



## Director's Corner

### J. Brooks Jackson, M.D., M.B.A.

This past academic year has been notable for several trends and initiatives affecting the Department of Pathology. Plans to implement new patient safety initiatives have received much attention throughout the institution. Although I believe that Pathology has always been at the forefront in hospital care in system-



*Dr. J. Brooks Jackson*

atically monitoring and improving patient safety, we have made major efforts this year in the areas of reducing the number of mislabeled specimens, documenting the correct receipt of verbal test results, assuring the timely report of critical action values, and assuring the presence of correct orders and consent forms in patient pheresis charts (see patient safety article on page 2 of this issue.

The number of hospital discharges increased by 3.8% which is reflected in an annual increase in test volume of 5% and an 8.2% increase in profee income.

Congratulations are in order for the Hospital Pathology laboratory staff, lab management and directors for favorably exceeding the hospital budget targets this year by more than 4.6% while meeting the needs of our patients. Pathology plans for the new Clinical

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## Surgical Pathology Division in Highlight: "One of the Busiest and Most Prolific in the Country"

The Division of Surgical Pathology has grown into one of the busiest and most prolific surgical pathology divisions in the country. The Division's diagnostic, teaching and research efforts have all grown under the leadership of Drs. Jonathan Epstein, Director, and William Westra, Associate Director.

More than 71,000 cases were signed out in Surgical Pathology in 2004, including close to 24,000 consult cases and 14,000 dermatopathology cases. In addition, the histology laboratory also performed technical services for 8,300 Howard County General Hospital surgical cases and as of January 1, the Johns Hopkins Bayview caseload was added.

To keep pace with this growth, two new faculty, Peter Illei and George Netto, have joined

the surgical pathology team.

Peter Illei, M.D. received his medical degree from the Medical Faculty of the University of Pecs in 1988. He began his pathology residency training at the Postgraduate Medical School in Budapest, Hungary. Two years into his training he moved to the Sir William Dunn School of Pathology at the University of Oxford to do HIV related research. In 1993, he moved to the United States and completed a pathology residency at New York University Medical Center and fellowship programs in oncologic surgical pathology and cytopathology at the Memorial Sloan-Kettering Cancer Center. He then joined the molecular pathology laboratory of Dr. Marc Ladanyi to investigate the role of CDKN2A deletions in malignant

mesotheliomas and Ewing sarcomas. In 2002 Peter returned to NYU as an attending surgical pathologist and as co-director of the immunohistochemistry laboratory. His research interests are in molecular genetics of solid tissue tumors (mesothelioma, thymoma and breast cancer), and in the development of novel diagnostic tests.



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## Director's Corner

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Care Tower (CCT) due to open in 2009 were finalized this past year. The Core lab will be moving to the basement of the CCT, neuropathology to CCT second floor, and blood bank to CCT third floor. Autopsy and the Hemapheresis and Transfusion Service (HATS) will most likely be moving to the Nelson building next to the new CCT. These moves will allow for increased expansion space in the Weinberg building for Hematopathology and Surgical Pathology. The workload has also increased at Bayview Medical Center Pathology and Howard County Hospital Pathology. We are fortunate to have been able to recruit Dr. Deborah Douglas as the new Bayview Chief of Pathology with the semi-retirement of Dr. Dorothy Rosenthal this past year. We have also expanded the number of pathologists at Howard County General Hospital with the addition of Dr. Henry Bell to handle the increased workload at the hospital and the referral of surgical pathology and cytopathology specimens from Fairfax Medical Laboratories in Chantilly, Virginia.

In terms of our educational programs, eight new excellent residents were accepted through the MATCH program and seven new graduate students will be starting in the Pathobiology program this summer. Due to the hard work of our residency and fellowship Directors, the residency program and the Neuropathology, Medical Microbiology, Renal Pathology and Transfusion Medicine were accredited for another three - five years through the Residency Review Committee. A number of our faculty have been involved in the School of Medicine's plan to redesign the medical school curriculum which will be implemented in 2007. It is envisioned that Pathology will play a major role in all four years, not just the predominant role it currently plays in year 2.

Research funding reached an all time high with an annual increase of 14% in NIH awards at a time when the NIH budget was flat (see figure 1). Over 200 first or last author peer reviewed articles were published by primary faculty in Pathology. In addition, commitments of over \$11 million dollars were also received this past year from generous donors to support research in pancreatic cancer, neuropathology and gynecologic pathology, as well as the Mabel Smith Fund for Resident Research and Education. This amount of private donations is a record for the department and probably one of

the highest in the country for Pathology departments. These funds will support innovative research projects by junior investigators. The efforts of Ralph Hruban, Sandy Markowitz, Amy Helsel, and several faculty in these fund raising efforts are greatly appreciated (see article Page 8 of this issue).

The increase in research activity has greatly increased the need for more laboratory space so we are looking forward to the opening of the second Cancer Research Building (CRB2) in early 2006 when Pathology cancer researchers will move into 13,500 sq ft of new space on the third floor of CRB2. This will free up space on Ross 5 and 6 for the expansion of neuropathology, immunology, pulmonary pathology, and cardiac pathology.

Two new initiatives to build our programs in the areas of Cardiac Pathology and Emerging infections/biodefense are underway based on the priorities determined by the faculty at our last department retreat. Dr. Steenberg from Duke University has been recruited as the Director of the new Division of Cardiac Pathology and will start Spring 2006. The new division will work closely with cardiology researchers in the areas of ischemic perfusion and sudden death. In the area of emerging infections/ biodefense a partnership

agreement has been signed by the U.S. Army and the School of Medicine for an educational and research partnership between Pathology and U.S. Army Medical Research Infectious Disease program (USAMRIID) at Fort Detrick, the premier biodefense research facility in the world. This agreement will allow our faculty and trainees to collaborate jointly with scientists at Fort Detrick on research projects at JHU and state of the art facilities at Fort Detrick. Our first project with USAMRIID will be to apply for a training grant in the areas of emerging infections and biodefense with Dr. Karen Carroll, JHU Director of Clinical Microbiology, and Dr. Sina Bavari taking the lead as principal investigators.

Despite the notable achievements this past year, the current academic year will bring new challenges including another full JCAHO survey of the laboratories this Fall, more stringent ACGME reviews of our fellowship programs, a decrease in the NIH budget for funding for new grant awards, government reductions in pathology profee reimbursement, and increasing documentation requirements in a number of regulated areas. Given the talent and hard work of our faculty, trainees, and staff, I am confident we will also deal with these challenges successfully. ■

## The Department of Pathology on Patient Safety

The standard of care has changed at Hopkins and at healthcare institutions throughout the country. Patient safety is at the forefront of all we do. The primary goal of patient safety is to work towards eliminating patient injury caused by healthcare errors. The Institute of Medicine (IOM) released a report in 1999 on medical error and patient safety that called for healthcare systems to learn about errors and potentially prevent recurrence. In summary, the IOM report identified patient safety as a national problem and the statistics are alarming. The IOM recognized that the problem is large and universal, the workers are not to blame and safety is determined by factors in the working system. Medical errors occur in imperfectly designed systems where mistakes are easily made. Therefore, to improve safety we must improve our systems. As part of the overall healthcare system, clinical laboratories strive for quality, but are also vulnerable to medical errors. Although regulations, laboratory accredi-

tation programs, performance improvement programs and continuing education greatly impact the quality of laboratory testing, they do not necessarily provide for overall safety and error reduction in patient care. Preventing errors includes developing an ongoing performance improvement/patient safety program that identifies safety/quality deficiencies and targets processes in the Pre-Analytical, Analytical and Post-Analytical phases of laboratory testing.

