

BOSTON UNIVERSITY
SCHOOL OF MEDICINE

Campus Alumni News

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2010-2011
DONOR
REPORT
inside

Helping Children Thrive

→ Deborah A. Frank, MD,
First Incumbent of Newly
Endowed Chair in Child
Health and Well-Being

Boston University School of Medicine

BOSTON
UNIVERSITY

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A new professorship in child health and well-being honors an extraordinary legacy of advocacy, care, and research.

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ON THE COVER

Dr. Deborah A. Frank

Photo by Vernon Doucette

Message From The Dean



DEAR FRIENDS,

During the past academic year, Boston University School of Medicine has invested in classroom and laboratory renovations and in recruiting talented new faculty. The School has increasingly received national attention for our outstanding research, and we continue to graduate exceptional new physicians and scientists.

Despite the unsettled economic landscape, Boston University School of Medicine's fiscal health remains sound. We have continued to carefully manage our budgets to optimally support our missions, and our many generous donors are often very involved in advancing our educational and research programs.

This issue of *Campus & Alumni News* honors our donors, highlights some of our new endowed professorships and assistant professorships, and features some of our Dean's Advisory Board leaders who have advanced the School's priorities and fundraising initiatives.

A new professorship in pediatrics was established this year; longtime faculty member Deborah Frank, MD, is the first to hold this endowed chair. We highlight her impressive work, which includes

lifesaving care to malnourished children in the Boston area. Her research underscores the need for greater resources for at-risk children. Supporting early career researchers is another of our most important investments; the Department of Dermatology has established two new assistant professorships for department faculty.

Our faculty continues to compete at a very high level for shrinking public research funding, demonstrating the high quality and vital importance of the scientific work being carried out on the Medical Campus.

With this issue of *Campus & Alumni News*, our students, faculty, and staff would like especially to recognize and thank our many generous benefactors who contributed to the School in the 2010–2011 academic year.

Best regards,

Karen Antman, MD
Provost, Medical Campus
Dean, School of Medicine

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Being a Doctor Is the Best Job on the Planet

Gray skies sprinkling raindrops did not deter the 173 first-year students as they wound their way along the paths of the Talbot Green. Ducking into a large white tent, they were met with enthusiastic applause and shouts of encouragement from more than 400 friends and family. The annual White Coat Ceremony, held on August 8 for the Class of 2015, marked the formal induction of medical students into their chosen profession.

Tours of the campus and a luncheon hosted by BUSM Dean and Provost of the Boston University Medical Campus Karen Antman preceded the ceremony, which was followed by a reception sponsored by the BUSM Alumni Association.

The program opened with greetings from Phyllis Carr, MD, BUSM associate dean for student affairs, who explained that the White Coat Ceremony connects the Class of 2015 with those who have come before them and those who have yet to join the profession.

Noting that the ceremony is a remarkable moment and that students remember and treasure it, Robert Witzburg, MD '77, BUSM associate dean and director of admissions, formally turned over the Class of 2015 to the School of Medicine. He noted, "In cultural, social, economic, racial, ethnic, educational, and linguistic terms, and in life experiences, your class defines the pluralism that is valued in society. You hail from 32 states and 19 different countries of birth. Together as a class, you speak 26 languages."

Witzburg continued, "Academically you are among the most accomplished classes BUSM has matriculated and are also among the most diverse. We received more than 11,400 applications for the 173 seats in your class, the Class of 2015."

Antman accepted the entering class on behalf of the faculty and said, "You have embarked on a great adventure with a steep learning curve. You will be strongly supported by more than 2,000



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2

1. Dean Karen Antman, MD, joins members of the Class of 2015 at the welcoming reception following the White Coat Ceremony.
2. The Class of 2015 files past the Talbot Building to assemble for the White Coat Ceremony.
3. Associate Dean and Director of Admissions Robert Witzburg, MD '77, addresses the Class of 2015 and guests at the White Coat Ceremony.
4. Anticipation marks the faces of members of the first-year class as they wait to don their white coats.

PHOTOS BY FRANK CURRAN



3



4

faculty, upper-class students, residents, and dedicated staff."

"When you see your first patients in a week or so, they will not be able to differentiate between you and their doctors. You both wear white coats. You are now part of the profession. Thus you must behave as a physician from the start of your education," Antman concluded.

Before the students donned their white coats and recited the Hippocratic Oath, guest speaker Kitt Shaffer, MD, PhD, BUSM professor of radiology and vice chair for education in the Boston Medical Center Department of Radiology, said, "Being a doctor is the best job on the planet . . . If you are not having fun; you don't have the right attitude." ■



Daniel Remick, MD, professor and chair of pathology and laboratory medicine, and Susan Winandy, PhD, the Nancy L. R. Bucher Assistant Professor of Pathology and Laboratory Medicine.

Winandy Named First Bucher Assistant Professor

The Department of Pathology & Laboratory Medicine is pleased to announce Susan Winandy, PhD, as the first Nancy L. R. Bucher Assistant Professor. Winandy earned a bachelor of science from the University of Connecticut and a PhD in Biology from the Massachusetts Institute of Technology. Following a post-doctoral fellowship at Massachusetts General Hospital/Harvard Medical School, she assumed a position as an assistant professor in the Department of Microbiology-Immunology at the Northwestern University Feinberg School of Medicine. Winandy has been active in teaching and has served on several thesis committees, as well as being an advisor to several students. She has received the Outstanding Teacher Award for lectures to medical students in the Immunology Section. Her research investigates how the molecule Ikaros regulates the immune response. She has served on study sections for the National Institutes of Health and currently is an associate editor for the *Journal of Immunology*.

PHOTO BY FRANK CURRAN

Student Residence Construction Progresses

We're making progress on the new School of Medicine student residence scheduled for occupancy in the summer of 2012. The nine-story, \$33 million structure was designed by Beacon Architectural Associates with a brick-and-limestone façade. Its 104 two-bedroom suites—which include bath, kitchenette, and living spaces—will accommodate 208 students, each with individual bedrooms, the standard for graduate student housing.

- 1. At the MED Student Residence groundbreaking October 28, 2010: (from left) Ashraf Dahod; Joe Fallon; Sherry Leventhal; Shamim Dahood CGS '76, CAS '78, MED '78; BU President Robert A. Brown; Boston Mayor Thomas Menino; BUSM Dean Karen Antman; and Catherine Spina CAS '04, MED '05, '15.
- 2. April 2011: Steel framing under way
- 3. May 2011: Topping off ceremony
- 4. May 2011: Beginning to look like a building
- 5. August 2011: Exterior sheathing takes center stage



ALUMNI SHARE THEIR MEMORIES OF LIVING IN THE SOUTH END

I was there a long time ago. We lived the first year at Franklin Square House (women under 21 were required to live in approved housing), which is now apartments or condominiums. Groups of medical students used to walk along Washington Street. A favorite restaurant was the Red Fez—I don't know if it is the same restaurant/owner that was there in the 1960s. I have been back for a few reunions, and I walked along Washington Street with my husband last time because we stayed in a downtown hotel. The neighborhood seems more alive (artists, street fairs) and safer for walking than it did when I was a student. It also seems smaller, but the whole city seems smaller viewed in perspective of years of moves and travels. [Editor's note: The Red Fez is still here!]

