



Penn Surgery Society NEWS

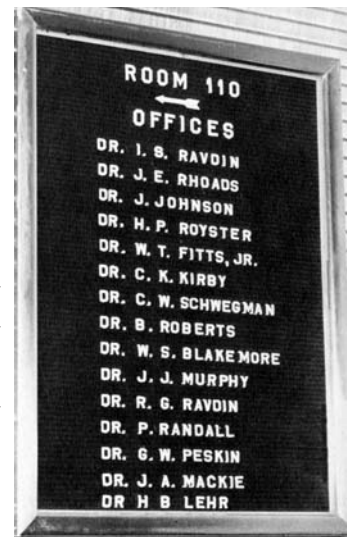
The Penn Surgery Society News is published quarterly for its members, colleagues and friends of the Department of Surgery. For submissions, inquiries or comments, please contact Mary.Hamburg@uphs.upenn.edu.

HUP 4 Silver Moves to the Perelman Center



Few members of the Society would remember the Department's outpatient and faculty offices ever being elsewhere than the 4th floor of Silverstein where they have been located for over 30 years. In September, the clinics were moved across 34th Street to the new Perelman Pavilion.

This will be the 5th move of the Department's outpatient clinics and the 1st outside of HUP. In 1945, when General I.S. Ravdin returned from commanding the 20th General Hospital in India, he and his partner, Jonathan Rhoads and Julian Johnson set up their offices and the Department's outpatient service on the 5th floor of the White Building. In 1956, the partners and a small group of their "employed" surgeons moved to the ground floor of Maloney (see list of surgeons Room 110). When the Ravdin Building opened in 1963, they moved to the ground floor of Ravdin. In 1978 when the Silverstein Building opened they moved to the quarters on the 4th floor that most of us remember.



As the size of the faculty increased (see plaque below) pressure for more space necessitated moves to provide additional areas for offices and/or clinics of several divisions including cardiac, urology, plastic and transplantation.



IN THIS ISSUE

From the Editor	2
Young Leader	2
Alumni History	3
Floss Kidwell	5
Medawar Prize	5
Research Activities Update	6
Alumni News	7
Upcoming Events	8





**Clyde F.
Barker,
M.D.**

From the Editor

This issue profiles Leonard Miller a past society member who was the eponymic source of another of the Department's annual awards.

Because in life one gets to know one's competitors best, I knew Len particularly well. In the beginning Len and I were not only friends but competitors. Like all of our contemporaries in HUP's semi-pyramidal system residency of that time we competed for the job of chief resident. Fortunately for me there was room for more than one chief resident per year and Len and I shared that designation in our senior year (also with Horace MacVaugh).

During those years and thereafter Len and I remained close friends. We commiserated over the buffering we sustained at the hands of some of our chiefs. As junior faculty members, we spent hours discussing the proper role of an academic surgeon and how we might shape a Department if we had the opportunity to lead one - little thinking that we might someday each in turn have a chance to try our ideas in this department. We were co-conspirators when Len was a candidate for the chair, and later when I became a candidate he supported me. I like to think I was a help to him when he was chairman and greatly valued his wisdom and solid support during my tour as chairman.

During his 40 years at Penn, Leonard Miller occupied a series of leadership positions, from medical school class president to chief surgical resident, to department chairman to chief of the "ward" teaching service. A department tends to take on the characteristics of its leaders. Although Len did not invent generosity or avoidance of self-aggrandizement, he was perhaps the greatest proponent of these qualities. Some of his characteristics rubbed off on his colleagues at HUP and elsewhere wherever his disciples migrated. It is impossible not to remember his passion as a baseball fan and historian, his sense of humor and his infectious but totally inimitable laugh.

Young Leader

Sunil Singhal

Sunil Singhal is a graduate of Dartmouth College (1994) and the University of Pennsylvania Medical School (1988). He trained in General Surgery at Johns Hopkins under Drs. John Cameron and Keith Lillemoe, and as a fellow in Thoracic Surgery at HUP under Drs. Joel Cooper and Larry Kaiser. During his residency, he spent two years as a post doctoral research fellow in the laboratory of Drs. Larry Kaiser and Steve Albelda establishing a novel cytokine based immunotherapy approach to eliminate non-small cell lung cancers. He won several awards for this work including the C. Walton Lillehei Award from the American Association of Thoracic Surgery and the Lucy Wortham James Research Award from the Society of Surgical Oncology.