*How does The Johns Hopkins Department of Pathology contribute to patient safety and the reduction of medical errors?*

1. The department is joining other departments throughout the institution in introducing new approaches to patient safety by developing an annual Quality/Safety Dashboard, performing safety investigations and presenting case learnings. In FY05, the Department of Pathology developed key measures aligned with

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## Surgical Pathology Division in Highlight: “One of the Busiest and Most Prolific in the Country”

George Netto was born in Brazil to parents who emigrated from the Middle East. He obtained his medical training in Syria at Damascus University School of Medicine and moved to the United States in 1985. He completed his pathology residency training at Baylor University Medical Center in Dallas, a surgical pathology fellowship at Barnes Hospital in St. Louis, and a urologic pathology fellowship at Memorial Sloan-Kettering Cancer Center. George initially joined the faculty at SUNY Stony Brook, and then returned to Dallas as an attending pathologist in surgical and urologic pathology at Baylor University Medical Center. During his eight years at Baylor, he developed an additional interest in liver transplantation/hepatopathology, directed the residency education program, and established a molecular diagnostics laboratory. In addition to urologic pathology, his prior research interests have been in the areas of liver transplant pathology, hepatitis C, and the application of molecular diagnostics to solid tumors. At Hopkins, George's research efforts will largely focus on the role of molecular diagnostic tech-

niques in the diagnosis and management of urologic neoplasms.

This year, the Division also has four new faculty assistants: Drs. Jennifer Broussard, Dengfeng Cao, Maryam Farinola, and Sharon Swierczynski. These young faculty members will sign out a full load of surgical pathology cases, provide intraoperative frozen section consultations, oversee the grossing area, and teach our house staff and medical students.

With so many specimens and faculty, maintaining good communication and close interactions within the Division is critical. Toward this end, all members of the Division meet every day in the microscopic conference room to review the day's interesting and challenging cases. This microscope room also has an internet audio/video link to our John Hopkins Bayview Pathology to facilitate communication and direct access to diagnostic expertise beyond the walls of the Department.

A staff of 90 management, technical and administrative staff supports this busy clinical service. The administrative support for faculty is coordinated by Mary Owens and is comprised

of several highly talented administrative assistants. This group supports our faculty in their clinical, teaching and research efforts.

The transportation, accessioning, and medical records coordinators is led by Carolyn Anderson. Carolyn's career in pathology began in 1994 as a receptionist. In addition to her staff supervision, Carolyn is responsible for purchasing and receiving of supplies as well as coordinating the conference rooms, pathologist sign-out schedules and managing the QC'ing of document images for Surgical Pathology.

Our archival staff of six is in the capable hands of Anita Carter. Anita has been with the department since 1996, as an accessioner, lead tech and most recently supervisor of the archives. This position was created in 2003 as a result of the increasing regulations, e.g. HIPAA, IRB, etc. . . . The archival staff retrieved more than 25,000 cases and files the enormous numbers of blocks and slides in support of our clinical, research and teaching mission. Our main archival office is 5,000 sq ft and located at 2024 E. Monument Street. ■



**The Surgical Pathology Support Staff**

## The Department of Pathology on Patient Safety

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patient centered goals to ensure Safe Care, Evidence-based Care and Efficient, Timely Care. Laboratory events or incidents that were believed to cause patient harm or put patients at risk for significant harm were documented on the Safety Dashboard. Safety investigations were initiated to identify the system defects and opportunities for improvement. Quality assurance technologists from several laboratory divisions performed the investigations and nicely summarized the system defects and improvements using a case learning tool.

Improvements included an increase in compliance with orders/consents in charts of patients receiving therapeutic pheresis in HATS, a reduction in blood wastage through the introduction of new temperature indicators in Transfusion Medicine, a reduction of testing order errors with the redesign of a Women's Health Center encounter form, an improved turn around time for ethylene glycol sent to a reference lab and a change in processes to prevent lost or delayed surgical pathology specimens. Pathology improvement summaries can be viewed on the Center for Innovation web site at: (<http://innovation.jhmi.edu/content.cfm?sectionID=35&pageID=166>)

*Plans are underway now to develop the Quality/Safety Dashboard for FY06 using new and existing measures.*

2. Pathology is now using a new web based event reporting system to report safety concerns. Patient Safety Net (PSN) was developed by the

University HealthSystem Consortium and was rolled out by JHH in July 2004. The new system has streamlined processes (elimination of paper reporting forms) and has provided individuals with a mechanism to report safety concerns. Laboratory events such as specimen quality/delivery problems, testing delays, specimen labeling errors can be reviewed and investigated in a more timely fashion. Automated reports can be generated to detect trends and correct system problems.

3. Representatives from Pathology are participants on two interdisciplinary teams working to address problems identified with 1) Mislabeled/Unlabeled Specimens; and 2) Blood Wastage. These patient safety projects are facilitated by the Center for Innovation in Quality Patient Care. To date each team has used a Lean Sigma methodology to define and measure the error rates and are working on analyzing the data for improvement opportunities. A Failure Mode and Effect Analysis (FMEA) was performed to map current processes, identify potential failures/effects and identify actions for error prevention. Specific clinical units from both projects have been asked to test suggested changes in processes to reduce the occurrences of specimen labeling problems or reduce the number of wasted blood units. While these projects have not been completed, the importance of these two major patient safety initiatives has caught the attention of hospital leadership. Pathology has played a significant role in these

safety projects. The ongoing collection of data related to specimen labeling errors and blood wastage has been a major contributor in striving for safety in patient care.

Maintaining laboratory accreditation with the Joint Commission (JCAHO) is also a patient safety goal. Compliance with standards is intended to reduce the risk of adverse outcomes. Since 2003, healthcare institutions accredited by the Joint Commission, have been required to implement and comply with National Patient Safety Goals (NPSG's). These goals highlight problematic areas in healthcare that require a focus on systemwide solutions. As Johns Hopkins Medical Laboratories prepare for the 2005 JCAHO Laboratory Accreditation survey this fall, it is important that all employees recognize the following program specific safety goals established for accredited laboratories by the Joint Commission.

Improving patient safety will continue to be a major priority for Pathology. Preventing errors requires evaluating and designing systems at all levels of the laboratory process. Laboratory professionals are well educated in the areas of quality control and quality improvement. We can use these strengths to collaborate with other members of the healthcare profession to look for ways to reduce errors and improve processes throughout the entire laboratory workflow. We will work toward the goal of improved patient safety by communicating our safety initiatives, celebrating team accomplishments and highlighting safety as a department priority. ■

### JCAHO LABORATORY NATIONAL PATIENT SAFETY GOALS

1. Improve the accuracy of patient identification
  - a. Use of 2 patient identifiers whenever collecting lab specimens or administering blood products.
  - b. Use of "time out" immediately prior to the start of an invasive procedure (excluding phlebotomy) to confirm the correct patient, procedure, site and appropriate documents.
2. Improve the effectiveness of caregiver communication
  - a. Verify verbal orders and reporting of critical test results by having the person receiving the order or test result "read-back" the order or test result.
  - b. Standardize a list of abbreviations, acronyms, symbols that are not to be used on handwritten orders or pre-printed forms.
  - c. Measure, assess, and take action to improve the timeliness of reporting and of receipt of critical test results
  - d. Report critical values directly to a responsible caregiver within established timeframes. Establish a backup mechanism if the responsible caregiver is not available within the timeframes.
3. Reduce the risk of healthcare-acquired infections
  - a. Comply with CDC hand hygiene guidelines

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## Primary Faculty Changes 2004 - 2005