—SHIRLEY KLEIN '68

I had to live in a five-dollar-a-week room in a brownstone on Worcester Court when I was at BUSM. A prostitute lived on the first floor, two old drunks on the second floor, and I lived in the bowling alley-like room on the third floor. Now that was an experience the new students will not get!

—WALTER McLEAN '60

My South End in the 1950s looked like none of your pictures. I lived for a time on the fourth floor of a dilapidated apartment building with another medical student and a scrawny, somewhat mean cat. It was across the street from the Boston City Hospital entrance in a run-down and unsafe section of the city. I saw very little of the neighborhood since I quickly zipped from my apartment entrance right into the hospital, where I spent most of my time. Now, however, I have been back and seen the tremendous improvement in the area that looked so bad when I was there. I hope the present medical students are aware of how lucky they are to have the current scenario around their medical school. Actually, medical school was so interesting and so busy for me that the city surroundings didn't figure very importantly to me in actuality; at least it didn't seem so to me when I was there.

—DAVID JACKSON '58

FOURTH-YEAR STUDENT WINS INFORMATION TECHNOLOGY AWARD

As if starting his own business, working as a clinical research fellow at the Doris Duke Charitable Foundation, volunteering as a Russian-language interpreter, interning at the World Health Organization in Geneva, and serving on the Massachusetts Medical Society's maternal and perinatal welfare committee weren't impressive enough, fourth-year BUSM student Andrey Ostrovsky has added yet another achievement to his list of post-undergraduate accomplishments: Ostrovsky won the 2011 Massachusetts Medical Society's Information Technology Award for his role in developing a website that brings strength and collaboration to San Francisco's local public health community. The award recognizes the development of an information technology tool that helps physicians practice medicine, teach medicine, or pursue clinical research.



Andrey Ostrovsky

After receiving a Doris Duke Charitable Foundation fellowship last fall, Ostrovsky spent a year working as a health policy researcher at the University of California, San Francisco, where he helped build the first web-based evaluation system for the California Department of Public Health. Launched this fall, the San Francisco Community Vital Signs website will serve to streamline health system assessment and collaboration by fusing public health with social media. The site, designed by Ostrovsky, will detail the status of all programs and institutions involved in health care and disease prevention in the San Francisco area and serve as a tool for public and private health care affiliates to collaborate, consult, and pool resources with greater ease. The once time-consuming process of collecting data and information from any number of public health care sites will be made easier through features such as an events calendar, links to educational resources and statistics, and a real-time discussion forum. Upon his return to medical school, Ostrovsky once again cranked into overdrive, writing a series of five speeches on health disparities for U.S. Senator Benjamin L. Cardin, which the senator then delivered to Congress. To top it off, Ostrovsky is currently working with several web-based companies as a consultant for customer development. With just one year left of medical school, this young high achiever is choosing to complete his residency in medicine and pediatrics and anticipates a future in primary care medicine as well as continued work in health policy and social entrepreneurship.

FACULTY News

HONORS



Daniel P. Alford, MD '92, MPH '86, associate professor of medicine and an addiction expert, has been chosen to participate in President Obama's

Champions of Change program, which hosts weekly White House visits for innovators in various fields. Alford will participate in a roundtable with federal drug policy experts, write a blog entry about his work, and film a short biographical piece for the White House website. Alford is medical director of the MAssachusetts Screening, Brief Intervention, Referral and Treatment (MASBIRT) program, a federally funded program at Boston Medical Center and seven other hospitals and community health centers in the state that screens for risky alcohol, tobacco, and drug use. Through MASBIRT, BMC and participating organizations now have trained health promotion advocates who work throughout the institutions—from primary care offices to emergency rooms—screening people for risky substance use and assessing what the next step should be to help those with problems.



Richard K. Babayan, MD, professor and chair of the Department of Urology and chief of the Department of Urology at Boston Medical Center, was honored by the

American Urological Association (AUA) for his contributions to the field of medicine, the specialty of urology, and the AUA. Babayan received the Distinguished Service Award for outstanding service to the AUA Foundation, AUA Leadership Program, and the AUA Board of Directors. He performed the first robot-assisted radical prostatectomy in Boston and is currently one of three urologic surgeons at Boston Medical Center using the da Vinci robot for minimally invasive urologic procedures.



Barbara E. Corkey, PhD, vice chair of research in the Department of Medicine and director of the Obesity Research Center at Boston Medical Center, received the

American Diabetes Association's 2011 Banting Medal for Scientific Achievement. The association's highest scientific award, the Banting Medal honors an individual who has made significant, long-term contributions to the understanding of diabetes and its treatment and/or prevention. The award is named for Nobel Prize winner Frederick Banting, who co-discovered insulin treatment for diabetes. Corkey has been a leader in the fields of metabolism, diabetes, and obesity for more than 35 years. Her seminal work on the molecular basis of nutrient signal transduction has significantly influenced our current understanding of health and disease.



Kermit A. Crawford, PhD, clinical associate professor of psychiatry and director of the Center for Multicultural Mental Health at BUSM, received the 2011 Award

for Excellence in Diversity Training from the Association of Psychology Postdoctoral and Internship Centers. The award recognizes Crawford's excellence and innovation in education and training. Crawford is a designated forensic psychologist and researcher who has done extensive work in multicultural-behavioral health disaster response, trauma and grief, substance abuse, and comorbid disorders.



Barbara A. Gilchrest, MD, has been appointed editor of the *Journal of Investigative Dermatology (JID)*, effective June 1, 2012. Gilchrest has a

lengthy history with the *JID*, beginning with her service as a reviewer during her years as a dermatology resident. She has contributed many manuscripts, editorials, and commentaries to the *JID*, and has served as associate editor (1992-1997) and section editor (1997-2007). Gilchrest is the author of over 400 scholarly articles, reviews, abstracts, and textbook chapters, and the author or editor of eight books.



Michael F. Holick, PhD, MD, director of the BUSM General Clinical Research Center and professor of medicine, physiology, and biophysics, is the 2011 recipient of the

Delbert A. Fisher Research Scholar Award from the Endocrine Society for his scholarly work on the history of endocrinology. As the recipient of this award, Holick delivered the Clark T. Sawin Memorial History of Endocrinology Lecture at the ENDO 2011 meeting in Boston. Holick is an internationally recognized expert in vitamin D and skin research.



Katherine Iverson, PhD, assistant professor of psychiatry at BUSM and clinical research psychologist at the Women's Health Sciences Division of the National Center

for Posttraumatic Stress Disorder at the VA Boston Healthcare System, was named the 2011 Lynne Stevens Research Award winner by the BUSM Department of Family Medicine. Iverson's research focuses on improving detection of intimate partner violence (IPV) among women and coordination

of health care services, particularly mental health treatments to address the emotional wounds of IPV and reduce re-victimization.



Terence M. Keane, PhD, professor and vice chair of the Division of Psychiatry and assistant dean for research at BUSM and director of the Behavioral Science Division of the

National Center for Posttraumatic Stress Disorder, received an honorary doctor of science from his alma mater, SUNY Binghamton. He was also the invited graduation speaker for the university's commencement ceremonies in May. Keane is a recognized authority on posttraumatic stress disorder (PTSD), with more than 30 years of research supported by the National Institutes of Health and the Department of Defense. He has helped establish national standards for the diagnosis and assessment of PTSD.



