical Diseases of the Kidney" at the Sanjay Gandhi postgraduate Institute of Medical Sciences, Lucknow, India, in March and presented several lectures on the pathology of primary glomerular diseases, vascular diseases of the kidney and classification of lupus glomerulonephritis and antiphospholipid antibody syndrome. She was elected "Councillor" by the Renal Pathology Society this year. In September, she attended the 20th European Congress of Pathology meeting in Paris, France and served as a co-chairperson in a session on "Berger's IgA nephropathy and Henoch-Schonlein purpura" and was an invited speaker on "Vascular lesions in IgA nephropathy" and "Thrombotic microangiopathies – an overview" in a short course at the same meeting in Paris. Dr. Seshan was also busy lecturing in the tri-state area presenting grand rounds at Hospital for Special Surgery "Classification of lupus glomerulonephritis — an update," and was an invited speaker at a clinicopathologic conference at HSS last spring. She also presented grand rounds at the Department of Pathology of University Hospital, UMDNJ, Newark, NJ on "Glomerular and tubulo-interstitial diseases" in April and at the Department of Medicine of St. Joseph's Hospital and Medical Center, Paterson, New Jersey in "Paroxysmal nocturnal hemoglobinuria — a cause of acute and chronic renal failure" in June. Also in April, Dr. Seshan participated in the Renal Pathology Course on "Morphologic findings in Medical renal disease and transplants: with clinicopathological correlations" and gave lectures on "Pathology of acute renal failure including thrombotic microangiopathies" and "unusual renal lesions." Dr. Seshan was an invited speaker at the companion meeting of the Annual Meeting of the American Society of Clinical Pathologists in October in Seattle, WA on "Classification of lupus glomerulonephritis: New developments and implications." She was an author or coauthor of 15 abstract presentations in various national and international meetings.

► **Dr. Wayne Tam** presented "PRDM1 Is a Tumor Suppressor Gene in Diffuse Large B-cell Lymphomas" at USCAP in March 2005. This seminal work identified PRDM1 as a tumor suppressor gene in this group of lymphomas. He is now continuing work to further understand the role of microRNAs and PRDM1 in

lymphomagenesis and hopes that these new discoveries can lead to effective therapeutic strategies.

► In April 2005, **Drs. Rita Upmacis** and **Ruba Deeb** attended the Experimental Biology 2005 meeting in San Diego, California, and presented "Deactivation of prostaglandin H2 synthase by peroxyinitrite." Dr. Upmacis received a three-year award from Philip Morris USA and Philip Morris International to study "Deactivation Mechanisms of Cyclooxygenase." In January 2005, Dr. Upmacis was invited to serve on a doctoral thesis defense committee in the Department of Chemistry, Columbia University. In February 2005, Dr. Deeb was an invited speaker at the Atorvastatin Research Award summit meeting in Key Biscayne, Florida and presented a talk entitled "Structural and functional analysis of the deactivation of prostaglandin H2 synthase-1 by nitrogen oxide species."

► **Dr. Madeline F. Vazquez** was named Chief of Cytopathology in August 2005. She is on the steering committee of the International Early Lung Cancer Action Program [I-ELCAP] and participated in the ASCO - IASLC Consensus Conference on Bronchioloalveolar Cell Carcinoma held at Memorial Sloan-Kettering Cancer Center in November 2004. She was also on the faculty of the refresher course "Screening for Lung Cancer" held at the annual meeting of the Radiological Society of North America in Chicago. Dr. Vazquez was the senior author on several abstracts presented at national meetings including; "Hybrid capture 2 high-risk human papillomavirus (HPV) DNA testing for atypical glandular cells (AGC): A crucial adjunct for cancer prevention" (presented by Anjali Saqi at American Society of Cytopathology, 52nd Annual Scientific Meeting, in Chicago, Illinois), "Ki-67 and p53 Antigen detection in aspiration biopsies of non-small cell carcinoma of the lung" (presented by N Cai at USCAP), "Is Her-2/neu status determined by immunohistochemistry in cell block preparations accurate and reliable? A concordance study of immunohistochemistry and fluorescence in-situ hybridization." (presented by Sandra Shin at USCAP), "Atypical bronchioloalveolar proliferation: A new cytologic category for lung aspiration biopsy representing a bronchioloalveolar growth pattern" (presented by JL Morhaim at USCAP) and "Chromosomal amplification as a molecular marker to predict neoplastic potential in fine needle biopsies of spiral CT identified small lung nodules" (presented by J Jen at the American Association for Cancer Research). In September 2005, Dr. Vazquez presented "CT-detected lung cancers in the Early Lung Cancer Action Project (ELCAP): Cytologic findings on transthoracic FNA" at Pathology Grand Rounds at University of Pittsburgh Medical Center Shadyside Hospital.

► **Dr. Y. Lynn Wang** spoke in June 2005 at the New York Pathological Society President's Symposium on "Molecular Diagnosis and Monitoring of Non-Hodgkin's Lymphoma." She was also invited to present her work on "Comparison and Selection of the Control Gene For Molecular Monitoring of BCR-ABL" at Molecular Monitoring Of Patients With Chronic Myeloid Leukemia:

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## Keynotes

continued

A Consensus Workshop held at the National Heart, Lung and Blood Institute, NIH. The workshop gathered together 30 experts from Europe, Australia, Canada and the United States to draw international guidelines for molecular monitoring of BCR-ABL by real time PCR. A manuscript regarding this work has been accepted for publication by the Journal of Molecular Diagnostics.

▶ **Dr. Pengbo Zhou** received a Scholar Award from the Leukemia and Lymphoma Society as well as a new R01 grant from the NIH to study the role of CUL-4A ubiquitin ligase in leukemogenesis. He also served on the Molecular Oncogenesis Study Section at NIH and the Cell Cycle and Growth Control Study Section at the American Cancer Society. His invited seminar/ presentations this year included the 2005 Cold Spring Harbor meeting on the Ubiquitin Family, the 8th International Conference on Emerging Technologies in Drug and Gene-based Therapeutics, the University of Pennsylvania, the Gladstone Institute of the University of California in San Francisco, Roche Pharmaceuticals (Palo Alto, CA), and Protein Design Labs (PDL). ■

▶ The Department bids farewell to our dear friend and colleague **Dr. M. Desmond Burke**, who has officially retired from the Weill Medical College on November 10th, 2005. A reception was held in his honor on that day. He will be truly missed!



Dr. Daniel Knowles (right) presented Dr. Burke with a sterling Tiffany platter with a special inscription and the engraved signatures of individuals with whom he closely worked.