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### New Faculty

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Fowler, Mary Glenn, MD, MPH	Visiting Professor	Microbiology
Gocke, Christopher, D., MD	Visiting Associate Professor	Molecular Pathology
Lai, Shenghan, MD	Visiting Associate Professor	Informatics
Netto, George J., MD	Visiting Associate Professor	Genitourinary Pathology
Anders, Robert A., MD, PhD	Assistant Professor	GI/Liver Pathology
Douglas, Deborah K., MD	Assistant Professor	Bayview Pathology
Illei, Peter B., MD	Assistant Professor	Surgical Pathology
Meeker, Alan K., PhD	Assistant Professor	Genitourinary Pathology
Broussard, Jennifer N., MD	Assistant	Surgical Pathology
Cao, Dengfeng, MD, PhD	Assistant	Surgical Pathology
Farinola, Mayam Armin, MD	Assistant	Surgical Pathology
Swierczynski, Sharon L., MD, PhD	Assistant	Surgical Pathology
Yemelyanova, Anna, MD	Assistant	Gynecologic Pathology
Rosenzweig, Nicole, PhD	Research Associate	Chemistry

### Departures

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Chan, Theresa, MD	Assistant Professor	Quest Diganostics, Baltimore, MD
Wang, Young, MD	Instructor	Wako Pure Chemical Industries, Ltd, Japan
Dilworth, H. Parry, MD	Assistant	Private Practice, Minneapolis, MN
Klein, Walter M., MD	Assistant	Post Doctorate Fellow, Harvard Medical School
Nichols, Lynette, MD	Assistant	Private Practice, Ohio Health

### Promotions

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Haas, Mark, MD, PhD	Professor	Genitourinary Pathology
Westra, William H., MD	Professor	Surgical Pathology
Argani, Pedram, MD	Associate Professor	Pediatric Pathology
Sokoll, Lori, PhD	Associate Professor	Chemistry
Oelke, Mathias, PhD	Assistant Professor	Immunology
Batista, Denise, PhD	Instructor	Molecular Pathology
Li, Tong, PhD	Instructor	Neuropathology

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## Pathology at the Heart of Hopkins Medicine: A History by Edward F. McCarthy

An important aspect of the Johns Hopkins Hospital philosophy is that its clinical departments are only as strong as the pathologists who support them. This philosophy is due, in large part, to William H. Welch, the first dean of Johns Hopkins Medicine. He was a pathologist. The early faculty he recruited, most notably William Halsted, William Olsler and Howard Kelly, were firmly grounded in pathology, and they believed that pathology was the foundation of medical practice. Thus, they established the Pathology Department as the heart of Johns Hopkins Hospital.

### *Pathology at Hopkins: William Welch and the Importance of Science*

Johns Hopkins University was founded in 1876 with money bequeathed by the wealthy industrialist, Johns Hopkins, and its first president was Daniel Coit Gilman. Immediately Gilman began plans for establishing the hospital and medical school, and, in 1885, he chose William Welch, a pathologist from New York, as its first dean. Welch was a firm believer that pathology should be founded on basic science. This was an idea he brought back from Europe where he had studied with illustrious pathologists such as Waldeyer, Von Recklinghausen, and Conheim. Furthermore, according to Welch, if medicine were based on pathology, medicine would, then, also be based on science. The idea that medicine is based on science was new in the history of medicine.

When Welch came to Baltimore in 1884, the hospital had not yet been built, so he was provided with a two floor laboratory at the corner of Wolfe and Monument Streets. This has been the site of the Pathology Building ever since. The hospital was completed four years later, in 1889, and the first medical school class entered in 1894. For the next 21 years, Welch was Chairman of Pathology and Dean of the School of Medicine. In those days the Department had from eight to twelve faculty and house staff. In 1917, Welch stepped down to become the first dean of the School of Public Health. Several years later he became the founder of the Department of the History of Medicine. The stature of the Johns Hopkins Hospital and William Welch grew together, and when Welch celebrated his 80th birthday in 1930, an event which was attended by President Herbert Hoover, he was the most renowned physician in America. For those of you who have an interest in learning more about Dr. Welch, you may wish to visit the online collection of the Chesney Medical Archives (<http://www.medicalarchives.jhmi.edu/>). This wonderful collection even includes an online movie of Dr. Welch.

### *Pathology as Central to Hopkins Medicine: Welch's Successors*

When Welch retired from being chair of pathology in 1917, he invited William George MacCallum, who was at the College of Physicians and Surgeons at Columbia in New York, to succeed him. MacCallum had been a brilliant medical student with Welch at Hopkins, and he was firmly grounded in Welch's notion that medicine is based on pathology. At Columbia, MacCallum, as Professor of Pathology, wrote his famous Textbook of Pathology, a book that would serve as the primary source of general pathology education for the next 20 years. MacCallum's particular interest was the relationship of morphology to physiology, and he may be considered the father of pathophysiology. Some of his contributions were his descriptions of the sequellae of pancreatic duct ligation, the changes of hyperparathyroidism, the demonstration that the malaria parasites develop flagella that act like a spermatozoa uniting with an egg cell, and his description of the so-called MacCallum's patch in the heart. MacCallum was interested in autopsy and experimental pathology. He

had little interest in surgical pathology. That area was being developed in other departments: in surgery by Joseph Bloodgood and in gynecology by Emil Novak. Surgical pathology remained the province of surgeons until the 1950s.

MacCallum was Chair of Pathology for 30 years, from 1917 until 1944. There is a nice short article on MacCallum in *Annals of Diagnostic Pathology*, Volume 3, pages 328-329, 1999. He was succeeded by Arnold Rich. Rich had spent his entire career at Hopkins, beginning in 1915 as a medical student. Thus, like his teachers, Welch and MacCallum, Rich was committed to the idea that medicine is based on pathology. Rich was a strong leader and expert experimental pathologist. He is known for his studies of serum sickness, the pathophysiology of jaundice, and tuberculosis. He was also interested in polyarteritis and glomerulonephritis and their relationship to hypersensitivity. In addition, idiopathic pulmonary fibrosis, known as the Hamman-Rich syndrome, was named after him and a colleague in internal medicine. Dr. Rich kept the department under tight reign. He was an isolationist who discouraged outside research funding and resisted the intrusion of national pathology organizations. He even discouraged faculty from taking the pathology boards.

The fourth Chairman of Pathology was Ivan Bennett who took over from Arnold Rich in 1958. Bennett was not a pathologist but, rather, a brilliant internist with a strong interest in pathology. That an internist could become Chair of Pathology shows how deeply entrenched Welch's philosophy of the inter-connectedness of pathology and medicine had become. Under Bennett, the Department underwent a renaissance when it opened its doors to an influx of new faculty members. These included William Hartmann and William Shelley in surgical pathology and Walter Sheldon in autopsy pathology. He also upgraded the physical plant of the pathology building. After only eight years as chair, Bennett left for what was to be a time-limited job in Washington -- working with President Lyndon B. Johnson as Deputy Director of Science and Technology. Before he left, Bennett asked Robert Heptinstall, a dynamic young pathologist who had come from England, to serve as interim chair.

However, Bennett never returned to Hopkins from Washington. Instead, he went on to be the dean at New York University, and Robert Heptinstall became the official chairman in 1969. Heptinstall was given the title of Baxley Professor of Pathology, the first named chair in the Johns Hopkins University. "Heppy" ran the department for almost twenty years, a period when it had great national and international prestige. He is a renowned renal pathologist, and he wrote a major textbook on renal pathology which was published in 1966. When "Heppy" retired in 1988, he was replaced by Drs. John Yardley and John Boitnott who acted as dual chairmen. Both had trained at Hopkins and had devoted their lives to maintaining the by-now well established tradition of pathology as the foundation of medicine. Yardley was a well-known G.I. pathologist and Boitnott was an expert in liver disease and they ran the department as a close family seeing it through a difficult transition.