Sharon Levine, MD, professor of medicine and associate dean of academic affairs, has been named chair of the American Board of Internal Medicine's (ABIM) sub-

specialty board on geriatric medicine. As such, she becomes the subspecialty board's representative to ABIM's Board of Directors. ABIM certifies physicians practicing in internal medicine and its subspecialties who possess the knowledge, skills, and attitudes required to provide high-quality care.



Jeffrey H. Samet, MD, professor of medicine and community health sciences and chief of the Section of General Internal Medicine at Boston Medical Center, received an International

Program 2011 Award of Excellence from the National Institute on Drug Abuse (NIDA).

Samet was recognized for his commitment to and investment in mentoring scientists in their pursuits in patient-focused drug abuse research and treatment. He has influenced the careers of innumerable young researchers both in the United States and abroad. He helped create the NIDA-supported Chief Resident Immersion Training program, a four-day immersion training for incoming chief residents and their faculty mentors on state-of-the-art methods to diagnose, manage, and teach about substance use disorders. He leads the NIDA-funded study to advance the Clinical Addiction Research and Education program, which has successfully fostered physician development in addiction research and education during the past 10 years. These programs provide adaptable models for the international drug abuse community.



Avrum Spira, MD, an associate professor of medicine, pathology, and laboratory medicine and chief of the Division of Computational Biomedicine, has won the University's 2011 Innovator

of the Year award, which recognizes a BU faculty member whose cutting-edge research and ideas lead to the formation of companies that benefit society at large. Spira's research on lung cancer, chronic obstructive pulmonary disease (COPD), and the effects of smoking on airway epithelial cell-gene expression sparked development of a technology that allows for a non-invasive method for the early detection of lung cancer. With this technology, Spira and BU colleague Jerome Brody founded Allegro Diagnostics of Maynard, Massachusetts. Spira's accomplishments in the past year include 14 peer-reviewed papers published, one invention disclosure, two patent filings, more than \$3.5 million in NIH funding, and \$8.9 million invested in Allegro Diagnostics. He also directs the Translational Bioinformatics core within BU's Clinical and Translational Science Institute.



Kenneth Walsh, PhD, FAHA, the Aram V. Chobanian Professor of Cardiovascular Medicine and director of the Whitaker Cardiovascular Institute at BUSM, was

named a 2011 American Heart Association (AHA) Distinguished Scientist, one of only five scientists so honored this year. The AHA Distinguished Scientist designation recognizes association members who have made major and independent contributions that have advanced the understanding of cardiovascular and stroke research. Walsh is a leading figure in the fields of cardiovascular and metabolic research. He has identified secreted factors originating from the heart, fat tissue, and skeletal muscle, established their functional significance in controlling inter-tissue communication within the cardiovascular system, and elucidated how these regulatory mechanisms are perturbed by obesity-linked metabolic dysfunction. These seminal studies have contributed to the emerging concept of adipokines and myokines as important contributing factors in cardiometabolic disease.



Joanne Wilkinson, MD, MSc, associate director of Medical Student Education at BUSM, received the American Association on Intellectual and Developmental Disabilities's 2011

Early Career Award for her continued efforts to improve medicine for adults with intellectual and developmental disabilities (I/DD). Her current projects include the development of an instrument to measure knowledge about cancer in people with I/DD, a feasibility study to educate women with I/DD about mammography, the continuation of an annual conference focused on primary care issues affecting people with I/DD, and a qualitative study focused on quality of life for stroke survivors with aphasia.

continued

APPOINTMENTS



Daniel P. Alford, MD '92, MPH '86, has been appointed assistant dean for continuing medical education. Alford is an associate professor of medicine and medical director of the

Massachusetts Screening, Brief Intervention, Referral and Treatment (MASBIRT) program and the Office Based Opioid Treatment with Buprenorphine program at Boston Medical Center. He also directs the new Addiction Medicine Residency program and serves as a team medical director in the Adult Primary Care Practice, both at Boston Medical Center. He directs the Chief Resident Immersion Training program in addiction medicine: Improving Clinical and Teaching Skills for Generalists, which is funded by the National Institute on Drug Abuse. He is president-elect of the Association for Medical Education and Research in Substance Abuse and chairs the Society of General Internal Medicine pain medicine interest group. An alumnus of BUSM and BUSPH, Alford received his BA from Connecticut College and was chief resident at Boston City Hospital. He joined the BUSM faculty in 1996.



Daniel Chen, MD, MSc, has been appointed assistant dean for student affairs. Chen is assistant professor of general internal medicine and associate internal medicine clerkship director.

He graduated summa cum laude with a BA in Biochemistry from the University of Pennsylvania and received his MD from New

York University School of Medicine. He completed a residency in internal medicine at the Hospital of the University of Pennsylvania and a fellowship in general internal medicine at Boston University. Chen was the recipient of the 2010 Clinical Teaching Award at BUSM and worked to initiate the "Clinical Narrative/Reflection Essay Assignment" in the medicine clerkship. He also published a study on empathy over the course of the four years of medical school.



Jack Murphy, PhD, who has served as associate director of the National Emerging Infectious Diseases Laboratories (NEIDL) since its founding, has agreed to serve as the director ad interim.

In addition to his work at the NEIDL, he is a professor in the Section of Infectious Diseases and professor of microbiology at BUSM. Murphy has more than 30 years of laboratory experience working on the molecular basis of pathogenesis, including field research in India and Bangladesh, as well as extensive experience working under Biosafety Levels 3 and 4 containment.



Steven M. Sepe, MD '80, PhD '82, has been appointed chair of the Department of Medicine of the BU-affiliated Roger Williams Medical Center. His duties will include overseeing

clinical affairs, quality, and program development. As a clinical affiliate, Roger Williams Medical Center offers students

diverse in- and outpatient clinical rotations and electives.

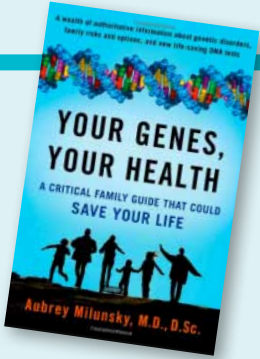
A cum laude graduate of BUSM, Sepe earned a PhD in Immunopathology. He completed his internship and residency at University Hospital and served as a fellow of the National Cancer Institute Division of Infectious Disease at University Hospital (now Boston Medical Center).

Sepe has held a number of leadership positions in a variety of health care settings. Most recently he was global medical lead, medical affairs at Onyx Pharmaceuticals. He has also held positions at Gilead Sciences and Vertex Pharmaceuticals, among others. He has more than 20 years of experience in clinical care, research, and teaching, including serving as medical director of the Cooperative Care Center at Rhode Island Hospital and Women & Infants Hospital.



John Wiecha, MD, MPH, associate professor of family medicine and assistant dean for academic affairs, has been appointed director of the Office of Medical Education at BUSM. The office

evaluates all courses and clerkships for the MD, organizes faculty development activities, and directs four interdepartmental medical school courses. A BUSM faculty member since 1998, Wiecha received his MD from SUNY Stony Brook and completed residencies in family medicine and preventive medicine at UMass Memorial Medical Center, where he conducted research and directed the Family Medicine Clerkship. Most recently, Wiecha was director of medical student education in the Department of Family Medicine.