Mr. William T. Greene, Vice President of Operations, (right) presented Dr. Burke with a pair of 18 carat gold cufflinks of the original Hospital seal.

## Faculty Publications in 2005

**Akhtar M, Al Mana H:** Molecular basis of proteinuria. *Adv in Anat Pathol* 11:304-309, 2004.

**Akhtar M, Aslam M, Al Mana H:** Intravascular papillary endothelial hyperplasia of renal vein: report of two cases. *Arch of Pathol* 129:516-519, 2005.

**Akhtar M:** Broadening spectrum of renal cell carcinoma in children and young adults. *Adv in Anat Pathol* 12:37-38, 2005.

**Akhtar M:** Renal oncocytoma versus chromophobe renal cell carcinoma: debate goes on. *Adv in Anat Pathol* 12:152-153, 2005

Al Bhalal Lulu, **Akhtar M:** Molecular basis of autosomal dominant polycystic kidney disease. *Adv in Anat Pathol* 12:126-133, 2005.

Redline RW, Arial I, **Baergen RN**, deSa DJ, Kraus FT, Roberts DJ, Sander CM: Fetal vascular obstructive lesions: Nosology and reproducibility of placental reaction patterns. *Pediatr Develop Pathol* 7:443-452, 2004.

Predanic M, Perni SC, Chason ST, **Baergen RN**, Chervenak FA: An assessment of the umbilical cord coiling at the routine fetal ultrasound anatomy survey in second trimester. *J Ultrasound Med* 24:185-191, 2005.

Predanic M, Perni SC, Chasen ST, **Baergen RN**, Chervenak FA: Ultrasound evaluation of abnormal umbilical cord coiling in second trimester of gestation in association with adverse pregnancy outcome. *Am J Obstet Gynecol* 193:387-394, 2005.

Perni SC, Cho JE, **Baergen RN:** Placental pathology and pregnancy outcomes in donor and non-donor oocyte in vitro fertilization pregnancies. *J Perinatal Med* 33:27-32, 2005.

Predanic M, Perni SC, **Baergen RN**, Jean-Pierre C, Chase ST, Chervenak FA: A sonographic assessment of different patterns of placenta previa "migration" in the third trimester of pregnancy. *J Ultrasound Med* 24:773-780, 2005.

Rush D, **Hyjek E, Baergen RN, Ellenson LH, Pirog EC:** Detection of microinvasion in vulvar and cervical intraepithelial neoplasia using double immunostaining for cytokeratin and basement membrane components. *Arch Pathol Lab Med* 129:747-753, 2005.

Lockwood CJ, Paidas M, Krikun G, Koopman L, Masch R, Kuczynski E, Kliman H, **Baergen RN**, Schatz F: Inflammatory cytokine and thrombin regulation of interleukin-8 and intercellular adhesion molecule-1 expression in first trimester human decidua.

*J Clin Endocrinol Metab* 90: 4710-4715, 2005.

**Baergen RN:** Manual of Benirschke and Kaufmann's Pathology of the Human Placenta. New York: Springer-Verlag 2005.

Liu S, **Cerutti A**, Casali P, Crow MK: Ongoing immunoglobulin class switch DNA recombination in lupus B cells: analysis of switch regulatory regions. *Autoimmunity* 37:431-443, 2004.

**Cerutti A**, Xugang Qiao, He B: Plasmacytoid dendritic cells and the regulation of immunoglobulin heavy chain class switching. *Immunol Cell Biol* 83:554-562, 2005.

Kaplan LD, Lee JY, Ambinder RF, Sparano JA, **Cesarman E, Chadburn A**, Levine AM, Scadden DT: Rituximab does not improve clinical outcome in a randomized phase 3 trial of CHOP with or without rituximab in patients with HIV-associated non-Hodgkin lymphoma: AIDS-Malignancies Consortium Trial 010. *Blood* 106:1538-1543, 2005.

Chang H, Gwack Y, Kingston D, Souvlis J, Liang X, Means RE, **Cesarman E**, Hutt-Fletcher L, Jung JU: Activation of CD21 and CD23 gene expression by Kaposi's sarcoma-associated herpesvirus RTA. *J Virol* 79:4651-4663, 2005.

**Fan W, Bubman D, Chadburn A**, Harrington W J Jr, **Cesarman E, Knowles DM:** Distinct subsets of primary effusion lymphoma can be identified based on their cellular gene expression profile and viral association. *J Virol* 79:1244-1251, 2005.

Leonard JP, Coleman M, Kostakoglu L, **Chadburn A, Cesarman E**, Furman RR, Schuster MW, Niesvizky R, Muss D, Fiore J, Kroll S, Tidmarsh G, Vallabhajosula S, Goldsmith SJ: Abbreviated chemotherapy with fludarabine followed by tositumomab and iodine I 131 tositumomab for untreated follicular lymphoma. *J Clin Oncol* 23:5696-5704, 2005.

Leonard JP, Coleman M, Ketas J, Ashe M, Fiore JM, Furman RR, Niesvizky R, Shore T, **Chadburn A**, Home H, Kovacs J, Ding CL, Wegener WA, Horak ID, Goldenberg DM: Combination antibody therapy with epratuzumab and rituximab in relapsed or refractory non-Hodgkin's lymphoma. *J Clin Oncol* 23:5044-5051, 2005.

Eis PS, **Tam W**, Sun L, **Chadburn A**, Li Z, **Gomez MF**, Lund E, Dahlberg JE: Accumulation of miR-155 and BIC RNA in human B cell lymphomas. *Proc Natl Acad Sci USA* 102:3627-3632, 2005.

Fujita S, Wada H, Jungbluth AA, Sato S, Nakata T, Noguchi Y, Doki Y, Yasui M, Sugita Y, Yasuda T, Yano M, Ono T, **Chen YT**, Williamson B, Stockert E, Gnjatich S, Old LJ, Nakayama E, Monden M: NY-ESO-1 expression and immunogenicity in esophageal cancer. *Clin Cancer Res* 10:6551-6558, 2004.

**YT Chen, Gure AO**, Scanlan MJ: Serological analysis of expression cDNA libraries (SEREX): an immunoscreening technique for identifying immunogenic tumor antigens. *Methods Mol Med* 103:207-216, 2004.

Wang Y, Wu XJ, Zhao AL, Yuan YH, **Chen YT**, Jungbluth AA, Gnajatic S, Santiago D, Ritter G, Chen WF, Old LJ, Ji JF: NY-ESO-1 expression and autologous humoral immunity to NY-ESO-1 in gastric cancer. *Cancer Immun* 4:11, 2004.