### *The First Outsider Chair of Pathology*

In 1993, a new era of Hopkins Pathology began. For the first time, a chair was named from an outside university. Fred Sanfilippo was recruited from Duke. In Dr. Sanfilippo's tenure of seven years, he did many things to improve the department, including unifying anatomic pathology with laboratory medicine, which had previously been a separate entity. In addition, Dr. Sanfilippo almost doubled the size of the Department by recruiting

# Pathology at the Heart of Hopkins Medicine: A History by Edward F. McCarthy

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many outside pathologists who were experts in particular areas of pathology. These included Dorothy Rosenthal in cytopathology, Michael Borowitz in hematopathology, Peter Burger in neuropathology, and myself in bone pathology. Another notable pathologist whom Dr. Sanfilippo recruited was Brooks Jackson, a blood banker and a renowned researcher in HIV. In 2001, Dr. Jackson became chair, and he leads a team that would dwarf Welch's department of eight physicians. Today's department has 32 residents, 90 fellows, and 120 full-time faculty. Although, the Pathology building at the corner of Wolfe and Monument Streets is still the spiritual center of the

department, pathology now has a presence in 16 of the 45 buildings of The Johns Hopkins Medical Institutions.

In conclusion, the history of the Pathology Department is an account of the institutionalization of an idea. What was revolutionary in Welch's day – the notion that pathology is the foundation of medicine – is now accepted practice at The Johns Hopkins Hospital. It is lived out in the hundreds of interactions between pathologists and clinicians that happen every day. ■

## The Chairman of the Department of Pathology



***William H. Welch***  
***1896 - 1917***



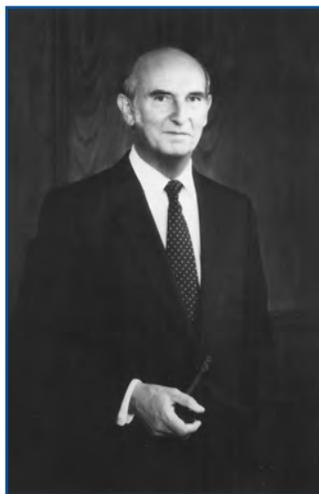
***William G. MacCallum***  
***1917 - 1944***



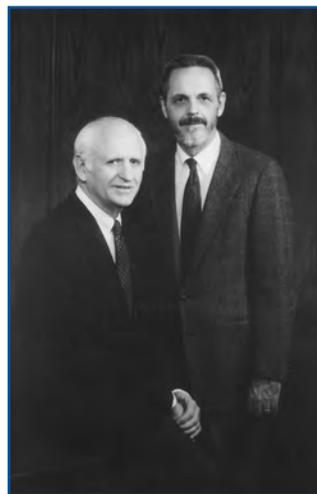
***Arnold R. Rich***  
***1944 - 1957***



***Ivan L. Bennett, Jr.***  
***1957 - 1968***



***Robert H. Heptinstall***  
***1969 - 1988***



***John H. Yardley &  
John K. Boitnott***  
***1988 - 1993***



***Fred Sanfilippo***  
***1993 - 2000***



***Brooks Jackson***  
***2000 -***

## FUNDING OUR FUTURE

Our endowed funds and fellowships continue to grow, and to provide significant support for the training of a number of talented young physician scientists. Our funds and fellowships also serve to honor some of the treasured icons of the Department, and to remind our young trainees of their rich heritage. Please consider supporting these important activities.



### William Welch Award

The William Welch Award has been established to acknowledge the Outstanding Achievement in Pathology by a second year medical student.

### The Joseph Eggleston Fund in Surgical Pathology

Joe Eggleston was one of the true giants in the field of surgical pathology. We are pleased to announce that Dr. Janis Taube is the fourth recipient of this award. This award recognizes Dr. Taube's excellence in diagnostic surgical pathology and her cutting edge research in oncologic surgical pathology.

### The John H. Yardley Fellowship in Gastrointestinal Pathology

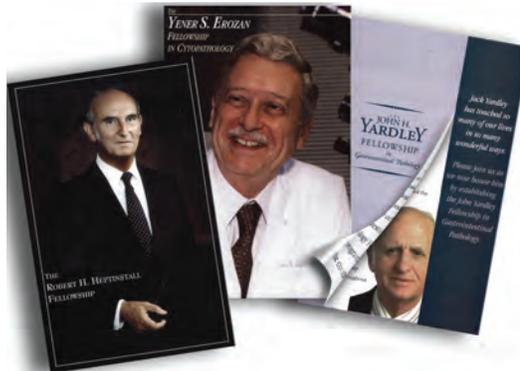
The John H. Yardley Fellowship in Gastrointestinal Pathology honors "the father of modern gastrointestinal pathology," Dr. Jon Davison is the Yardley fellow for the 2004-2005 academic year.

### The Yener S. Erozan Fellowship in Cytopathology

Dr. Erozan is one of the true giants in the field of cytopathology and a much-loved member of our faculty. The Yener S. Erozan Fellowship in Cytopathology supports promising pathologists pursuing advanced training in cytopathology.



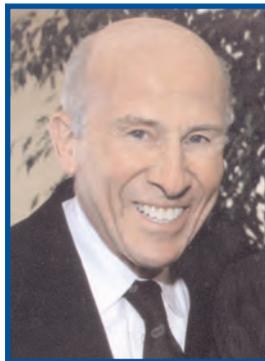
Joseph C. Eggleston



### The Robert H. Heptinstall Fellowship

Heppy is well known to all of us and no words could adequately describe him. The campaign to endow the Robert H. Heptinstall Fellowship is still ongoing. The Robert H. Heptinstall Fellowship promotes research activities and clinical training of outstanding young pathologists pursuing careers in research.

### Gerald S. Spear JHU-UCI Medical Student Pathology Fellowship



Gerald S. Spear

The Department of Pathology & Laboratory Medicine of the School of Medicine at the University of California Irvine has inaugurated the Gerald S. Spear Johns Hopkins University-University of California Irvine Medical Student Pathology Fellowship in commemoration of the retirement of Dr. Gerald S. Spear. The Spear Pathology Fellowship provides a UC Irvine student who has excelled in pathology with the opportunity to participate in a one month elective in the Department of Pathology at Johns Hopkins School of Medicine, thereby to inspire respect for and, possibly, a career in pathology.

Dr. Spear graduated from the Johns Hopkins University School of Medicine in 1952 after

graduating cum laude from Harvard College in 1948. After spending a year at Barnes Hospital in St. Louis, Dr. Spear returned to Hopkins for residency training and joined the faculty in 1953. In 1977, Dr. Spear left Hopkins to join the faculty at UC Irvine where he served as both Chief of the Autopsy Service from 1977-2003 and as Director of the Pathology Course from 1978-1991. It was at UC Irvine that he continued to pursue his special interests in fetal, perinatal and renal pathology from 1977-2004.

Donations to the Gerald S. Spear JHU-UCI Medical Student Pathology Fellowship should be sent to: University of California, Irvine School of Medicine, Attn: Shane Wen, Pathology & Laboratory Medicine, D440 Medical Sciences I, Irvine, CA 92697-4800.