FACULTY IN PRINT

Aubrey Milunsky, MD, DSc
Your Genes, Your Health: A Critical Family Guide That Could Save Your Life
Oxford University Press, 2011

This authoritative guide explains what every person should know about his or her genes. Illustrated with family histories that underscore the importance of knowing one's family medical history and ethnic origin, the book highlights the importance of recognizing seemingly unrelated disorders in a family as due to the same gene mutation and outlines the key genetic tests needed for diagnosis, detection of carriers, and prenatal diagnosis. Milunsky is a professor of human genetics, pediatrics, obstetrics and gynecology, and pathology, and is director of the BUSM Center for Human Genetics.

IN MEMORIAM



John M. Stewart, a member of the BUSM Dean's Advisory Board, on May 19, 2011, at the age of 79. A graduate of Yale University, Stewart earned his MBA from Harvard Graduate School of

Business Administration. He was a retired director of McKinsey & Company, Inc., where he specialized in managing research and development in the aerospace, electronics, pharmaceuticals, telecommunications, and auto industries.

Prior to joining McKinsey & Co., Stewart worked as a missile system manager for TRW, and served as a lieutenant in the U.S. Naval Reserve. His government service included being a member of the Defense Science Board; chair of a study of U.S. shipbuilding and naval architecture for the Marine Board of the National Research Council; and executive director of the National Commission on Productivity.

He served as a trustee of New York University Langone Medical Center and Woods Hole Oceanographic Institute in Woods Hole, Massachusetts, and was a member of the Yale University Council and the national Council for Economic Education. He was a consultant to the Gates Foundation initiative to reduce HIV/AIDS in India and a supporter of the BUSM Amyloid Treatment & Research Program.

He is survived by his wife, Eliot (Brady) Highest Stewart, two daughters, and two stepchildren.



Ephraim Friedman, MD, former BUSM dean, on June 18, 2011, at the age of 81. An ophthalmologist, Friedman was recruited to BUSM to serve as professor and chair of the Department of

Ophthalmology, a position he held for six years before becoming dean of the School of Medicine in 1971. During his three-year tenure as dean, Friedman oversaw the development of a variety of new pathways to a medical degree at BUSM and the historic decision by the city of Boston to grant BU sole responsibility for professional staffing at Boston City Hospital, a job BU had previously shared with Harvard and Tufts medical schools.

Friedman earned his undergraduate degree in zoology from UCLA and his medical degree from UC-San Francisco. He completed his internship at San Francisco City and County Hospital, a residency in ophthalmology at Massachusetts Eye and Ear Infirmary, and a fellowship in ophthalmology at Hebrew University School of Medicine. He served as a captain in the U.S. Air Force.

After leaving BUSM, he served as dean of Albert Einstein College of Medicine in New York City and president of the Massachusetts Eye and Ear Infirmary in Boston. He was also an accomplished sculptor.

He is survived by his wife, Dagmar Beniof, two sons, two daughters, and nine grandchildren.



William B. Kannel, MD, BUSM professor emeritus of medicine and public health, on August 20, 2011, at the age of 88, after deciding to refuse medical interventions for cancer and choosing to die with dignity

with the help of a hospice, family, and friends.

A 1949 graduate of the Medical College of Georgia in Augusta, Kannel trained in internal medicine in the U.S. Public Health Service on Staten Island, New York. He was active in the field of cardiovascular epidemiology for more than 60 years and led the way for the world-famous Framingham Heart Study to become the leader in cardiovascular epidemiologic research that it is today.

Kannel joined the Framingham Heart Study in 1950, and in 1966 became the National Institutes of Health director of the study, serving in this capacity until 1979. Between 1979 and 1987, as BUSM professor of medicine, he served as the principal investigator of the Framingham Heart Study. Subsequently, he continued work as the senior-most investigator at the Framingham Heart Study until his recent illness curtailed those efforts. He was also a past chief of the Section of Preventive Medicine and Epidemiology in the Department of Medicine at BUSM.

He was a fellow of the American Heart Association (AHA) and a past chair of the Council of Epidemiology of the AHA. He was also a fellow of the American College of Cardiology, the American Epidemiology Society, the American College of Epidemiology, and the American College of Preventive Medicine. He was a recipient of numerous national and international

awards and honorary degrees, notably the AHA Distinguished Scientist Award (2006), the Lifetime Achievement Award from the New York Academy of Medicine (2006), and the Joseph Stokes Award from the Board of the American Society for Preventive Cardiology (2011). He served on the editorial board of numerous scientific journals, including *Hypertension*, the *American Journal of Cardiology*, and *American Heart Journal*.

Kannel published more than 600 medical articles and numerous editorials and book chapters. His work at the Framingham Heart Study established the utility of population-based research for seeking out correctable predisposing conditions for cardiovascular disease (CVD), putting prevention at the forefront of cardiology. He coined the medical term "risk factor" in 1961 in a landmark publication in the *Annals of Internal Medicine* and promoted the concept that CVD is multifactorial. He pioneered the idea of combining information about multiple risk factors mathematically to estimate risk of CVD (the Framingham Risk Score). His research established the importance of distinguishing between usual (average in the population) and optimal risk factor levels. He described the risk factors for both heart attacks and stroke, identified the importance of atrial fibrillation as a precursor of stroke, and identified diabetes as a risk factor for CVD. His research stimulated national campaigns against smoking, high cholesterol, high blood pressure, and obesity.

Kannel's research highlighted the lethal nature of congestive heart failure and a thick left ventricular wall, the frequent occurrence of clinically silent myocardial infarction, and the factors predisposing to sudden death, which until then had been underappreciated. His research warned in 1985 of the lack of efficacy and danger of estrogen replacement for preventing CVD. In 2008, along with his colleagues, he formulated the Framingham Risk Score, a profile that enables primary care physicians to pull together risk factor information to assess the global risk of heart attack, heart failure, stroke, and peripheral artery disease.

He is survived by his wife, four children, 12 grandchildren, and 23 great-grandchildren.

The William B. Kannel Legacy Fund has been established to honor his leadership at the Framingham Heart Study and contributions to cardiovascular medicine. For more information or to make a gift, please contact the BUSM Development Office at 617-638-4570.

BUSM Research

Combat Stress: Women Are as Resilient as Men



PHOTO BY U.S. MARINE CORPS CPL. MARIONNE T. MANGRUM

“Women’s risk for combat is compounded by the enemy’s increased use of guerrilla warfare tactics in recent wars. As of 2009, more than 750 women had been wounded or killed in action during Operation Iraqi Freedom and Operation Enduring Freedom.”

War is hell, but female soldiers may be no more vulnerable than men to its stresses. That’s the surprising conclusion of a study, led by the School of Medicine, of veterans returning from the Afghanistan and Iraq wars.

The researchers say their findings differ from broader studies suggesting females have a heightened vulnerability to trauma. They surveyed 340 women and 252 men who had returned from deployment within the previous year, quizzing them about any symptoms of depression, substance abuse, posttraumatic stress disorder, and other mental health impairment.