In 2008, Sunil was appointed Assistant Professor of Surgery at Penn. He is also Chief of the Section of Thoracic Surgery at the V.A. and Director of the Thoracic Surgery Research Laboratory. His research is focused on finding unique ways to prevent recurrences after cancer surgery. Sunil commented, "As Surgical Oncologists, we are still failing. Last year, 45% of all Americans who underwent cancer surgery developed local and/or systemic recurrences. Most of these patients died. Many recurrences were the result of incomplete resections of tumors or failure to recognize and remove tumor implants or involved lymph nodes. To address this problem Sunil is developing two translational research programs.

He is utilizing an intraoperative imaging program that employs nanotechnology for immediate identification of elusive tumor implants, check bronchial margins and select suspicious lymph nodes at the time of lung cancer surgery. This avoids the delays inherent in awaiting frozen or permanent histologic sections. Sunil summarized, "For the last century, surgeons have been using the same tools in the operating room, their eyes and their hands, to find cancer nodules. In this age of targeted nanodiagnostic agents and other sophisticated imaging devices, the future of Surgical Oncology lies in bringing technology into the operating room to obtain better margins, locate residual disease and select involved lymph nodes." Encouraging results of his animal studies at the Veterinary Hospital are expected to result in approval this winter of a Phase I human clinical trial of image guided cancer surgery for lung cancer. This will be the first trial of its kind using nanotechnology in the United States. This work has been funded by the NIH with a Grand Opportunities Grant as well as two other Foundation awards.

Sunil's second research interest is the study of the immune system of cancer victims after surgery. "Scientists have always assumed that once a tumor was removed, a patient's immune system would improve eventually returning to normal. But, instead the immune system of a cancer victim may have long term memory that continues to set the stage for recurrence." To confirm this hypothesis, Sunil is studying whether changes in immune profile of patients undergoing lung cancer surgery are correlated with outcome.

(continued on page 6)

Alumni History

Leonard Miller (1930-1998)

Leonard Miller was born July 8, 1930 in Jersey City, New Jersey. After early education in the Jersey City public schools, where he was a distinguished scholar and an All-City high school basketball player, he attended Yale University graduating in 1951. At Penn's Medical School he was president of his class and editor of the year book, graduating in 1955. After internship and a year of surgical residency at the Hospital of the University of Pennsylvania, he served from 1957 to 1959 as a captain in the U.S. Air Force and as Chief of the surgical Service and commander of a large Air Force hospital in England. After returning to the University of Pennsylvania and completing his surgical residency in 1964, he was appointed to the faculty and becoming a full professor five years later.

In measuring a man's career, it is interesting to reflect on the extent to which he may have accomplished his goals. During his entire professional life, Len's greatest commitment was to education. As he began his faculty career, he set forth his professional goals in a career development grant application, which is preserved in the archives of the Department of Surgery. It could have served as his epitaph. He wrote,

I hope the coming years will bear evidence of the realization of some, if not all, of my fundamental aims. The three cornerstones upon which Penn's Medical School was built listed in their order of importance are: teaching, research and the care of patients. I am intent upon devoting myself primarily to teaching and research. Teaching is the aspect of medicine that satisfies me most fully. However, I am unwilling to give up the care of surgical patients because a surgeon cannot adequately teach completely from the printed page. My first experience with teaching came in 1951. I took a position with an inter-denominational church group called the East Harlem Protestant Parish. East Harlem is a remarkable overcrowded slum-infested area of New York City which has the highest tuberculosis and narcotics addiction rate of any neighborhood in the country. There, I worked, lived with teenagers and taught informal sessions in the Natural Sciences...I had several other duties including getting the children out of the city into summer camps. My own purposes were humanistic rather than evangelical, but the experience left a deep impression on me. Small steps forward with these youngsters were large triumphs to me.