We ask you to consider supporting one or more of these funds and fellowships. We are enclosing a self-addressed return envelope to facilitate your contribution. For those considering a bequest or another mechanism of giving, please contact Dr. Ralph H. Hruban at 410-955-2163 or rhruban@jhmi.edu. If you would like to use a separate envelope, you may send your tax-deductible contributions payable to the Johns Hopkins University to:

Attn: Mabel Smith  
Department of Pathology  
The Johns Hopkins Hospital  
Carnegie 428  
600 North Wolfe Street  
Baltimore, MD 21287-6417 ■

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## The Mabel Smith Endowment for Resident Research

We are pleased to announce that The Mabel Smith Endowment for Resident Research and Education has reached the level of a named endowment with many thanks to Hopkins faculty, alumni and friends of Mabel's. This endowment honors Mabel Smith, Senior Administrator in the Pathology Department and employee since 1961. At Mabel's request, income from the fund will be used to finance special courses, research projects, travel and other needs for residents in the Department.

The recipient of these funds will be recognized each year at the Department's annual Awards Dinner. In this small way, Mabel's legacy will continue, and at the same time, encourage and recognize outstanding research by our resident trainees.

With your continued support we hope that the endowment will grow over the coming years. ■



**Dr. Ralph Hruban, Mabel Smith and Dr. Robert Heptinstall**

Donations are still being accepted in care of

*Dr. Ralph Hruban*

*The Johns Hopkins Medical Institutions,*

*401 N. Broadway, Weinberg 2242, Baltimore, MD 21231-2410*

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## GOLDMAN FAMILY TRUST FUNDS NEW PANCREATIC CANCER RESEARCH CENTER AT HOPKINS

The Sol Goldman Charitable Trust, a New York-based philanthropy, has endowed The Sol Goldman Pancreatic Cancer Research Center at Johns Hopkins. This new center will support a multi-disciplinary team of physicians and scientists. Their gift of \$10 million, one of the largest ever to a pathology department, represents the remarkable vision of Jane Goldman, a New York real estate developer. After losing her mother, Lillian Goldman, to pancreatic cancer in 2002, Jane decided to take action against the disease that took her mother's life. With the help of her husband, Dr. Benjamin Lewis, the family approached the team at Johns Hopkins with the goal of endowing a pancreatic cancer research center that would not only combat this terrible disease, but would also honor the legacy of Jane's parents, Sol and Lillian Goldman. The newly endowed center will be named The Sol Goldman Pancreatic Cancer Research Center. Sol Goldman started the family real estate business at the age of 17. He and Lillian were married when Lillian was 18, and together they built extensive real estate holdings including briefly, the Belvedere Hotel here in Baltimore. The Sol Goldman Charitable Trust is an independent foundation established in 1988 in New York City to support the arts, education, the environment, health organizations, human services and Jewish agencies.

One of the remarkable aspects of this gift to Johns Hopkins is that the Goldman family does not have historic ties to Hopkins. Instead, the family had the vision and selflessness to go beyond their native New York to seek out and support the leading pancreatic cancer research group. The group's team approach, past record of success, and desire to pursue novel ideas all attracted the Goldmans to Hopkins.

The new center will be directed by Dr. Ralph Hruban, with leadership representation from the departments of Surgery, Oncology, Radiation Oncology and Radiology. Institutional leadership and the Goldman family will help guide the Center. Income from the endowment will be used to support novel pancreatic cancer research. In addition to Dr. Hruban, pancreatic cancer researchers in the Department of Pathology include Drs. Jim Eshleman, Michael Goggins, Connie Griffin, Chris Iacobuzio-Donahue, Liz Jaffee, Scott Kern, Alison Klein, and Anirban Maitra. Members of the team from other departments include Drs. John Cameron, Kurt Campbell, Marcia Canto, Frederick Eckhauser, James Herman, Manuel Hidalgo, Dan Laheru, Steven Leach, Wells Messersmith, Akhilesh Pandey, and Richard Schulick.

With the recent severe decline in NIH funding, a gift such as this is essential to our efforts in fighting human disease. Thanks to this extremely generous family, we can be assured that the war against pancreatic cancer will continue for years to come. ■

<http://pathology2.jhu.edu/pancreas/goldmancenter>

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## New Grants and Contracts Awarded to Pathology Faculty , May 1, 2004 - Sept 20, 2005

<b><u>FACULTY MEMBER</u></b>	<b><u>AWARD TYPE</u></b>	<b><u>AGENCY</u></b>	<b><u>DATES</u></b>	<b><u>TOTAL FUNDING</u></b>
Altio, Soner	Grant	JHU Institutional Research Prog.	02/01/05-01/31/06	20,000
Bagnasco, Serena	Grant	National Kidney Foundation	07/01/05-06/30/06	8,225
Bagnasco, Serena	Contract	Pfizer, Inc.	08/9/05-08/8/06	70,000
Berman, David	Grant	Pat Walsh Research Fund	04/01/05-3/31/06	75,000
Berman, David	Contract	Stemline Therapeutics	06/21/04-06/21/06	96,800
Borchelt, David	Grant	Huntingtons Disease Society	01/01/04-12/31/05	90,000
Borchelt, David	Grant	Huntingtons Disease Society	01/01/04-12/31/05	90,000
Borchelt, David	R21 Grant	NIH/NIA	09/30/04-07/31/05	163,500
Borowitz, Michael	R21 Grant	NIH/NCI	04/01/05-03/31/07	574,527
Bova, Steven	Grant	Dept of Defense - US Army	09/01/04-08/31/05	122,625
Bova, Steven	Subcontract	Expression Pathology, Inc.	10/01/04-09/30/05	40,152
Bova, Steven	Grant	Dept of Defense - US Army	11/15/04-11/14/05	122,625
Bova, Steven	Grant	Prostate Cancer Foundation	04/1/05-10/31/05	10,000
Carroll, Karen	Contract	ISIS Pharmaceuticals	07/01/04-01/31/05	35,518
Carroll, Karen	Contract	Ventria Biosciences	05/15/05-10/31/05	26,648
Caturegli, Patrizio	Grant	JHU Institutional Research Prog.	07/01/05-06/30/06	20,000
Chan, Daniel	Fellowship	Bayer Fellowship Award	01/01/04-12/31/05	100,000
Chan, Daniel	Contract	Abbott Laboratories	09/01/04-08/31/07	798,600
Chan, Daniel	Contract	Matritech, Inc.	05/01/04-11/30/04	11,722
Chan, Daniel	Fellowship	Roche Diagnostics	10/01/04-09/30/06	100,000
Chan, Daniel	U24 Grant	NIH/NCI	03/01/05-02/28/10	2,261,144
Chen, Frank	Grant	American Soc. Of Cytopathology	01/01/05-12/31/05	5,000
Clarke, William	Contract	Axis Shield Diagnostics	10/20/04-12/31/04	14,500
DeMarzo, Angelo	Grant	Pat Walsh Research Fund	04/01/05-3/31/06	75,000
DeMarzo, Angelo	Contract	Glaxo Smithkline	05/1/05-04/30/06	126,038
Eberhart, Charles	Grant	Childrens Cancer Foundation	11/01/04-10/31/05	85,000
Fan, Xing	Fellowship	American Brain Tumor Assn.	07/01/05-06/30/07	70,000
Farah, Mohammed	Fellowship	NIH/NIA	09/01/04-08/31/06	90,272
Griffin, Constance	Subcontract	Mass. General Hospital	07/01/04-12/31/04	40,920
Halushka, Marc	Grant	Amer. Diabetes Association	01/01/05-12/31/05	414,000
Hamad, Abdel	R21 Grant	NIH/NIDDK	08/01/04-07/31/06	482,880
Hung, Chien-Fu	Grant	Alliance for Cancer Gene Therapy	12/01/04-11/30/07	248,468
Iacobuzio-Donahue, Chris	K08 Grant	NIH/NCI	09/01/04-08/31/09	700,650
Iacobuzio-Donahue, Chris	Grant	Amer. Assn. for Cancer Research	07/01/05-06/30/07	100,000
Karhadkar, Sunil	Grant	FAMRI	07/01/04-06/30/07	162,750
Kickler, Thomas	Contract	Sysmex Corporation	09/30/04-02/15/05	22,841
Koliatsos, Vassilis	Contract	Novartis	10/21/04-12/31/05	145,056
Kurman & Ronnett, Drs.	Contract	Merck & Co., Inc.	06/01/04-12/31/08	1,996,000
Lee, Michael	R21 Grant	NIH/NINDS	06/01/04-05/31/06	378,094
Li, Jinong	Grant	Susan Komen Breast Ca Fdn.	05/01/05-04/30/07	249,761
Maitra, Anirban	Grant	Lustgarten Foundation	08/01/04-05/31/05	187,469
Maitra, Anirban	R01 Grant	NIH/NCI	04/01/05-03/31/10	1,615,303
Maitra, Anirban	R21 Grant	NIH/NIDDK	08/01/05-07/31/07	449,115
Martin, Lee	R01 Grant	NIH/NINDS	04/01/05-03/31/10	1,514,226
Miller, Robert	Contract	NIH/NIAID	11/16/04-11/15/11	15,840,002
Nakayama & Shih, Drs.	Grant	HERA Foundation	05/01/05-04/30/06	20,000
Oelke, Mathias	Grant	JHSPH Malaria Program	03/01/05-02/28/07	199,676