“While women are still officially barred from direct ground combat positions in the U.S. military, they serve in a variety of positions that put them at risk for combat exposure,” the researchers write in their paper, which appears online in the *Journal of Abnormal Psychology*. “Women’s risk for combat is compounded by the enemy’s increased use of guerrilla warfare tactics in recent wars. As of 2009, more than 750 women had been wounded or killed in action during Operation Iraqi Freedom and Operation Enduring Freedom, which includes the Afghanistan war and some other antiterrorism efforts.”

Previous research has looked at the effects of “all types of potentially traumatic events” on women, such as sexual assault and car accidents, says study lead author Dawne Vogt, BUSM associate professor of psychiatry and a researcher at the National Center for Posttraumatic Stress Disorder in the VA Boston Healthcare System. In such noncombat traumas, Vogt says, “there’s kind of this consistent finding that women are worse off” than men. Yet her study found no such disparity in trauma from combat.

Vogt and her colleagues cite speculation by others that the threat from combat is so persistent and overwhelming that it affects both genders equally. Female soldiers also have received improved training in recent years, according to the study.

“Regardless of the cause,” the study concludes, “these findings have substantial implications for military policy, as they call into question the commonly held belief that women may be more vulnerable to the negative effects of combat exposure than men.”

A congressionally created commission has recommended ending the ban on women in combat.

The study asked subjects about other stressors besides combat exposure: post-battle experiences such as handling human remains, fear for one’s safety and other pressures from living in a war zone, sexual harassment or assault during deployment, and pre-deployment exposure to stress. While the women reported slightly less exposure to most combat-related stressors, they recounted greater exposure to sexual harassment and pre-deployment stress.

Conceding several uncertainties in their work, the researchers suggest follow-up studies. Post-deployment symptoms may increase over time, they write, and future surveys should include veterans who are more than a year out from returning from deployment. Vogt says she will follow up on the study with data she expects to collect on the mental health of veterans two to three years after their deployment ends.

The researchers write that they’re unaware of any similar study measuring combat stress effects between men and women. Among the study coauthors are School of Public Health researchers Mark Glickman, Susan Eisen, Rani Elway, and Mari-Lynn Drainoni. ■
This article first appeared in BU Today.

U.S. Marine Corps Sgt. Jessica Domingo, right, and Cpl. Daisy Romero, assigned to a female engagement team (FET), speak with an Afghan man in his compound during a patrol in Marjah, Helmand province, Afghanistan on December 30, 2010. The FET worked with infantry Marines by engaging women and children in support of the International Security Assistance Force.

Balicatib was developed as an osteoporosis drug to inhibit cathepsin K (CTSK), an enzyme involved with bone degradation.

■ **Underlying Mechanisms of Skin Hardening Syndromes Discovered**

BUSM researchers have discovered new details about the underlying mechanisms of skin hardening syndromes. The research team connected pharmacological properties of the Novartis Pharma AG drug called balicatib to the skin disorder for the first time after investigating adverse reactions suffered by patients participating in a clinical trial for the treatment of osteoporosis. These findings appear online in the *Journal of the American Academy of Dermatology*.

Balicatib was developed as an osteoporosis drug to inhibit cathepsin K (CTSK), an enzyme involved with bone degradation. In a recent trial, several patients on balicatib experienced hardening of the skin, most frequently around the neck, chest, and abdomen. After examining the cases, the investigators determined that the changes were a direct effect of the drug. This marks the first time that skin hardening can be convincingly linked to the pharmacologic properties of a drug. Thomas Ruenger, MD, PhD, BUSM professor and vice chair of dermatology, is the study leader. [Disclaimer: Ruenger served on the independent data safety monitoring board that monitored the clinical trial in which the described observations were made.]

■ **Increasing the Number of Family Physicians Reduces Hospital Readmissions**

BUSM and BMC researchers have found that adding one family physician per 1,000 population, or 100 per 100,000, could reduce hospital readmission costs by \$579 million per year, or 83 percent of the Patient

Protection and Affordable Care Act (PPACA) target. These findings appear on the website of the Robert Graham Center, a primary care think tank.

One provision of PPACA targets a decrease in hospital readmissions to save \$710 million annually. It is believed that timely management of fragile patients in primary care after discharge may reduce readmission.

The researchers used data from the Hospital Compare database—which included readmission rates for pneumonia, heart attack, and heart failure—for

4,459 hospitals as well as the area source file that contains data for physicians per population at the county level. “Using these data, we found that 30-day readmission rates for all three diagnoses decrease as the number of family physicians increases,” says senior author Brian Jack, MD, BUSM associate professor of family medicine and vice chair for academic affairs in the Department of Family Medicine at Boston Medical Center. “Conversely, increased numbers of physicians in all other major specialties, including general internal medicine, is associated with increased risk of readmission,” he adds.

■ **New Potential Approaches to Treat Myelofibrosis**

A new BUSM study sheds light on a possible new approach to treat the bone marrow disease known as myelofibrosis by inhibiting an enzyme that connects extracellular fibers. The study, published online in the *Journal of Biological Chemistry*, was directed by Katya Ravid, PhD, BUSM professor of medicine and biochemistry and director of the Evans Center for Interdisciplinary Biomedical Research at BUSM.

Myelofibrosis, which currently affects between 16,000 and 18,500 Americans, occurs when bone marrow is replaced by scar tissue, resulting in a disruption in blood cell production.

Blood cells originate from precursor stem cells, which typically reside in the bone marrow. Red and white blood cells are categorized as cells with a myeloid lineage, which also includes megakaryocytic cells that give rise to blood-clotting platelets. An excess proliferation of myeloid cells causes a surplus production of fibers outside of the cell, which forms a dense matrix within the bone marrow that disrupts the formation of these blood cells.

Previous research has shown that the enzyme lysyl oxidase links and stabilizes the extracellular fibers, but as of yet, a treatment aimed at inhibiting the formation of these fibers has not been successful. Ravid’s team demonstrated that inhibiting that enzyme using pharmacologic agents resulted in a significant decrease in the burden of myelofibrosis.



“This study uncovers a potential new approach aimed at controlling and treating myelofibrosis,” says senior author Ravid. “This discovery will allow additional research in the field of leukemia to follow a new avenue with the potential of finding new treatments against the disease.”

Funding for this study was provided by the National Institutes of Health’s National Heart, Lung, and Blood Institute.

■ **Herbal Medicine Treatment Found to Reduce Inflammation in Allergen-Induced Asthma**

A BUSM study using So-Cheong-Ryong-Tang (SCRT), a traditional Korean medicine that has long been used for the treatment of allergic diseases in Asia, found that SCRT treatment alleviates asthma-like pulmonary inflammation via suppression of specific chemokines or proteins. These findings appear online in the *Annals of Allergy, Asthma & Immunology*.

Asthma represents one of the most common chronic inflammatory diseases, affecting an estimated 300 million people worldwide with an expected increase to 400 million by 2025. “In order to elucidate the mechanism of how SCRT modulates the allergic response, we evaluated the immunomodulatory effects of SCRT in a murine model of asthma induced by a house dust extract containing cockroach allergens and endotoxin,” explains Jiyoun Kim, PhD, BUSM research assistant professor of pathology and laboratory medicine.