Lee SY, Williamson B, Caballero OL, **Chen YT**, Scanlan MJ, Ritter G, Jongeneel CV, Simpson AJ, Old LJ: Identification of the gonad-specific anion transporter SLC06A1 as a cancer/testis (CT) antigen expressed in human lung cancer. *Cancer Immun* 4:13, 2004.

Campagnolo C, Meyer KJ, Ryan T, Atkinson RC, **Chen YT**, Scanlan MJ, Ritter R, Old LJ, Batt CA: Real-time label-free monitoring of tumor antigens and serum antibody interactions. *J Biochem Biophys Methods* 61:283-298, 2004.

Huarte E, Karbach J, Gnajatic S, Bender A, Jäger D, Arand M, Atanackovic D, Skipper J, Ritter G, **Chen YT**, Old LJ, Knuth A, Jäger E: HLA-DP4 expression and immunity to NY-ESO-1: correlation and characterization of cytotoxic CD4+CD25-CD8- T cell clones. *Cancer Immun* 4:15, 2004.

Vaughan HA, Svobodova S, MacGregor D, Sturrock S, Jungbluth AA, Browning J, Davis ID, Parente P, **Chen YT**, Stockert E, St. Clair F, Old LJ, Cebon J: Immunohistochemical and molecular analysis of human melanomas for expression of the human cancer testis (CT) antigen NY-ESO-1 and LAGE-1. *Clin Cancer Res* 10: 8396-8404, 2004.

Ayyoub M, Merlo A, Hesdorffer CS, Speiser D, Rimoldi D, Cerottini JC, Ritter G, **Chen YT**, Old LJ, Stevanovic S, Valmori D: Distinct but overlapping T helper epitopes in the 37-58 region of SSX-2. *Clin Immunol* 114:70-78, 2005.

Sato S, Noguchi Y, Wada H, Fujita S, Nakamura S, Tanaka R, Nakada T, Hasegawa K, Nakagawa K, Koizumi F, Ono T, Nouse K, Jungbluth A, **Chen YT**, Old LJ, Shiratori Y, Nakayama E: Quantitative real-time RT-PCR analysis of NY-ESO-1 and LAGE-1a mRNA expression in normal tissues and tumors, and correlation of the protein expression with the mRNA copy number. *Int J Oncol* 26:57-63, 2005.

Murphy R, Green S, Ritter G, Cohen L, Ryan D, Woods W, Rubira M, Cebon J, Davis ID, Sjolander A, Kypridis A, Kalnins H, McNamara M, Maloney MB, Ackland J, Cartwright G, Rood J, Dumsaday G, Healey K, Maher D, Maraskovsky E, **Chen YT**, Hoffmann EW, Old LJ, Scott AM: Recombinant NY-ESO-1 cancer vaccine: production and purification of a tumour specific antigen under cGMP conditions. *Prep Biochem Biotech* 35:119-134, 2005.

Ayyoub M, Merlo A, Hesdorffer CS, Rimoldi D, Speiser D, Cerottini JC, **Chen YT**, Old LJ, Stevanovic S, Valmori

D: CD4+ T cell responses to SSX4 in melanoma patients. *J Immunol* 174:5092-5099, 2005.

**Chen YT**, Scanlan MJ, Venditti CA, Chua R, Theiler G, Stevenson BJ, Iseli C, **Gure AO**, Vasicek T, Strausberg RL, Jongeneel CV, Old LJ, Simpson AJG: Identification of cancer/ testis-antigen genes by massively parallel signature sequencing. *Proc Natl Acad Sci USA* 102:7940-7945, 2005.

Chen B, Saip P, **Chen YT**, Ustuner Z, Fonen M, Simpson AJG, Old LJ, Ozbek U, Gure AO: Frequency of SOX group B (SOX1, 2, 3) and ZIC2 antibodies in Turkish small cell lung cancer patients and their correlation with clinical parameters. *Cancer* 103:2575-2583, 2005.

**Chen YT**, Venditti CA, Theiler G, Stevenson BJ, Iseli C, **Gure AO**, Jongeneel CV, Old LJ, Simpson AJG: Identification of CT46/HORMAD1, an immunogenic cancer/testis antigen encoding a putative meiosis-related protein. *Cancer Immun* 5:9, 2005.

Simpson AJG, Caballero OL, Jungbluth A, **Chen YT**, Old LJ: CT antigens, gameto- genesis and cancer. *Nature Rev Cancer* 5:615-625, 2005.

**Chen YT, Tu JJ**, Kao J, Zhou XK, Mazumdar M: Messenger RNA Expression Ratios among Four Genes Predict Subtypes of Renal Cell Carcinoma and Distinguish Oncocytoma from Carcinoma. *Clin Cancer Res* 11:6558-6566, 2005.

**Chen-Kiang S**: Multiple myeloma and plasma cells: Cell-cycle and apoptotic controls. Invited chapter in "Myeloma: biology and management." Malpas JS, Bersagel DE, Kyle RA, Anderson KC: (Eds):3:21-33, 2004.

Ramiro A, Jankovic M, Eisenreich T, Difilippantonio S, **Chen-Kiang S**, Honjo T, Nussenzweig A, Nussenzweig MC: AID is required for c-myc/IgH chromosome translocations in vivo. *Cell* 118:431-438, 2004.

**Huang X, Di Liberto M**, Cunningham AF, **Kang L**, Cheng S, **Ely S, Liou H-C**, MacLennan ICM, Chen-Kiang S: Homeostatic cell-cycle control by BlyS: induction of cell cycle entry but not G1/S transition in opposition to p18INK4C and p27Kip1. *Proc Natl Acad Sci* 101:17789-17794, 2004.

Jungbluth AA, **Ely S, Di Liberto M, Niesvizky R**, Williamson B, Frosina D, **Chen YT**, Bhardwaj N, Chen-Kiang S, Old L, Cho HJ: The Cancer-Testis antigens CT7 (MAGE-C1) and MAGE-A3/6 are commonly expressed in multiple myeloma and correlate with plasma cell proliferation. *Blood* 106:167-174, 2005.

Wu K, Cho Y-S, Katz J, Ponomarev V, **Chen-Kiang S**, Danishefsky S-J, Moore MAS: Investigation of the anti-tumor effect of synthetic epothilone analogs in human myeloma models in vitro and in vivo. *Proc Natl Acad Sci USA* 102:10640-10645, 2005.

**Chen-Kiang S**: Biology of plasma cells. Invited chapter in "Advances in the biology and management of plasma

cell dyscrasia." Kyle, R A (Eds):18: 493-507, 2005.