One can easily imagine what Len must have meant to the teenagers in East Harlem. Although HUP and Penn's Medical School are quite different venues, his style as a teacher never changed much. His approach was in fact almost evangelical. After finishing his tour as department chairman, Len took on the responsibility as chief of the teaching service. For the next 14 years he closely supervised the patients on this "ward" service by attending all the residents' operations including those at night and on the weekends. Students and residents schemed to be on his teaching service, in his quiz sections and his other classes. Like the Harlem teenagers their small steps forward were viewed as major triumphs for Len. They recognized him with many awards: a Lindback Award; an honorary faculty membership in the AOA; designation as the best clinical teacher by the medical school classes of 1992, 1993 and 1996; and by the surgical residents five times as their best teacher of the year. His national recognition as an educator was confirmed by his appointment as Chair of the Surgical Education Committee of the Society of University Surgeons. Len truly accomplished the goals as a teacher he had set for himself in 1964.

Leonard Miller (continued from page 3)

During his 33 years as a faculty member Len assumed many important administrative roles. He served as Chair of the Medical Board of the Hospital of the University of Pennsylvania. He also chaired the Steering Committee of the Medical Faculty Senate, and the Admissions Committee of the School of Medicine. He was Director of the Shock and Trauma Unit from 1967 to 1972. He was the J. William White Professor of Surgical Research from 1970 to 1978. After several years as Acting Chairman of the Department of Surgery, he succeeded William T. Fitts, Jr. as John Rhea Barton Professor and Chairman of the Department of Surgery in 1978, and served in this role until 1983.

During his early career, Len was productive in basic research. From 1972 to 1983 he was Director of the Harrison Department of Surgical Research. His research contributions, which led to more than 100 publications, were significant in several different areas, which included circulation of the kidney, the renin-angiotensin system, and the impact of shock on oxygen transport and mitochondrial function. His major clinical research interests were cancer of the large bowel, portal hypertension, and the use of portacaval shunts.

The success of a researcher is often evident from those he chooses to learn from, collaborate with, or teach. For Len, individuals in these categories included: Drs. Rhoads, Roberts, Murphy, Peskin, Nance, Barker, Fitts, Dudrick, Kuo, Joyner, Itskowitz, Berkowitz, Copeland, Frank and Ernie Rosato, Scott Jones, Frank Oski, Maria Papadopoulis, Harvey Sugarman, Lena Mela, Saul Winegrad, Bob Forster, John Senior, Cleon Goodwin and Frank Brooks with whom he spent a year in the Department of Physiology.

Len was elected to membership in many distinguished medical and scientific societies including the American Physiological Society, the Society of University Surgeons, the American Surgical Association, the Surgical Biology Club I and the Halsted Society. For many years, he was a member of the editorial board of the *Annals of Surgery*. He also edited with its HUP residents Ed Savage and Steve Fishman a book on the essentials of basic science in surgery.

For more than forty years Len Miller was an important force at the University of Pennsylvania and especially in its Department of Surgery. Even as a resident he was recognized by medical students and junior residents as an outstanding teacher. Later his teaching skills would become almost legendary. He was more broadly knowledgeable about surgery than anyone can remember and he was eager and effective in sharing this knowledge.

Previous Winners of The Leonard D. Miller Award

Awarded to those surgical resident whose clinical instruction of medical students most nearly approaches the standard of excellence set by Surgery's Master Educator, Leonard D. Miller.

- ◆ David H. Stitelman, M.D. - 2010
- ◆ Adam J. Kaye, M.D. - 2009
- ◆ Michael E. Friscia, M.D. - 2008
- ◆ David H. Stitelman, M.D. - 2007
- ◆ Lee J. Goldstein, M.D. - 2006
- ◆ Richard J. Myung, M.D. - 2005
- ◆ Vasant Jayasankar, M.D. - 2004
- ◆ Samantha K. Hendren, M.D. - 2003
- ◆ Eric S. Lambright, M.D. - 2002
- ◆ Ross Milner, M.D. - 2001
- ◆ Michael Y. Chang, M.D. - 2000
- ◆ A. Sasha Krupnick, M.D. - 1999
- ◆ Thomas E. Hamilton, M.D. - 1998
- ◆ Susan E. Lerner, M.D. - 1997

But more so than his professional accomplishments and contributions to his school and department it was Len's personal qualities which endeared him to his students and colleagues.