The researchers found SCRT treatment significantly reduced airway hyper-reactivity as measured by both whole body plethysmography and direct measurement of airway resistance. The researchers report that the immune response of pulmonary inflammation was significantly inhibited by SCRT treatment as demonstrated by reduced plasma IgE antibody levels and improved lung histology. SCRT significantly reduced the number of neutrophils in the bronchoalveolar (BAL)



Asthma represents one of the most common chronic inflammatory diseases, affecting an estimated 300 million people worldwide with an expected increase to 400 million by 2025.

The researchers found that lean individuals exhibited no adipose inflammation and normal vascular function whereas the obese individuals exhibited significant inflammation and poor vascular function.

fluid and also significantly reduced the BAL levels of CXC chemokines, both expressed as part of the immune response, providing a potential mechanism for the reduced inflammation.

This study was supported by grants from the National Institutes of Health and the Oriental Medicine R&D Project of the Ministry of Health & Welfare of the Republic of Korea.

■ **Answers for Treating Obesity-Related Diseases May Reside in Fat Tissue**

BUSM and BMC researchers have shown that the quality—not just the quantity—of adipose tissue, or fat, is a significant contributing factor in the development of inflammation and vascular disease in obese individuals. The study, which is a special feature on the iPad version of the *Journal of the American College of Cardiology*, provides evidence that the answer to treating cardiovascular disease and other obesity-related disorders, such as type 2 diabetes and cancer, might be found in the adipose tissue itself.

Led by Noyan Gokce, MD, BUSM associate professor of medicine and BMC cardiologist, the researchers examined adipose tissue samples from both lean and obese individuals. After obtaining the samples, the researchers biopsied the tissue and evaluated the amount of inflammation present in the tissue. They then performed a vascular ultrasound on the forearm artery to examine blood vessel function. The researchers found that lean individuals exhibited no adipose inflammation and normal vascular function whereas the obese individuals exhibited significant inflammation and poor vascular function.

While these study findings are consistent with other epidemiological obesity studies, this research team identified that 30 percent of the obese subjects demonstrated reduced fat inflammation and less insulin resistance, and their vascular function was similar to a lean person’s, despite severe obesity. The study suggests that humans prone to inflammation in



continued

association with weight gain may be more susceptible to cardiovascular and metabolic disease risks.

“While it is widely believed that obesity and inflammation are linked to cardiovascular disease, this study shows not all obese individuals exhibit inflammation that can lead to cardiovascular disease, type 2 diabetes, and cancer,” says Gokce, the study’s senior author. “Once we identify what harmful product adipose tissue is producing that is linked to causing systemic inflammation, we can explore treatments against it that could potentially combat the development of several debilitating obesity-related disorders.”

This study was funded by the National Institutes of Health.

■ **New Genetic Risk Factors of Systemic Lupus Erythematosus Found in Study of African American Women**

Researchers from Boston University’s Slone Epidemiology Center have found four new genetic variants in the major histocompatibility complex (MHC) that confer a higher risk of systemic lupus erythematosus (“lupus”) in African American women. The study, which appears online in *Human Genetics*, is believed to be the first to comprehensively assess the association between genetic variants in the MHC region and risk of lupus in African American women.

The findings were based on the ongoing Black Women’s Health Study, a prospective study of the health of 59,000 African American women conducted by the researchers since 1995.

African American women have a higher risk of lupus compared with white U.S. women. It has been known that the MHC region in chromosome 6 carries genetic factors associated with several autoimmune diseases, and recent studies have reported several genetic variants



Researchers from Boston University’s Slone Epidemiology Center have found four new genetic variants in the major histocompatibility complex (MHC) that confer a higher risk of systemic lupus erythematosus (“lupus”) in African American women.

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in the MHC region associated with risk of lupus. However, these previous studies were carried out in populations with European and Asian ancestry.

The researchers genotyped more than 1,500 genetic variants of single nucleotide polymorphisms (SNPs) in 400 lupus cases and 800 controls. They found four independent SNPs associated with higher risk of lupus. Through the construction of a genetic score consisting of those four SNPs, the researchers found that risk of lupus increased by almost 70 percent for each extra high-risk allele. One of the SNPs reported in the present study was also found in a study in Chinese women, and the researchers were also able to replicate some previous findings from a study in women of European ancestry.

“Taken together, our results and previous genome-wide association studies in European and east Asian ancestry populations show that women of different ancestral origins may share some genetic components for the risk of lupus,” says lead author Edward A. Ruiz-Narvaez, ScD, BUSM assistant professor of epidemiology.

The researchers point out that the identified genetic variants are not necessarily the ones directly involved in the pathogenesis of lupus, and further research is needed to identify the true causal genetic variants. Identification of the true causal genetic variants should lead to a better understanding of the biology of lupus.

This study was supported by grants from the National Institute of Allergy and Infectious Diseases, the National Cancer Institute, and the National Center for Research Resources.

■ **Gout Prevalence Swells in U.S. Over Last Two Decades**

A new study shows the prevalence of gout in the United States has risen over the last 20 years, and the condition now affects 8.3 million Americans (4 percent). Prevalence of increased uric acid levels (hyperuricemia) also rose, affecting 43.3 million adults in the United States (21 percent). Greater frequency of obesity and hypertension may be associated with the



jump in prevalence rates, according to a study by senior investigator Hyon Choi, PhD, professor of medicine in the Section of Rheumatology and the Clinical Epidemiology Research & Training Unit at BUSM. The findings were published in *Arthritis & Rheumatism*, a journal of the American College of Rheumatology.

Evidence suggests that gout is strongly associated with metabolic syndrome—a group of health conditions characterized by central obesity, insulin resistance, high blood pressure, and blood lipid issues—and may lead to heart attack, diabetes, and premature death. Prior research found that gout incidence in the United States more than doubled from the 1960s to 1990s.

Researchers analyzed data from the latest U.S. National Health and Nutrition Examination Survey (NHANES), which was conducted in 2007 and 2008, comparing the data with those from previous NHANESs (1988-1994). “We found that the prevalences of gout and hyperuricemia continue to be substantial in the U.S. adult population,” says Choi. “Improvements in managing modifiable risk factors, such as obesity and hypertension, could help prevent further escalation of gout and hyperuricemia among Americans.”

■ **Risk Factor Pathways for PTSS in Female and Male Veterans Identified**

Researchers have found that risk factors for post-traumatic stress symptomatology (PTSS) among Operation Enduring Freedom (OEF)/Operation Iraqi Freedom (OIF) male veterans were relatively similar to what was observed in a prior group of Vietnam veterans. The findings, which appear online in the *Journal of Abnormal Psychology*, suggest there are key pathways through which risk factors contribute to PTSS across different male veteran cohorts. In addition,



the researchers also identified a number of novel mechanisms of risk for OEF/OIF female veterans.

A growing body of research indicates that certain individuals are at higher risk for mental health problems following exposure to traumatic events. Prior research on risk factors for PTSS in war-exposed veterans has revealed both direct and indirect mechanisms of risk that span pre-deployment, deployment, and post-deployment timeframes.

Consistent with the conservation of resources theory, the findings indicated that PTSS was accounted for by multiple chains of risk, many originating in pre-deployment experiences that placed both female and male veterans at risk for additional stress exposure. In addition, the researchers observed that family relationships during deployment appeared to play a more prominent role in explaining female veterans’—compared to male veterans’—post-deployment readjustment.