*Continued on page 11*

## New Grants and Contracts Awarded to Pathology Faculty , May 1, 2004 - Sept 20, 2005

Continued from page 10

Oelke, Mathias	Grant	Dept of Defense - US Army	12/01/04-11/30/07	367,216
Oh, Esther	Grant	Fidelity Foundation	07/1/05-06/30/06	72,318
Pasternack, Gary	Subcontract	Marligen Biosciences	02/01/04-09/30/04	33,000
Powell, Eric	Fellowship	Lilly Research Labs	07/01/04-06/30/05	67,768
Racke, Fred	Grant	JHU Institutional Research Prog.	02/01/05-01/31/06	20,000
Roden, Richard	Grant	Mary Kay Ash Foundation	8/15/05-8/14/07	100,000
Rose, Noel	R01 Grant	NIH/NHLBI	07/01/04-05/31/08	1,308,000
Sadegh-Nasseri, Sch.	R56 Grant	NIH/NIAID	03/01/05-02/28/06	325,000
Santillan & Roden, Drs.	Grant	HERA Foundation	05/01/05-04/30/06	20,000
Sato, Norihiro	Grant	National Pancreas Foundation	06/01/05-05/31/06	25,000
Savonenko, Alena	Grant	Adler Foundation	07/01/05-06/30/06	40,000
Savonenko, Alena	Grant	Alzheimer's Association	09/1/05-08/31/08	240,000
Schneck, Jonathan	R01 Grant	NIH/NCI	07/01/04-06/30/09	1,675,875
Shih, Ie-Ming	R01 Grant	NIH/NCI	07/01/04-06/30/07	1,005,525
Sokoll, Lori	Contract	Roche Diagnostics	04/01/05-8/31/05	16,779
Troncoso, Juan	Contract	Blanchette Rockefeller Inst.	07/01/04-06/30/07	185,000
Troncoso, Juan	Subcontract	UC -Irvine	02/10/05-08/31/07	20,000
Tuder, Rubin	R21 Grant	NIH/NHLBI	07/01/04-06/30/06	321,493
Tuder, Rubin	Contract	Quark Biotech, Inc.	10/01/04-10/31/05	100,000
Valsamakis, Alexandra	Contract	Roche Molecular Systems	12/21/04-12/20/05	43,234
Wasowska, Barbara	Grant	RocheTransplant Program	07/01/04-06/30/07	242,886
Wong, Phil	Grant	Alzheimer's Association	08/01/04-07/31/05	250,000
Wong, Phil	P01 Grant	NIH/NINDS	05/01/05-04/30/10	5,152,161
Wu, TC	R01 Grant	NIH/NCI	04/01/05-03/31/10	1,615,303
Total				\$43,316,665

## The Johns Hopkins Cytopathology Division captivates the 53rd Annual American Society of Cytopathology's Scientific Meeting.

Once again, the Division of Cytopathology has demonstrated its important role in the American Society of Cytopathology at its Annual Meeting. First and foremost *Dr. Dorothy L. Rosenthal* was awarded the Papanicolaou Award. The Papanicolaou Award is the highest award given by the American Society of Cytopathology and is presented annually to an individual in recognition of meritorious contributions in the field of cytology. *Dr. Rosenthal's* acceptance speech was one of the wisest and most provocative in recent memory. Of course we would expect no less from her! At the awards banquet, a multimedia extravaganza highlighted her career.

*Dr. Rosenthal* was not the only awardee of this year's meeting. *Mr. Erik Kincaid*, an up-and-coming cytotechnologist in the division received two awards: the Geno Saccomanno, M.D. New Frontiers in Cytology for his research with *Dr. Somer Altioek* and the ASC Foundation's Cytotechnologist Scholarship Award in recognition of his enthusiasm and dedication.

*Dr. Douglas Clark* was constantly busy behind the scenes as the Chair of the Scientific Program Committee. One unexpected highlight of his programming was a presentation by a veterinarian from the San Diego Zoo on

animal to human disease transmission that beautifully combined cute zoo animal pictures with science about important zoonotic diseases such as avian flu. Since *Dr. Clark* will also be responsible for planning the 2006 meeting he was frequently asked, "How are you going to top the Zoo Guy?"

As usual Johns Hopkins contributed significantly to the scientific content of the meeting including 12 posters and 1 platform presentation. Contributors were led by *Dr. Syed Z. Ali* with 8 posters. Other contributors included *Julie Wu, Deidra Kelly, Heather Sabaka, Dorothy Rosenthal, Douglas Clark, Erik Kincaid, Christopher Owens, Edward Weir, Yener Erozan, Jeffrey Ilding and Danielle Weble*. Hopkins preeminence as an educational center was also demonstrated in the workshops given by *Drs. Yener S. Erozan and Syed Z. Ali*.

Current division members also had the opportunity to reminisce with previous fellows at the annual Johns Hopkins Breakfast. The familiar faces included *Drs. David Steinberg, Bin Yang, and Robert Pu*, as well as current Hopkins friends, *Susan Geddes, Fran Burroughs, Dr. Karen Gustafson, and Karen Plowden*. We hope everyone can join us next year in Toronto on November 4-8, 2006 for the 54th Annual Scientific Meeting! ■

## Department of Pathology Incoming House Staff, 2005-2006

### Priya Banerjee

Priya was born in Buffalo, NY. She completed her undergraduate work at the University of Maryland, earning her degree in Cell Biology and Molecular Genetics. She received her medical training at The University of Pennsylvania School of Medicine. Priya is pursuing AP/CP training.



### Toby Cornish

Toby was born in Peoria, IL. He completed his undergraduate work at Bradley University in Peoria earning a degree in Biochemistry. He received his medical training at the University of Illinois where he completed combined MD/PhD training. Toby's research included quantitative and morphometric study of acetylcholine receptor clustering using agrin derivatives as well as advanced techniques in computer-assisted analysis of fluorescence micrographs. Toby is pursuing AP/CP training.