**Gill M**, Celebi JT: B-RAF and Melanocytic Neoplasia. *J Amer Aca Derm* 53:108-14, 2005.

Bergman S, **Hoda S**, Geisinger KR, Creager AJ, Trupiano JK: E-cadherin-negative primary small cell carcinoma: report of a case and review of the literature. *Amer J Clin Pathol* 121:117-121, 2004.

**Hoda S**: Non-epithelial malignancies of the breast – a review. *Oncol* 18:673-674, 2004.

**Upmacis RK, Deeb RS**, Resnick MJ, Mittar D, **Hajjar DP**: Involvement of the mitogen- activated protein kinase cascade in peroxynitrite-mediated arachidonic acid release in vascular smooth muscle cells. *Am J Physiol*, 286:C1271-1280, 2004.

Paoletti R, Gotto AM, **Hajjar DP**: Inflammation in atherosclerosis and implications for therapy. *Circulation*, 109:1-7, 2004.

**Nicholson AC, Hajjar DP**: CD36 Oxidized LDL and PPAR?: Pathological interactions in macrophages and atherosclerosis. *J Gen Pharmacol* 41:139-146, 2004.

Yu JJ, Brennan M, Christos P, Osborne MP, **Hoda S**, Simmons RM: Bone marrow micrometastases and adjuvant treatment of breast cancer. *The Breast J* 10:181-185, 2004.

**Hoda S, Rosen PP**: Observations on the pathologic diagnosis of selected unusual lesions in needle core biopsies of breast. *The Breast J* 522-527, 2004.

**Rivera M, Merlin S, Hoda RS, Gopalan A, Hoda SA**: Minimal involvement of sentinel lymph node in breast carcinoma: concepts and challenges. *Intl J Surg Pathol* 12:301-306, 2004.

Hoda R, **Hoda S**: Yet more analogies in Cytopathology. *Diag Cytopathol* 30:133, 2004.

**Harigopal M, Hoda S**: Peculiar calcification associated with pregnancy-like hyperplasia in breast. *The Breast J* 10:551, 2004.

Trocciola M, **Hoda S**, Osborne MP, Christos PJ, Martins D, Simmons RM: Do bone marrow metastasis correlate with sentinel lymph node metastasis in breast ca patients. *J Amer Col Surg* 200:72-725, 2005.

**Gopalan A, Hoda S**: Columnar cell hyperplasia and lobular carcinoma in situ coexisting in the same duct. *The Breast J* 11:210, 2005.

Egan JA, Ionescu MC, Eapen E, **Jones JG**, Marshall DS: Differential expression of WT1 and p53 in serous and endometrioid carcinomas of the endometrium. *Int J Gynecol Pathol* 23:119-222, 2004.

Cao QJ, Belbin T, Socci N, Balan R, Prystowsky MB, Childs G, **Jones JG**: Distinctive gene expression profiles by cDNA microarrays in endometrioid and serous carcinomas of the endometrium. *Int J Gynecol Pathol* 23:321-329, 2004.

*continued on page 8*

# Faculty Publications in 2005

*continued*

Goldman NA, de Los Angeles MM, **Jones JG**, Goldberg GL: Malignant mixed müllerian tumor of the uterus in a patient taking raloxifene. *Obstet Gynecol* 105:1278-1280, 2005.

**Fan W**, Bubman D, **Chadburn A**, Harrington WJ, **Cesarman E**, **Knowles DM**: Distinct subsets of primary effusion lymphoma can be identified based on their cellular gene expression profile and viral association. *J Virol* 79:1244-51, 2005.

**Cai N**, **Koizumi J**, **Vazquez M**: Mammary carcinoma with osteoclast-like giant cells: A study of four cases and a review of literature. *Diagn Cytopathol* 33:246-251, 2005.

Linggi MS, Burke TL, Williams BB, Harrington A, **Kraemer R**, Hempstead BL, Yoon SO, Carter BD: Neurotrophin receptor interacting factor (NRIF) is an essential mediator of apoptotic signaling by the p75 neurotrophin receptor. *J Biol Chem* 280:13801-13808, 2005.

Teng, HK, Teng KK, Lee R, Wright S, Tevar S, Kermani P, Chen Z-Y, Lee F, **Kraemer R**, Nykjaer A, Hempstead BL: ProBDNF induces neuronal apoptosis via activation of a receptor complex of p75NTR and Sortilin. *J Neurosci* 25:5455-5463, 2005.

Murray, MP, Zinchuk R, **Larone DH**: Chromagar Candida as the sole primary medium for the isolation of yeasts and as a source medium for the rapid assimilation of trehalose test. *J Clin Microbiol* 43:1210-1212, 2005.

Palma M, Zurita J, Ferreras JA, Worgall S, **Larone DH**, Shi L, Campagne F, Quadri LE: Pseudomonas aeruginosa SoxR does not conform to the archetypal paradigm for SoxR-dependent regulation of the bacterial oxidative stress adaptive response. *Infect Immun* 73:2958-66, 2005.

Coley SE, **Lavi E**, Sawicki SG, Fu L, Schelle B, Karl N, Siddell SG, Thiel V: Recombinant mouse hepatitis virus strain A59 from cloned, full-length cDNA replicates to high titers in vitro and is fully pathogenic in vivo. *J Virol* 79:3097-3106, 2005.

**Lavi E**: Histopathology in coronavirus-induced demyelination. In: Lavi E, Constantinescu CS (editors): "Experimental models of multiple sclerosis" Springer Academic Publishers. New York. pp711-716, 2005.

Fu L, **Lavi E**: Molecular determinants of MHV pathogenesis. In: Lavi E, Constantinescu CS (editors): "Experimental models of multiple sclerosis" Springer Academic Publishers. New York. pp849-858, 2005.

Li Y, **Lavi E**: The role of astrocytes, microglia and endothelial cells in MHV-induced-demyelination:

induction of cytokines and other signaling mechanisms. In: Lavi E, Constantinescu CS (editors): "Experimental models of multiple sclerosis" Springer Academic Publishers. New York. pp717-736, 2005.

Schwartz T, **Lavi E**: Apoptosis in MHV induced demyelination. In: Lavi E, Constantinescu CS (editors): "Experimental models of multiple sclerosis" Springer Academic Publishers. New York. pp833-838, 2005.

**Murray MP**, Zinchuk R, **Larone DH**: Chromagar Candida as the sole primary medium for the isolation of yeasts and as a source medium for the rapid assimilation of trehalose test. *J Clin Microbiol* 43:1210-1212, 2005.