“These findings provide support for the generalizing of mechanisms of risk for PTSS across veteran groups, and suggest that there may be some key pathways through which risk factors contribute to PTSS that generalize across different veteran populations,” explains lead author Dawne Vogt, PhD, BUSM associate professor of psychiatry and a researcher at the National Center for Posttraumatic Stress Disorder in the VA Boston Healthcare System.

While PTSS risk factors for male OEF/OIF veterans were fairly similar to what was observed among Vietnam veterans, mechanisms of risk for female OEF/OIF veterans were more similar to those of their male counterparts than to those of female Vietnam veterans, underscoring women’s expanding roles in the military and their increased exposure to combat-related stressors.

This research was supported, in part, by a Department of Veterans Affairs Health Sciences Research and Development Service grant and the National Center for Posttraumatic Stress Disorder.

See related story on page 10. ■

A growing body of research indicates that certain individuals are at higher risk for mental health problems following exposure to traumatic events.

MAJOR
RESEARCH
GRANTS

 \$13.3M

Deborah Anderson, PhD, BUSM professor of obstetrics and gynecology and microbiology, is co-leading a new study funded by a five-year, \$13.3 million grant from the National Institute of Allergy and Infectious Diseases (NIAID). Anderson will investigate the vaginal use of human monoclonal antibodies manufactured transiently in tobacco plants (called “plantibodies”) to prevent sexually transmitted infections caused by herpes simplex virus (HSV) and the human immunodeficiency virus (HIV).

The production of human monoclonal antibodies and other proteins in plants is intended to provide a low-cost and large-capacity manufacturing system that could ensure an affordable supply of antibodies, vaccines, and other biopharmaceuticals for at-risk populations throughout the world, including developing countries.

The research team will develop ring, film, and barrier formulations to deliver the antibodies and conduct preclinical testing *in vitro* and *in vivo* using animal models to evaluate safety and antimicrobial (HSV, HIV) efficacy. The plantibodies will be tested for safety and duration of activity in a human pre-phase I clinical trial as a first step toward their use as vaginal microbicides to prevent HSV and HIV infections in women.

“We hope that this research will lead to novel ways of preventing sexually transmitted diseases, which are epidemic in the U.S. and worldwide and have far-reaching health, social, and economic consequences,” says Anderson. “In addition, we will be breaking ground for the potential use of plantibodies to prevent other diseases caused by pathogens that cross mucosal membranes, such as rhinoviruses (common cold) and influenza (flu), as well as dangerous emerging pathogens like the Ebola virus (hemorrhagic fever).”

The grant was awarded through the NIAID-funded Integrated Preclinical/Clinical

Program for HIV Topical Microbicides. Kevin Whaley, PhD, at Mapp Biopharmaceutical in San Diego, and Thomas Moench, MD, at ReProtect Inc. in Baltimore, are the main collaborators on this research study.

The research will be conducted by a consortium of investigators at Boston University Medical Campus, University of North Carolina, Johns Hopkins University, Brown University, Emory University, Fenway Community Health, ReProtect Inc., Kentucky BioProcessing LLC, Auritec Pharmaceuticals Inc., Aridis Pharmaceuticals, and Mapp Biopharmaceutical.

 \$9M

BUSM researchers have been awarded a five-year, \$9 million grant from the National Heart, Lung, and Blood Institute to mass-produce sickle cell anemia-specific induced pluripotent stem (iPS) cells. Under the direction of principal investigators Martin H. Steinberg, MD, BUSM professor of medicine and director of the Center of Excellence in Sickle Cell Disease at BUSM and Boston Medical Center, and George Murphy, PhD, BUSM assistant professor of medicine and hematology and oncology and codirector of the Center for Regenerative Medicine, the researchers propose making iPS cells from the blood of patients with sickle cell disease to better understand how certain genes are involved in the disease.

Sickle cell anemia, an orphan disease common among African Americans, is noted for its extensive morbidity and high mortality. Only one Food and Drug Administration-approved drug is available for its pathophysiologically based treatment. This agent, hydroxyurea, works through its ability to induce fetal hemoglobin (HbF) expression, which thwarts sickle hemoglobin polymerization. Not all patients respond to this treatment, so additional HbF-inducing drugs are needed.

“This funding will allow us to create the largest library of sickle cell disease-specific

iPS cell lines in the world,” says Murphy. “It enables the creation of an *in vitro* system for the study of sickle cell anemia in the exact genetic context of the patients.”

Using a novel excisable reprogramming vector, the researchers will generate clinical grade human iPS cells free of any residual reprogramming transgenes. These directly differentiated sickle iPS cells will be used to produce an unlimited supply of erythroid-lineage cells to better understand HbF genetic regulation and perform preclinical small molecule drug screens.

“Ultimately, we hope to translate these findings into clinically efficacious treatments,” said Steinberg, also a professor of pediatrics and pathology and laboratory medicine at BUSM.

Other BUSM faculty members involved with this research project are Gustavo Mostoslavsky, MD, PhD, gastroenterology; Darrell Kotton, MD, pulmonary; David Chui, MD, hematology and oncology; Paola Sebastiani, PhD, biostatistics; Clinton Baldwin, PhD, genetics; and Susan Perrine, MD, hematology and oncology.

 \$3.5M

Researchers from BUSM and Boston Medical Center (BMC) were awarded a \$3.5 million grant from the National Institute on Drug Abuse (NIDA) to improve upon the “seek, test, treat, and retain” paradigm in Eastern Europe among HIV-infected Russian and Eastern European injection drug users (IDUs) in narcology (addiction) care. The project will be known as LINC: Linking Infectious and Narcology Care.

Russia and Eastern Europe have one of the fastest-growing HIV epidemics in the world, with transmission risk primarily from injection drug use. Russia, Ukraine, and other countries in the region have implemented routine HIV testing within established addiction treatment systems (narcology hospitals).

The narcology system of care, however, works largely independent of other medical care systems and hence has not adopted strategies to link HIV-infected patients to HIV care.

The research will be conducted under the direction of Jeffrey H. Samet, MD, professor of medicine and community health sciences at BUSM and BUSPH and chief of the Section of General Internal Medicine at BMC. Samet was recently selected as a NIDA International Program 2011 Awards of Excellence winner.

As in the United States in the 1990s, delayed or non-receipt of HIV medical care, particularly among IDUs, is common in Russia. According to Samet, the principal investigator of the study, this is a missed opportunity since up to 45 percent of Russian IDUs in narcology treatment are infected with HIV, yet as few as 20 percent of those are in care.

“The objective of this study is to implement and assess a behavioral and structural intervention in Russia designed to support and motivate HIV-infected heroin-dependent narcology patients to engage in HIV medical care and ultimately improve their HIV outcomes,” says Samet.

LINC is a clinical model designed to coordinate narcology and HIV systems of care using an intervention inclusive of staff from both systems and composed of elements shown to facilitate engagement in medical care: HIV case management and nurse home visits. The central hypothesis is that an intervention that involves coordination between the narcology and HIV systems will lead to increased engagement in HIV medical care. “Coordination will involve HIV case management delivered by a peer to help motivate and reduce barriers to HIV care engagement and enhanced outpatient narcology treatment delivered by an addiction nurse with communication between these providers,” Samet adds.