### Amy Duffield

Amy was born in Wilmington, DE. She completed her undergraduate work at Wesleyan University in Middleton, CT, earning degrees in Chemistry and Molecular Biology and Biochemistry. After graduation she worked as a Research Scientist for Bristol-Myers Squibb. She subsequently enrolled at Yale University for her medical training and completed combined MD/PhD training. Amy's research investigated intracellular trafficking and interaction partners of H,K-ATPase in gastric epithelium. Amy is pursuing AP/CP training.



### Michael Johnson

Michael was born in Orlando, FL. After completing undergraduate studies at UCLA, he subsequently earned a PhD from UCLA in the section of neuroscience. His graduate work focused on characterizing the expression of and providing evidence for the function of two genes in tuberous sclerosis. He earned his MD at Northwestern University in Chicago. Michael is pursuing AP/NP training.



### Joseph Maleszewski

Joe was born in Warren, MI. He completed his undergraduate work at Michigan State with a degree in Physiology. He stayed at Michigan State for his medical training where he earned an MD. Joe is pursuing AP/CP training.



### Chanjuan Shi

Chanjuan was born in China and completed her MD at Zhejiang Medical University, where she ranked second in her class of 366. She subsequently earned a PhD in Pharmacology at Dalhousie University in Halifax, Canada. Most recently she has worked at Johns Hopkins as a post-doctoral fellow in the clinical Molecular Diagnostic Laboratory. Her work at JHH has focused on detection of pancreatic cancers in pancreatic duct juice and detection of drug resistant strains of HIV. Chanjuan is pursuing AP/CP training.



### Lisa Stoll

Lisa was born in Pennsylvania and grew up in San Ramon, CA. She completed her undergraduate work at the University of Arizona, earning degrees in Chemistry and Molecular and Cellular Biology. She subsequently matriculated at Yale and completed an MPH. She completed her MD and a post-sophomore fellowship at the University of Connecticut School of Medicine. Lisa is pursuing AP/CP training.



### Julie Wu

Julie was born in Taiwan and emigrated with her family to California at age seven. She completed her undergraduate studies at UC Berkeley (Go Bears!) where she double majored in Biochemistry and English. She subsequently completed her medical training at Johns Hopkins University School of Medicine. She is pursuing AP/CP training. ■



## Welcome to the Graduate Training Program in Pathobiology 2005-2006 Incoming Students

### Po-Min Chiang

Dr. Chiang received his MD in 2001 from the National Cheng Kung University. Po-Min also completed a Pathology residency at the National Taiwan University Hospital in June, 2005. Po-Min's goal is to be a research pathologist in the field of neuropathology.



### Joseph Garay

Joseph Garay graduated from Miami University in 2005 with a degree in Zoology. Joseph is interested in tumor biology with a focus on signal transduction pathways because of the potential of targeting these pathways to inhibit the spread and growth of cancers.



### Barry Gertz

Barry Gertz graduated from University of Maryland, College Park with a BS in Microbiology and from Yeshiva College with a BA in Talmudic Law. He is currently a research associate at Metamorphix, Inc., in Savage, MD, working on purification, formulation of chimeric proteins for in vivo studies and developing protocols for purification. While working at the NCI, he studied the role of chemokines in angiogenesis and intracellular trafficking of internalized chemokine receptors. Barry also tested chimeric proteins in in vitro systems for comparative activity.



### Youngtae Jeong

Dr. Jeong received his M.D. from the Seoul National University in 2001 and continues his research on the mechanism of radiation-induced apoptosis of NK/T-cell lymphoma at the molecular level, using Hank1 cell line and enhancement of radiation-induced tumor cell death using heat shock protein 70 antisense. While at Johns Hopkins he would like to study more effective ways of antigen presentation, tumor immunology, or apoptosis and differentiation of immune cells.



### Taylor Reynolds

Dr. Reynolds received her BS from Colorado College in 1993 and DVM from Tufts University School of Veterinary Medicine in 2000. She completed a residency in Anatomic Pathology at North Carolina State University School of Veterinary Medicine in 2003, and became a board certified anatomic veterinary pathologist in 2004. Taylor wants to become a biomedical researcher to improve global human, animal and ecosystem health. Her career objective is to become a research scientist in immunology. She is interested in comparative exploration of the innate immune system with the aim of understanding how environmental and genetic factors influence the development of disease.



### Brian Simons

Dr. Simons graduated from Texas A&M University with a BS in Genetics in 2000; a BA in Philosophy, 2000, and a DVM in Veterinary Medicine in 2004. His research interests are in the field of cancer biology. Brian is currently a fellow in the Department of Comparative Medicine where he has had a year of veterinary pathology.



### Genevieve Weber

Genevieve graduated from Rensselaer Polytechnic Institute with a BS in Bioinformatics and Molecular Biology in 2005. She is interested in virology, microbiology, parasitology, and immunology. While at Johns Hopkins she plans to concentrate on human pathological diseases. ■



## Pathology Photography Friendly Reminder

From the Office of Corporate Communications



This is the new corporate identity for the Johns Hopkins Medical Institutions. All out going graphic media should contain this logo. This includes posters, brochures, and other printed graphic media containing logos.

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## Awards / Recognition

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### **Pedram Argani, MD**

- Recipient of the W. Barry Wood Teaching Award Presented by The Johns Hopkins School of Medicine Class of 2007
- Resident Teaching Award in Anatomic Pathology

### **Janice Alvarez, HT(ASCP)**

Elected as Director of Region II  
National Society of Histotechnology

### **Michael J. Borowitz, MD, PhD**

Recipient of the Wallace H Coulter Award  
Presented by the Clinical Cytometry Society

### **Barbara J. Crain, MD, PhD**

President-elect, American Association of  
Neuropathologists

### **Angelo M. De Marzo, MD, PhD**

Recipient of the Donald S. Coffey Physician  
Scientist Award  
Presented by the Prostate Cancer Foundation

### **Barbara Detrick, PhD**

Elected President, Association of Medical  
Laboratory Immunologists 2005-2007

### **Charles G. Eberhart MD, PhD**

Recipient of the Lucien J. Rubenstein Award for  
Best Paper in Neuro-oncology  
Presented by the American Association of  
Neuropathologists

### **Jonathon I. Epstein, MD**

Elected President of International Society of  
Urological Pathology

### **Stanley R. Hamilton, MD**

Inducted into the Society of Scholars

### **Lorraine C. Racusen, MD**

- Member of the Program Committee for the American Society of Nephrology Annual Meeting
- Invited to write a commentary for the new American Society of Nephrology journal:

Clinical Journal of the American Society of  
Nephrology

- Invited to serve as Course Director for “Genes to Society” component of the new medical student curriculum beginning in the Fall of 2008.
- Member of the Planning Committee for the new Education Building scheduled for completion in 2008

### **George N. Papanicolaou Award**

Award for lifetime achievement in the field of  
cytopathology  
Presented by the American Society of  
Cytopathology

**Dorothy L. Rosenthal, MD, FIAC** – 2005  
recipient

**Yener S. Erozan, MD** – 1997 recipient

**John K. Frost, MD** – 1972 recipient

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### **BAKER-KING AWARD**

The Baker-King Award was created in 1962 by Dr. and Mrs. Theodore King, who recognized the significant contributions of all Hospital employees. The Baker-King Foundation established a fund to recognize employees in any non-exempt, non-supervisory position within JHHSC/JHH. The awards are presented to employees who have been truly outstanding in the performance of their job duties, and who thus set an example for all.

#### 2005 Award Recipients –

**Larisa Feinstein** – Larisa is a Lab Tech in Pathology at Howard County General Hospital.

“Larisa is a highly proficient lab technician who possesses excellent technical skills as well as customer service skills. Larisa is a truly outstanding and caring person.”