Kesari A, **Rennert H**, **Leonard DGB**, Mittal B: SMN1 dosage analysis in spinal muscular atrophy from India. *BMC Med Genetics* 6:22-26, 2005.

**Rennert H**, Zeigler-Johnson CM, Addya K, Finley MJ, Walker AH, Spangler E, **Leonard DGB**, Wein A, Malkowicz SB, Rebbeck TR: Association of susceptibility alleles in ELAC/HPC2, RNASEL/HPC1, and MSR1 with prostate cancer severity in European American and African American men. *Cancer Epidemiol Biomarkers Prev* 14:949-957, 2005.

Patel JB, Wallace RJ Jr., Brown-Elliott BA, Taylor T, Imperatrice C, **Leonard DGB**, Wilson RW, Mann L, Jost KC, Nachamkin I: Sequence-based identification of aerobic actinomycetes. *J Clin Microbiol* 42:2530-2540, 2004.

Nolte D, WM Kuebler, **WA Muller**, KD Wolff, K Messmer: Attenuation of leukocyte sequestration by selective blockade of PECAM-1 or VCAM-1 in murine endotoxemia. *Eur Surg Res* 36:331-337, 2004.

Han H, A Stessin, J Roberts, K Hess, **N Gautam**, M Kamenetsky, O Lou, E Hyde, N Nathan, **WA Muller**, J Buck, LR Levin, C Nathan: Calcium-sensing soluble adenylyl cyclase mediates TNF signal transduction in human neutrophils. *J Exp Med* 202:353-361, 2005.

**Muller WA**, AR Schenkel: Transendothelial Migration of Leukocytes. In: Wedlich D, ed. *Cell Migration in Development and Disease*. Wiley-VCH Verlag, Weinheim, Germany. Chapter 13; pp 237-249, 2005.

Maslin CLV, K Kedzierska, NL Webster, **WA Muller**, SM Crowe: Transendothelial migration of monocytes: The underlying molecular mechanisms and consequences of HIV-1 infection. *Curr HIV Res* 3:303-317, 2005.

Han J, Zhou X, Yokoyama T, **Hajjar DP**, Gotto AM Jr, Nicholson AC: Pitavastatin downregulates expression of the macrophage type B scavenger receptor, CD36. *Circulation* 117:790-6, 2004

**Nicholson AC**: Expression of CD36 in macrophages and atherosclerosis: the role of lipid regulation of PPARgamma signaling. *Trends Cardiovasc Med* 14:8-12, 2004

**Nicholson AC, Hajjar DP**: CD36, oxidized LDL and PPAR-gamma: pathological interactions in macrophages and atherosclerosis. *Vas Pharmacol* 41:139-46, 2004.

Han J, Parsons M, Zhou X, **Nicholson AC**, Gotto AM Jr, **Hajjar DP**: Functional interplay between the macrophage scavenger receptor class B type I and pitavastatin (NK-104). *Circulation* 110:3472-9, 2004.

Ghebrehiwet B, **Peerschke EIB**: Interaction of C1q with endothelium: relevance to inflammation. In: *Microvascular Research: Biology and Pathology*. (David Shapiro, ed), Elsevier Science (USA) p741-743, 2004.

Van Cott EM, Ledford-Kraemer M, Meijer P, Nichols WL, Johnson SM, **Peerschke EI** (NASCOLA Proficiency Testing Committee). Protein S assays: an analysis of North American Specialized Coagulation Laboratory Association proficiency testing. *Amer J Clin Pathol* 123:778-85, 2005.

Rush D, **Hyjek E**, **Baergen R**, **Ellenson LH**, **Pirog EC**. Double immunostaining for cytokeratin and basement membrane components is useful for detection of microinvasion in vulvar and cervical intraepithelial neoplasia. *Arch Pathol Lab Med* 129:747-753, 2005.

Ito K, Chen J, Khodadadian JJ, **Seshan SV**, Eaton C, Zhao X, Vaughan ED, Lipkowitz M, Poppas DP, Felsen D: Liposome-mediated transfer of nitric oxide synthase gene improves renal function in ureteral obstruction in rats. *Kidney Int* 66:1365-1375, 2004.

**Seshan SV**: Morphologic features of lupus nephritis. *Nephrol Dial Transpl* <http://www.ndt-educational.org/>, E-pages, 2004.

Ito K, Chen J, ElChaar M, Stern JM, **Seshan SV**, Khodadadian JJ, Hyman MJ, Poppas DP, Vaughan ED, Felsen D: Renal damage progresses despite improvement of renal function after relief of unilateral ureteral obstruction (UUO) in adult rats. *Am J Physiol* 287:1283-1291, 2004.

Schlesinger N, Schlesinger M, **Seshan SV**: Seasonal variations of lupus nephritis. *J Rheumatol* 32:1053-1057, 2005.

Jaggi JS, **Seshan SV**, McDevitt MR, Leperle K, Sgouros G, Scheinberg DA: Renal tubulointerstitial changes after internal irradiation with [alpha]-particle-emitting actinium daughters. *J Am Soc Nephrol* 16:2677-89, 2005.

**Chen X**, **Seshan SV**, **Hoda S**: Lupus mastitis – Breast images. *The Breast J* 11:283-4, 2005.

**Tam W**: MicroRNAs: tiny but not trivial. *Curr Genomics* 5:191-205, 2004.

Eis PS, **Tam W**, Sun L, **Chadburn A**, Li Z, **Gomez M**, Lund E, Dahlberg JE: Accumulation of miR-155 and BIC RNA in human B cell lymphomas. *Proc Natl Acad Sci USA* 102:3627-32, 2005.



Cattoretto G, Pasqualucci L, **Ballon G, Tam W**, Nandual SV, Shen Q, Mo T, Murty VV, Dalla-Favera R: Deregulated BCL-6 expression recapitulates the pathogenesis of human diffuse large B-cell lymphomas in mice. *Cancer Cell* 7:445-55, 2005.

**Tu JJ**, Murry M: Book Review: Atlas of Breast Pathology. *AJSP* 28:556-557, 2004.

**Upmacis RK, Deeb RS**, Resnick MJ, Lindenbaum R, Gamss C, Mittar D, Hajjar DP: Involvement of the mitogen-activated protein kinase cascade in peroxynitrite-mediated arachidonic acid release in vascular smooth muscle cells. *Am J Physiol Cell Physiol* 286:C1271-1280, 2004.

Cai N, **Koizumi J, Vazquez MF**: Mammary carcinoma with osteoclast-like giant cells: A study of four cases with a review of literature. *Diagn Cytopathol* 33: 246-251, 2005.