Over the last decade of his life and particularly in his last illness he exhibited great courage and resilience. This was apparent first in his return to an active role in the department after the disappointment of being forced by his health to give up the chairmanship he had achieved through so much hard work and personal success. After this teaching became his mission and almost totally occupied his waking hours. It was a tragic irony that his terminal illness robbed him of his ability to speak and thus his life long passion, teaching. He confronted his final illness with a stubbornness and apparent good cheer that should serve as a lesson to everyone.

Fond Farewell to Floss!



Many of our Alumni from 1990 to present day know the incredibly hardworking Floss Kidwell. Floss started at HUP in the Department of Medicine back in August of 1989. She became the R e s i d e n c y

Coordinator of the General Surgery training program in November of 1990 and gave ten long, long years to the Division

of Surgery Education in that role before moving on to the Office of Graduate Medical Education in 2000. In 2005 Floss was persuaded to come back in to the fold of the Surgery Education Division to assist with special projects. However, now the time has come for Floss to hang up her sneakers and say goodbye. With her husband Lindy by her side as well as her many children and grandchildren, Floss will be retiring at the end of October. We truly thank her for her great dedication to the housestaff, the faculty, and the Surgery Education Division over these many years.

We wish Floss and her family much joy and happiness in the years to come.

If you would like to send Floss a farewell email, she can be reached until the end of October at kidwellf@uphs.upenn.edu.

Clyde Barker, M.D.

Awarded Prestigious Medawar Prize

On August 18, Dr. Clyde Barker was awarded the Medawar Prize at the Congress of the International Transplantation Society in Vancouver. This is the Transplantation Society's highest honor. It is awarded every 2 years in remembrance of Sir Peter Medawar, 1980 Nobel Laureate and the Society's first president. Previous Medawar Prize winners include Dr. Barker's mentor, Rupert



Transplant Students and Fellows 1971-2010

■ Peter Abt	■ Ed Alfrey	■ Juan Arenas	■ Mark Asplund
■ Steve Bartlett	■ Hamid Bassiri	■ Don Belgrau	■ Ken Brayman
■ Jon Bromberg	■ Luis Campos	■ Stan Chao	■ Ken Chavin
■ Mike Choti	■ Gordon Chu	■ John Contis	■ Michael Crawford
■ Don Dafeo	■ David Deaton	■ Ron DeMatteo	■ Shopping Deng
■ Niraj Desai	■ F. Edigi	■ Leo Frangipane	■ Adam Frank
■ John Frankfort	■ Amy Friedman	■ James Gadzik	■ Siri Greeley
■ Stuart Greenstein	■ YK Huang	■ Jill Jacobson	■ H. Jahr
■ Bob Ketchum	■ James Kim	■ Hiromitsu Kimura	■ Brigita Koeberlein
■ Viek Kumar	■ Susan Lerner	■ Mark Levy	■ Chenyang Liu
■ Lisa Marcucci	■ Eileen Markmann	■ Jim Markmann	■ George Mayo
■ James Min	■ M. Mohiuddin	■ Dan Moore	■ Shantha Mooteri
■ Ali Naji	■ Hooman Noorchasm	■ Tim O'Connor	■ Jon Odorico
■ Meral Palanjian	■ Ron Parsons	■ Leonard Perloff	■ Paige Porrett
■ Andy Posselt	■ Craig Reckard	■ Robert Redfield	■ Amy Reed
■ Jessica Roark	■ Alan Roza	■ Alex Schlacterman	■ Marty Sellers
■ Mark Shackner	■ Howard Silberman	■ Roy Smythe	■ Howard Song
■ Dick Spence	■ Lori Tefra	■ Masayuki Tori	■ Fumi Ughikoshi
■ Ergun Veldedeoglu	■ Marcus Weber	■ Manfred Woehrl	■ Yoshi Yako
■ ZD Yang	■ Heidi Yeh	■ Gideon Zamir	■ Moritz Ziegler

Billingham, Thomas Starzl, Leslie Brent, Sir Roy Calne, Norman Shumway, Joseph Murray, Sir Peter Morris, Carl Groth, Paul Russell and Tony Monaco.