**Romulo Malacas** – Romulo “RJ” is a Lab Tech in the Core Pathology Laboratory.

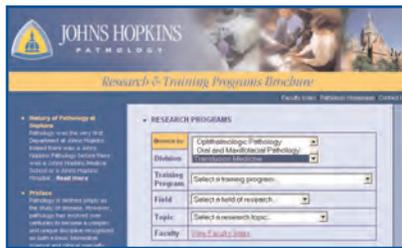
“RJ is an exemplary employee and coworker who is independently motivated, uncommonly reliable and remarkably adaptive to new challenges and multi-tasking.”



## On the Web...

### Latest Version of the Training Programs and Research Brochure now Online!

The Department of Pathology is an extraordinary environment for biomedical research and education focused on both the mechanisms and manifestations of disease. Of course, the key component of this environment is the expertise of our faculty. We are privileged to have distinguished faculty engaged in research and training in virtually every subspecialty area of basic and clinical pathology. The many outstanding research and training programs in Pathology are described in this brochure.



This year, the web version of the brochure has been entirely redesigned to enable users to view the material by division, training program, field of specialty, individual faculty and research topics. Current faculty members are now able to update their own listings and keep the information up to date.

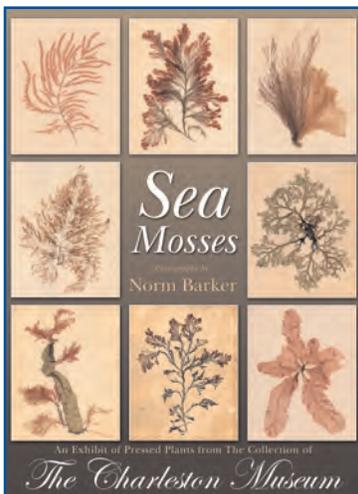
Stop by the site and browse the breadth and scope of innovative research, mentorship and training in the department at: <http://pathology2.jhu.edu/research-brochure>.

*Department members interested in developing new departmental Web sites or updating existing pages should contact Jennifer Brumbaugh at 410-614-7912.*

### Sea Mosses, Takes Top Award !!

In July at the 75th Annual Meeting of The BioCommunications Association in Portland, Oregon, Norm Barker's (Associate Professor of Pathology and Art as Applied to Medicine) design won top honors. The meeting was attended by photographers, designers, and people involved with imaging in the medical and biological sciences. Along with a full scientific program, the annual Bio Images Salon is a chance for media specialists to exhibit projects in still photography, motion media, graphic and Web design.

Norm's entry won an award of excellence in the Graphics Media Division for Poster Design. His design also won the overall "Best of Show." The poster entitled "Sea Mosses" was designed for an exhibit of Norm's photographs that will be on display at The Charleston Museum in Charleston, South Carolina. The show is scheduled for June 2006 and consists of high magnification images of 18th and 19th century beautiful pressed plants from the collection of The Smithsonian Institution and The Charleston Museum. The project is a true blend of art and science. The specimens are only a couple of inches in height and when enlarged 20 to 40 times of original size, take on a total different scale. Over the years it's amazing that the plants still retain so much of their original colors. To view the rest of the award winning images please visit [www.bca.org](http://www.bca.org) and go to the image gallery.



### 4th Annual Ovarian Cancer Climb for Life sm

The Johns Hopkins Ovarian Cancer Web site continues to flourish in its fifth year of existence. Several years ago, Sean Patrick, the Web site's cofounder, established the



HERA Women's Cancer Research Foundation. Her organization is hard at work planning several events to raise funds and awareness for ovarian cancer. Proceeds benefit the Johns Hopkins Ovarian Cancer Initiative, which focuses on research for early detection and new directions in treatment. Each year HERA hand-picks research projects to fund at Johns Hopkins.

*PHOTO: One of many climbing groups in the Wasatch Mountains of Utah.*

Last year a camera crew joined Sean Patrick and participants on their ascent of the Grand Teton. The footage was then featured on NBC's nationally syndicated Jane Pauley Show in September 2004. HERA has been seen on nine different television shows across the U.S., in sixteen magazines, including Glamour and Backpacker, in fourteen newspapers, from Seattle to New Jersey, and in six different industry newsletters.

This year's main event was the 4th Annual HERA Climb for Life, which took place on September 15-18 in beautiful Salt Lake City, Utah. The event featured two full days of climbing for all levels of participants, from novice to world class professional climbers, yoga, massage, meals, parties, and a film festival. Also in the works this year... two week-long climbing trips in Mexico and one in the Grand Tetons.

Learn more about the Climb for Life events at: <http://ovariancancer.jhmi.edu/climb>

### Mike on his Bike Fundraiser for Pancreatic Cancer Research

Mike Mullendore, a senior lab technician in Dr. Anirban Maitra's pancreatic cancer research laboratory, rode his bike from Indiana to Ohio this fall to raise awareness and funds for pancreas cancer research. Mike's journey started mid October and ended in Hudson, Ohio.



*PHOTO: Dr. Anirban Maitra with Mike and his Bike*

Under Dr. Anirban Maitra's direction, Mike has been researching the molecular mechanisms of pancreatic and biliary cancers. "I love working on cancer, especially pancreatic cancer because it is such a terrible disease... I know that our lab is going to make big strides in better understanding these diseases. I also know the cure is out there, we just have to look in the right place. Here at Hopkins great things are being done to better understand this disease, but in order to stay on the cutting edge and continue to move forward we need money to continue this invaluable research." Learn more about this event and view Mike's updates at: <http://pathology.jhu.edu/mikebike>

## Calendar

- February 11-17, 2006* United States and Canadian Academy of Pathology 94th Annual Meeting Hyatt Regency; Atlanta, Georgia
- February 13, 2006* Johns Hopkins Pathology Alumni Reception United States and Canadian Academy of Pathology Hyatt Regency; Atlanta, Georgia
- March 9, 2006* Pathology Young Investigators' Day 2006
- April 27-29, 2006* 7th Annual "Mastering the Challenges of Cytopathology" Hyatt Regency; Baltimore, Maryland
- October 4-5, 2006* 9th Annual Current Topics in Gynecology Pathology; Hyatt Regency; Baltimore, Maryland
- October 6-7, 2006* 6th Annual Current Topics in Gastrointestinal Pathology; Hyatt Regency; Baltimore, Maryland

## Congratulations to the 7th Annual Pathology Young Investigators' Day Awardees March 14, 2005

The Department of Pathology again had an excellent turnout for this year's Young Investigators' Day. You can view the award-winning abstracts online at:

<http://pathology2.jhu.edu/department/Pyid2005.cfm>

### **For Excellence in Basic Research**

Scott J. Cameron, Ph.D.  
Ratish Gambhira, D.V.M.  
Isamu Z. Hartman, B.S.  
Kristi L. Helke, D.V.M.  
Sunil S. Karhadkar, M.B.B.S.  
Ken-Yu Lin, B.S.  
Kedar Narayan, B.A.  
Jonathan W. Yu, B.A.

### **For Excellence in Clinical Research**

Tehmina Ali, M.B.B.S.  
Samson W. Fine, M.D.  
Mehsati Herawi, M.D., Ph.D.  
Kara Judson, M.D.  
Christopher L. Owens, M.D.  
Ashley E. Ross, B.S.  
Monica Srodon, M.D.  
Julie Wu, B.A.

### **For Excellence in Translational Research**

Jon M. Davison, M.D.  
Stina Tucker, B.A.  
Jun Zhang, M.D., M.S.

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