Travis WD, Garg K, Franklin WA, Wistuba II, et al and **Vazquez, M**: Evolving concepts in the pathology and computed tomography imaging of lung adenocarcinoma and bronchioloalveolar carcinoma. *J Clin Oncol* 23:3279-87, 2005.

**Saqi A**, Oster MW, **Vazquez MF**: Metastatic mammary carcinomas with endocrine features: Potential diagnostic pitfalls. *Diagn Cytopathol* 33:49-53, 2005.

Henschke CI, Yankelevitz DF, Smith JP, Libby D, Pasmantier M, McCauley D, McGuinness G, Naidich DP, Farooqi A, **Vazquez MF**, Miettinen OS: CT Screening for lung cancer: Assessing a regimen's diagnostic performance. *Clin Imag* 28:317-321, 2004.

Altorki NK, Yankelevitz DF, **Vazquez MF**, Kramer A, Henschke CI: Bronchioloalveolar carcinoma in small pulmonary nodules: clinical relevance. *Semin Thorac Cardiovasc Surg* 17:123-27, 2005.

Gomez M, Wu, X, **Wang, YL**: Detection of BCL2-IgH using single-round PCR assays. *Diag Mol Path* 14:17-22, 2005.

Arndt PA, Garratty G, **Wolf CFW, Rivera M**: Hemolytic anemia and renal failure associated with antibodies to trimethoprim and sulfamethoxazole. *Abstract; Transfusion (Suppl)* 45:134A, 2005.

Cohen JC, Scott D, Miller J, **Zhang J, Zhou, P**, Larson JE: Transient In Utero Knockout (TIUKO) of C-MYC affects late lung and intestines development. *BMC Dev Biol* 4:4, 2004.

**Zhou P**: Targeted protein degradation. *Curr Opin Chem Biol* 9:51-55, 2004.

**Zhang J, Zhou P**: Ectopic targeting of substrates to the ubiquitin pathway. *Methods Enzymol* 399:823-833, 2005.

## Resident's Corner

by Amy Chadburn, MD

### Welcome to Our New House Staff



Bonnie Balzer, PhD, MD



Shahreen Billah, MD



Suzanne Brandt, MD



Xia Chen, MD



Yingbei Chen, MD



Melissa Gill, MD



Henry Haskell, MD



Lawrence Kiss, MD



Kristina Loukeris, MD



Kambiz Merati, MD



Libo Qiu, MD



Miroslav R. Radevic, MD



Theresa Scognamiglio, MD



Raana Sela, MD



Ramapriya Vidhun, MD



Gloria Young, MD

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# Resident's Corner

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■ **Bonnie Balzer**, Dermatopathology Fellow, received her PhD in 1995 from the University of Virginia Chemistry Department and her MD in 2000 from Stanford University School of Medicine. She was an intern in OB-GYN from June 2000 to March 2001 and became a resident in Anatomic Pathology at Stanford University Medical School from April 2001 to June 2003. The following year, she was a Surgical Pathology Fellow at Stanford University Medical School after which she undertook a Soft Tissue Fellowship at Emory University Medical School, which she completed in June 2005, prior to joining the department.

■ **Shahreen Billah**, PGY-1, received her MD from the University of Texas Medical School at Galveston. During her medical school training, she was a member of the Future Pathologists Group and Pathology Student Society. She is engaged to be married early in 2006.

■ **Suzanne Brandt**, PGY-1, received her MD from Georgetown University School of Medicine. She received her BS in economics from the Miami University in Ohio. During her medical school training from 2002-2003, she served as a tour guide at Georgetown University for medical school applicants.

■ **Xia Chen**, Hematopathology Fellow, received her MD from Hunan Medical University, China, in 1987. After surgical residency training at Hunan Medical University, she became a Research Associate in the Department of Biology at Carleton University, in Canada, where she obtained her master's degree. In 1996, Dr. Chen joined the Pathology Department as a Staff Associate in Dr. William Muller's laboratory where she studied the location and function of PECAM1 (CD31) and transendothelial migration. In July 2000, she joined our Pathology Residency Training Program, finishing in June 2004. In July 2004, she was appointed an Instructor and Assistant Attending Pathologist for the year prior to her hematopathology fellowship.

■ **Yingbei Chen**, PGY-1, received her MD in 1998 from Peking Union Medical College in China, followed by a year as an intern at Peking Union Medical College. She then came to the United States to pursue her PhD, which she received in 2004 from Johns Hopkins University School of Medicine. Since June 2004, she has been a Postdoctoral Fellow at Mount Sinai Medical Center.

■ **Melissa Gill**, Dermatopathology Fellow, received her MD in 2001 from Brown Medical School, followed by residency training in Anatomic Pathology at NewYork-Presbyterian Hospital, Columbia Campus. In 2003, she was the recipient of a House Staff Award, Clinical Research Grant at Columbia. Dr. Gill completed her residency training at Columbia in June 2005.

■ **Henry Haskell**, Dermatopathology Fellow, received his MD in 2002 from the University of Alabama School of Medicine. In July 2002, he entered the Pathology Residency Training Program at Brigham and Women's Hospital finishing in June 2005.

■ **Lawrence Kiss**, Renal Pathology/ Research Fellow, received his MD in 2001 from the State University of New York at Stonybrook. In July 2001, he joined our Pathology Residency Training Program finishing his training in June 2005. Dr. Kiss is currently spending his time working with Dr. Surya Seshan in renal pathology and Dr. William Muller in basic science.

■ **Kristina Loukeris** joins, PGY-1, received her MD in the spring of 2005 from the Rosalind Franklin University of Medicine and Science/Chicago Medical School. During her medical school training from 2002-2003, she was in the Pathology Honors Program. During summer months since 1998, she was a Research Assistant in a number of laboratories at New York University School of Medicine. She competes in triathlons and is currently engaged to be married.

■ **Kambiz Merati**, Hematopathology Fellow, received his MD in 1995 from Tehran University of Medicine. From 1996 to 1997, he was a housestaff physician at the Nasr Education Center in Iran and from 1998 to 1999, prior to coming to the United States, was a primary care physician in Iran. In July 1999, he joined the pathology residency training program at Wayne State University/Detroit Medical Center finishing his training in June 2003. In July 2003, he was appointed a Hematopathology Fellow at Vanderbilt University Medical Center, after which he was a Surgical Pathology Fellow at Ohio State University.

■ **Libo Qiu**, Cytopathology Fellow, received his MD in 1985 from Hengyang Medical College in China followed by receipt of his MSc in 1988 from Hunan Medical University in China. From 1988 to 2001, he held a number of teaching positions in China, the United Kingdom and United States. In 2001 he became a resident in pathology at Mount Sinai School of Medicine where he completed his training in June 2005.