In his acceptance speech, Dr. Barker attributed his success largely to the contributions of his colleagues and those of the transplant fellows and students who trained at Penn during his 35 years as director of the clinical and research transplantation programs. Many of these individuals now occupy leadership positions in the field.

Harrison Department of Research

Research Activities Update

Department of Surgery investigators received \$16 million research funding in the fiscal year ending June 30. This funding continues to support the department's long history of innovative and important research contributing to the advancement of medicine in an extremely difficult funding environment.

Our investigators received new NIH grant awards in excess of \$4 million during this time period. The top three NIH grant awards by investigator went to Abraham Shaked, M.D., Ph.D. (Transplant Surgery), Samuel Chacko, D.V.M., Ph.D. (Urology) and Giovanni Ferrari, Ph.D. (Cardiac). The top NIH grant awards by Division went to Transplant; Urology; Cardiac; Thoracic; and, Endocrine and Oncologic Surgery.

Department investigators continue to compete successfully for research dollars from not-for-profits and industry as well. Top funding by divisions receiving more than \$750,000 in awards during the fiscal year went to Cardiac Surgery; Transplant; Urology; Thoracic, GI Surgery and, Endocrine and Oncologic Surgery. Participation in clinical trials continues to grow at the same time. Our surgeons are often the lead or one of the top sites for accrual in many multi-center clinical trials, and taking a lead role in developing investigator initiated trials as well. Clinical trial activ-



ity extends through all of the Divisions within the Department. In addition to external research funding, the Department supports pilot and ongoing research efforts by investigators using income from its endowment.

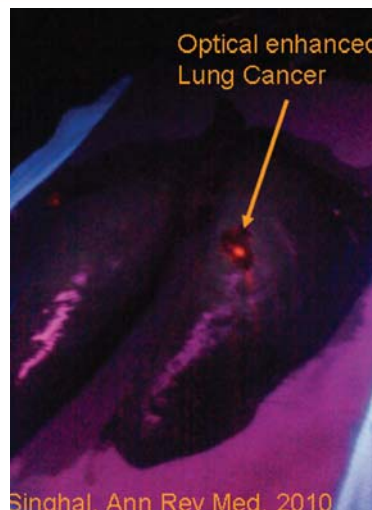
For more information regarding Department research efforts contact Doug Fraker, M.D., Vice Chair for Research (doug.fraker@uphs.upenn.edu) or Steve Mervis, Senior Director for Research, (steve.mervis@uphs.upenn.edu).

Sunil Singhal (continued from page 2)

Sunil's research is supported by grants from the NIH, the American Cancer Society and the Veterans Health Administration. In 2009, Sunil was designated a Paul Calabresi Scholar by the NIH. In 2010, he won the Clinical Scholar Award of the Society of University Surgeons.



Sunil is also a busy clinical surgeon performing the full breadth of General Thoracic Surgery at HUP including pulmonary resections, esophagectomies, minimally invasive thymectomies, and pleural resections. He has established the largest hyperhidrosis program in the Delaware Valley.



He also spearheaded a minimally invasive surgery program for Veterans at the Philadelphia VA, making it one of the busiest centers for Veterans with lung cancer in the Northeast.

Sunil has published over 50 peer reviewed clinical and scientific manuscripts, more than a dozen review papers and co-authored a textbook. He has presented his work at more than 25 conferences nationally and internationally. His research has been recognized by several federal and national organizations. Recently he was awarded the Clinical Scholar Award from the Society of University Surgeons.

Alumni News

Faculty, Residents, Alumni of Penn Surgery
email your news to Mary Hamburg
mary.hamburg@uphs.upenn.edu

- ◆ **Scott P. Bartlett, M.D.**, Professor of Surgery and Chief of the Division of Plastic Surgery, CHOP has been named the 2011 President-elect of the International Society of Craniofacial Surgery.
- ◆ **Ronald M. Fairman, M.D.**, the Clyde F. Barker, M.D. - William Maul Measey Professor of Surgery and Chief of the Division of Vascular Surgery will be awarded the 14th Luigi Mastroianni Clinical Innovator Award on November 17. The Mastroianni Award recognizes Penn Medicine physicians who have made significant contributions toward the invention and development of new techniques, approaches, procedures or devices that change medical practice and are of major benefit to patient care.