■ **Miroslav R. Radevic**, Gastrointestinal Pathology Fellow, received his MD in 1993 from the University of Belgrade School of Medicine. From May 1993 to May 1994, he was a medical intern at Zemun Medical Center in Belgrade followed by seven months of residency training in general surgery at the same institution. In the United States, Dr. Radevic did pathology training at Lenox Hill Hospital in New York City.

■ **Theresa Scognamiglio**, Research Fellow, received her MD in 2001 from MCP-Hahnemann University of Medicine. In July 2001, she joined our Pathology Residency Training Program finishing her training in June 2005. Dr. Scognamiglio is currently spending the year in the laboratory of Dr. Yao-Tseng Chen, where she is working on translational research projects. As a resident Dr. Scognamiglio was the recipient of the prestigious Stowell-Orbinson Award at the 2005 USCAP meeting.

■ **Raana Sela**, a PGY-1, received his MD in May 2005 from the University of Miami School of Medicine. During his medical school training, he was a member of the University of Miami School of Medicine Mentoring Program, mentoring medical students.

■ **Ramapriya Vidhun**, Cytopathology Fellow, received her MD in 1995 from the Rajah Muthiah Medical College in India followed by an internship year at the same institution. From 1995 to 1997, she was a Casualty Medical Officer at St. Isabel's Hospital in India and then was in private practice in the city of Madras, India from 1997 to 1998. In 1998, she was appointed as a Research Associate in Pathology at Mt. Sinai Hospital, followed in 1999 as an appointment as a Research Associate in Endocrinology also at Mt. Sinai. In July 2000, she entered the Pathology Residency Training Program at Danbury Hospital, completing her training in June 2004. Prior to joining us, she was a Fellow at Memorial Sloan-Kettering Cancer Center.

■ **Gloria Young**, PGY-1, received her MD in May 2005 from Boston University School of Medicine. During her medical school training, she volunteered in the Boston University School of Medicine Outreach Van Project and Creative Arts Society, and served as a tour guide for medical school applicants. Prior to medical school she worked as an immunohistochemistry technician.

The department congratulates our June 2005 pathology residency program graduates and wishes them luck in the next phase of their career.

■ **Dr. Cheri Aubertine** and her husband John welcomed baby Ella in June. Dr. Aubertine is currently doing a surgical pathology fellowship at the University of Vermont.

■ **Dr. Melissa Murray** joined Memorial Sloan-Kettering Cancer Center as a Breast Fellow.

■ **Dr. Micheal Rivera**, also joined Memorial Sloan-Kettering Cancer Center as an Oncologic Pathology Fellow, and next year he will undertake a cytology fellowship at Memorial Sloan-Kettering Cancer Center.

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Congratulations also go to our residents finishing the program in June 2006 and accepted to outstanding fellowships:

■ **Dr. Pramod Gumpeni** will be a Fellow at the Office of the Medical Examiner for the City of New York.

■ **Dr. Emily Duncanson** will be a Fellow at the Office of the Medical Examiner for the City of New York.

■ **Dr. Scott Merlin** will be an Oncologic Fellow at Memorial Sloan-Kettering Cancer Center in New York City.

■ **Dr. Alexandros Polydorides** will be an Oncologic Fellow at Memorial Sloan-Kettering Cancer Center in New York City.

■ **Dr. Jamie Shamonki** will be a Surgical Pathology Fellow at University of California-Los Angeles Medical Center, Los Angeles, CA.

.....  
We also congratulate all of our recent graduates who took and passed their Pathology Boards: **Drs. Sun Chung, Wen Fan** and **Melissa Murray**. Dr. Sun Chung is currently an Assistant Professor of Pathology and Laboratory Medicine in our Department and Dr. Wen Fan is working at Bio-Reference, a commercial laboratory in New Jersey.

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Five residents traveled to Atlanta, GA, to the 105th American Society of Microbiology Meeting to present their work. The residents who attended and presented at the meeting are: Theresa Scognamiglio, Michael Rivera, Stephen Rohan, Pramod Gumpeni and Matthew Bramlage. The abstracts they presented are:

■ **Aubertine, CL, Rohan SM, Rivera M, Zinchuk R, Larone, DH:** CHROMagar Candida as a Source Medium for Isolates to be Tested with the New Vitek 2 Yeast Identification Card.

■ **Rivera M, Aubertine CL, Rohan SM, Azurin CJ, Larone DH:** Comparative Study of the New Colorimetric Vitek 2 Yeast Identification Card vs. the Older Fluorometric Vitek 2 Yeast Card.

■ **Bramlage MP, Scognamiglio T, See BS, Larone DH:** Stability of Mueller-Hinton Agar Plates Flooded with Glucose and Methylene Blue for Fluconazole Disk Diffusion Testing of Candida Species.

■ **Drs. Michael Rivera and Alexandros D. Polydorides** presented at the Academy of Clinical Laboratory Physicians and Scientists held in Pittsburgh, PA, in June 2005.

■ **Dr. Polydorides received** the Paul E. Strandjord Young Investigator Award for his abstract: "Immunohistochemistry of Cell Clot Paraffin Sections: An Efficient and Accurate Method for the Detection of Intracellular Antigens, Including Prognostic Markers in CLL."

■ **Dr. Rivera's** abstract was entitled "The New Colorimetric Vitek 2 Yeast Identification Card Compared to the Older Fluorometric Card and Evaluation of CHROMagar Candida as a Source Medium with the New Card."

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Congratulations to **Dr. Pramod Gumpeni** who was married in August and to **Dr. Matthew Bramlage** who was married in September.

Welcome to **Dr. Jamie Shamonki's** new daughter, Cosette and **Dr. Scott Merlin's** new son, Liav.

## Our New PGY-1 Residents



(Left to right)  
G. Young, MD,  
S. Billah, MD,  
K. Loukeris, MD,  
S. Brandt, MD,  
Y. Chen, MD,  
R. Sela, MD  
(kneeling).

## Focus

*continued from page 1*

at the Columbia campus of NewYork-Presbyterian Hospital and a cytopathology fellowship at the University of Pennsylvania. Dr. Saqi joined the faculty of the Department of Pathology at the Columbia University College of Physicians and Surgeons in July 2002. She relocated to the Weill Cornell Medical Center in July, 2005. Dr. Saqi divides her clinical diagnostic service responsibilities between general surgical pathology and cytopathology. She has already developed an excellent clinical research program in cytopathology, contributing nearly 20 peer-reviewed publications, primarily involving cytopathology, to the medical literature.

Dr. Rhonda Yantiss received her medical degree from the Harvard Medical School in 1996 and completed her training in anatomic pathology at the Massachusetts General Hospital, where she served as Chief Resident in anatomic pathology in her last

year of training. She subsequently completed a fellowship in gastrointestinal pathology at the Beth Israel Deaconess Medical Center in 2001 and was appointed Assistant Professor of Pathology at the University of Massachusetts Medical Center in 2001 where she worked until her recruitment to the Weill Cornell Medical Center in May, 2005. Despite her relatively junior status, Dr. Yantiss has already established a national reputation in gastrointestinal pathology, the area in which she will focus her clinical, educational, and research activities at the Weill Cornell Medical Center. She has already contributed approximately 20 abstracts and more than 25 peer-reviewed publications to the medical literature.

Each of these three individuals will contribute significantly to the clinical diagnostic services of the Department of Pathology and Laboratory Medicine, to the training and education of the pathology house staff and to the clinical research programs of this Department and other clinical departments in the Medical Center. ■



## Resident's Corner

*continued*

### Resident Participation at the 2005 USCAP Meeting

The Department of Pathology was well represented at the 2005 United States and Canadian Academy of Pathology Meeting held in San Antonio, TX. The department was in the top 10% of academic departments with respect to the number of accepted abstracts. The abstracts include:

- KJ Park, M Bramlage, EC Pirog, LH Ellenson. CDX2 Immunohistochemical Staining Patterns in Mucinous Neoplasms of the Female Genital Tract.
- D Czuchlewski, AA Jungbluth, YT Chen, HJ Cho, DM Knowles, SA Ely. Cancer-Testis Antigens (CTs) Are Associated with Proliferation in MGUS and Myeloma but Are Not Expressed by Lymphocytes or Non-Hodgkin Lymphomas.
- T Scognamiglio, J Kao, TJ Fahey 3rd, Y-T Chen. Papillary Thyroid Carcinoma Versus Follicular Adenoma: Molecular Diagnosis by Cumulative Analysis of Gene Expression Ratios.
- T Scognamiglio, E Hyjek, Y-T Chen. Papillary Thyroid Carcinoma Versus Follicular Adenoma: Analysis of Keratin 19, Galectin-3, and CITED1 Expression by Tissue Microarray.
- LP Kiss, SV Seshan. Interstitial Nephritis in HIV Patients Is Associated with an Increased Density of Lymphatic Vessels.
- M Rivera, F Ahmed, LM Petrovic. Stellate Cell Activation in Liver Biopsies with Hepatitis C Compared with Hepatitis C/Diabetes Mellitus.
- M Rivera, SL Merlin, X Chen, JM Shamonki, SA Hoda. The Use of D2-40, a Marker for Vascular Endothelium, in Diagnostic Breast Pathology.
- MP Murray, KM Marks, AH Talal, RM Gulick, MJ Glesby, LM Petrovic. Steatosis in Human Immunodeficiency Virus and Hepatitis C Virus Co-Infected Patients.
- MP Murray, CL Aubertine, E Hyjek, SJ Shin. Skp2 and p27 Cell Cycle Marker Expression in 155 Invasive, Poorly Differentiated Duct Carcinomas with Clinicopathologic Correlation.
- A Polydorides, E Hyjek, A Chadburn. Cell Clots: An Efficient and Accurate Method of Converting Cell Suspensions into Blocks for Immunohistochemical Staining.
- A Polydorides, E Hyjek, A Chiu, S Ely, W Tam, DM Knowles, A Chadburn. Immunohistochemistry (IHC) of Cell Clot Paraffin Sections: A Useful Adjunct To Flow Cytometry for Evaluation of Prognostic Markers in Chronic Lymphocytic Leukemias (CLL).
- S Logani, RA Soslow, E Oliva, JD Nolen, AA Aleodor, NA Saunders, A Polydorides, LH Ellenson. Is Pure Uterine Clear Cell Carcinoma Clinically Distinct from Endometrioid/Serous Carcinoma with a Clear Cell Component?
- JM Shamonki, JE Salmon, E Hyjek, ER Duncanson, RN Baergen. Antiphospholipid Syndrome and Placental Deposition of Complement C4d.
- W Fan, JW Lee, A Chadburn, W Tam, YL Wang, G Frizzera. Lymphoproliferations with Dual (B- and T-Cell) Monoclonal Gene Rearrangements.
- J Morhaime, AL Kramer, MF Vazquez. Atypical Bronchiolo-alveolar Proliferation: A New Cytologic Category for Lung Aspiration Biopsy Representing a Bronchioloalveolar Growth Pattern.
- N Cai, A Kramer, D Yankelevitz, C Henschke, M Vazquez. Ki-67 and p53 Antigen Detection in Aspiration Biopsies of Non-Small Cell Carcinoma of the Lung (NSCLC).
- SM Chung, RH Hruban, C Iacobuzio-Donahue, NV Adsay, SY Zee, DS Klimstra. Analysis of Molecular Alterations and Differentiation Pathways in Intraductal Oncocytic Papillary Neoplasm of the Pancreas.
- SM Chung, YL Wang, A Chiu, E Cesarman, DM Knowles. DNA Polymerases  $\mu$ ,  $\gamma$  and  $\eta$  Gene Expression in B-Cell non-Hodgkin's lymphomas.

In addition, Dr. Theresa Scognamiglio received the prestigious Stowell-Orbison Award for the best poster presentation of scientific abstracts by a resident or student at the USCAP annual meeting.



## Promotions in Pathology and Laboratory Medicine

Amy Chadburn, MD promoted to Professor of Pathology and Laboratory Medicine

Sun Chung, MD promoted to Assistant Professor of Pathology and Laboratory Medicine

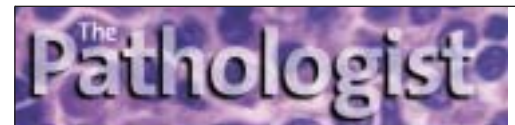
Scott Ely, MD, MPH promoted to Associate Professor of Clinical Pathology and Laboratory Medicine

Elizabeth Hyjek, MD, PhD promoted to Assistant Professor of Pathology and Laboratory Medicine

Davise Larone, PhD promoted to Professor of Clinical Pathology and Laboratory Medicine and Professor of Clinical Microbiology and Immunology

Edyta Pirog, MD promoted to Associate Professor of Clinical Pathology and Laboratory Medicine

Pengbo Zhou, PhD promoted to Associate Professor of Pathology and Laboratory Medicine



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