Moving Forward

- ◆ **Charles R. Bridges, M.D.** - Cardiovascular - Promoted to Professor in the Clinical Educator track
- ◆ **Robert C. Gorman, M.D.** - Cardiovascular - Promoted to Professor with tenure
- ◆ **Mark P. Johnson, M.D.** - Pediatric Surgery/CHOP - Promoted to Professor in the Clinical Educator track
- ◆ **Thomas F. Kolon, M.D.** - Urology - Promoted to Associate Professor in the Clinical Educator track
- ◆ **Michael L. Nance, M.D.** - Pediatric Surgery/CHOP - Promoted to Professor in the Clinical Educator track
- ◆ **Edward Y. Woo, M.D.** - Vascular - Promoted to Associate Professor in the Clinical Educator track

New Faces

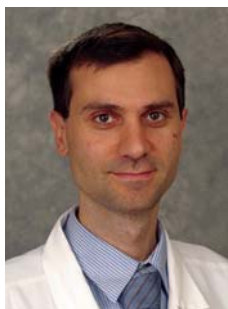
- ◆ **Venkat Kalapatapu, M.D.** joined the Division of Vascular Surgery at PPMC on September 1st as an Assistant Professor of Clinical Surgery. Dr. Kalapatapu was formally an Assistant Professor of Surgery at the University of Arkansas for Medical Sciences.



- ◆ **Suhail Kanchwala, M.D.** joined the Division of Plastic Surgery on July 1st as an Assistant Professor of Surgery. Suhail, a graduate of the Penn integrated general/plastic surgery residency program, completed a microsurgery fellowship at MD Anderson Cancer Center in Houston in June of 2010.



- ◆ **Giorgos Karakousis, M.D.** joined the faculty of the Division of Endocrine and Oncologic Surgery on July 1st. Giorgos a former resident in Penn's general surgery training program, completed a surgical oncology fellowship at Memorial Sloan Kettering Cancer Center in June 2010.



- ◆ **Sarah M. Lambert, M.D.** joined the Division of Urology at CHOP as an Assistant Professor of Urology in Surgery on July 1st. Dr. Lambert, a graduate of Columbia University urology residency training program, completed a fellowship in Urology at Children's Hospital of Philadelphia in June.



- ◆ **Ivona Percec, M.D.** joined the Division of Plastic Surgery on July 1st as an Instructor in Surgery. Dr. Percec is a graduate of the Penn integrated general/plastic surgery residency program.



- ◆ **Jesse A. Taylor, M.D.** will be joining the Plastic Surgery Division on October 1st as an Assistant Professor of Surgery. Dr. Taylor completed his general and plastic surgery training at Johns Hopkins Hospital and is formally an Assistant Professor of Clinical Surgery at the University of Cincinnati Children's Hospital. Dr. Taylor is the 2010 recipient of the American Association of Plastic Surgery PSEF Academic Scholar grant.



Upcoming Events

- ◆ Join us on **Tuesday, October 5th at 6:00 pm** for the Penn Surgery Society Reception at the 96th Annual Clinical Congress of the American College of Surgeons. This year we are goin' Cajun - the event will be held at the Bayou Room of the Acadiana Restaurant located across the street from the Renaissance Hotel. Email Mary Hamburg for more information at mary.hamburg@uphs.upenn.edu.
- ◆ **Calling all Cardiothoracic Alumni!** Mark your calendars now to join your fellow Penn CT alumni for a cocktail reception during the AATS 91st Annual Meeting. Invites and additional information coming soon!
- ◆ Penn Alumni are asked to mark their calendars for the **2011 Julius A. Mackie Distinguished Graduate Award Reception and Lecture on May 18th and 19th**. More details will be posted on the PSS website.

Penn Surgery Society members are encouraged to attend these events and the receptions following them.

- ◆ Get the latest on-line versions of the Penn Surgery Society newsletters, departmental annual reports and updates by logging on the to the Penn Surgery Society website at <http://surgery.uphs.upenn.edu/>. While there become a member, update your profile and connect with other PSS alumni. Making sure we have your most up-to-date information ensures that you get the most up-to- date information! Log on today!

For further information on all these events, please go to the Penn Surgery Society website at <http://surgery.site-ym.com>



Penn Surgery

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