The project will be undertaken by an international research team experienced in addressing HIV, substance use, and clinical interventions in Russia.



**AETNA
FOUNDATION
SUPPORTS STUDY
OF OBESITY
AMONG AFRICAN
AMERICAN
WOMEN**

As part of a \$1 million funding program, the Aetna Foundation has provided a \$233,000

grant to Boston University’s Slone Epidemiology Center for a two-year study of factors that influence obesity among African American women—including both individual and neighborhood-level factors—and the identification of the most effective small changes

individuals can make to decrease obesity rates among African American women. Researchers will examine data from more than 20,000 participants in

the ongoing Black Women’s Health Study, including diet and exercise patterns, psychosocial stressors, and the neighborhood environment in which the women live.

Researchers led by Julie Palmer, PhD, professor of epidemiology, senior epidemiologist at the Slone Epidemiology Center, and principal investigator for the Black Women’s Health Study, hope to identify small, actionable changes women can take to reduce weight gain. They also hope to acquire evidence that will lead to policy and institutional-level changes that can impact weight gain and obesity, such as neighborhood safety and walkability and grocery store accessibility. ■

MORE ONLINE:  www.bu.edu/bwhs

MR. AND MRS. SHAUN TROTMAN
DISCUSS THEIR DAUGHTER,
SHAUNA, WITH DR. FRANK.

Helping Children Thrive

A New Professorship in
Child Health and Well-being
Honors an Extraordinary
Legacy of Advocacy,
Care, and Research



Deborah A. Frank, MD,

BUSM professor of pediatrics, was installed as the first incumbent of a new chair in Child Health and Well-Being in the Department of Pediatrics on May 31. Generous donors, who wish to remain anonymous, established the endowed chair honoring Frank's many years of service to impoverished children who suffer from hunger and hardship.

According to the U.S. Department of Agriculture, more than 17 million children in the United States lived in food-insecure households in 2009 (the most recent year for which data are available). In a 2010 report, the Feeding America/Second Harvest emergency food network reported that 37 million Americans, including 14 million children, received food aid, a 46 percent increase over 2006. Compared to children who live in food-secure households, these children are at a much higher risk of poor health and hospitalization and are more likely to have developmental delays with long-term negative consequences for a healthy maturation.

Since her fellowship in child development with

continued



PHOTOS BY VERNON DOUCETTE



DR. FRANK EXAMINES PATIENTS SHAUNA TROTMAN (BELOW, FAR LEFT) AND PATRICK KENNEY (BELOW, CENTER AND RIGHT) SITTING ON THE LAP OF HIS MOTHER, JILL HYNES.

T. Berry Brazelton at Boston Children's Hospital from 1979 to 1981, Frank has dedicated her practice to researching and mitigating the effects of child hunger and hardship locally and nationally and to advocating for funding and programs to address children's needs.

In 1981, she established the Failure to Thrive Program at Boston City Hospital, now known as the Grow Clinic for Children at Boston Medical Center (BMC). She currently serves as the clinic's director. Her work focuses on breastfeeding promotion, nutrition among homeless pregnant women and children, failure to thrive, and the "heat or eat" choice many low-income families face each winter.

Frank is also the founder and principal investigator of Children's HealthWatch, a network of pediatric and public health researchers working to improve child health. A highly respected national authority, she has testified before both the United States and Massachusetts legislatures on the growing national problem of hunger and its effects on children.

"This chair in Child Health and Well-Being is in recognition of the person who exemplifies our Department of Pediatrics, and she fits the title of the chair as well," says Barry Zuckerman, MD, professor and chair of the BUSM Department of Pediatrics.

Frank also leads research funded by the National Institute on Drug Abuse on the effects of intrauterine exposure to cocaine and other substances on children's long-term development. She advocates at hearings and in the media against criminalizing addicted mothers or stigmatizing their children.

She has served on numerous committees and advisory boards including the Mayor's Hunger Commission, the Massachusetts Child Hunger Initiative, and the Physicians Task Force on Childhood Hunger in Massachusetts. She has received awards including the 2004 Standing Ovation Award, Massachusetts Human Services Coalition; the 2007 Woman of Valor Award, Jewish Funds for Justice; and the 2008 Woman of Justice Award, *Massachusetts Lawyer's Weekly*. In 2010, Frank received the Massachusetts Health Council Outstanding Leadership Award and the Physician Advocacy Merit Award from the Institute on Medicine as a Profession at Columbia University.

Frank is the author of more than 50 papers and articles. A summa cum laude graduate of Radcliffe College and Harvard Medical School, she did her residency at Children's Orthopedic Hospital in Seattle.

"An endowed professorship is one of the most significant honors BUSM offers for its most esteemed teachers and researchers," says BUSM Dean Karen Antman, MD. "Many people support organizations that address hungry children around the world. The anonymous donors recognized that we have plenty of hungry and malnourished children right here in Boston and thus supported Dr. Frank and her work."

"No words can express my sincere gratitude to the donor, to Boston University School of Medicine, and to the Department of Pediatrics," says Frank. "I will always strive to deserve this honor." ■

THE GROW CLINIC NOURISHING CHILDREN FOR 27 YEARS



Started in 1984, the Grow Clinic for Children in BUSM's Department of Pediatrics at Boston Medical Center provides comprehensive specialty medical, nutritional, developmental and social services, and dietary assistance to children whose weight or height is significantly below that which is expected for their age. These children range from moderately to severely malnourished and have shortened attention spans, impaired fine and gross motor skills, and increased risk of illness, emotional problems, and delayed learning and language skills.

The Grow Clinic serves a diverse population of mostly low-income families from some of Greater Boston's poorest communities. The clinic provides a food prescription and links to Boston Medical Center's food pantry, baby food, vitamins and specialized nutritional supplements including special formulas for children with severe allergies that families cannot afford. Multilingual outreach workers visit homes and daycare sites to plan children's nutrition and provide transportation to the clinic, intensive social work, developmental assessment, mental health support, and links to community resources and programs including educational resources.

"We treat malnourished children who are our neighbors," says Deborah Frank, BUSM professor of pediatrics and director of the Grow Clinic. "The children's average age is 16 months and 30 percent are infants under a year. We have experienced a 40 percent increase in new patients from 2009 to 2010."

In addition to providing clinical services, the Grow Clinic advocates for policies to decrease the number of children in need. The clinic's intensive educational efforts and outreach to community health centers result in earlier intervention for such children, greatly increasing their chances of reaching their full growth potential and reducing their risk of hospitalization. According to Frank, without the Grow Clinic, many of these children would be hospitalized at great expense and many would relapse after discharge without specialized outpatient care. "Some might die of complications. Most would be left physically and developmentally stunted throughout their lives, and some would end up in the foster care system," she adds.

THE FREEDOM TO CHOOSE FIRST ENDOWED ASSISTANT PROFESSORSHIPS ESTABLISHED IN DEPARTMENT OF DERMATOLOGY

When funding became available to endow a teaching position in the Department of Dermatology, Professor and Chair of Dermatology Rhoda Alani, MD, decided that supporting junior faculty was the highest priority for the department and for BUSM.

"Endowing any faculty position allows faculty to have the freedom to choose what they can pursue academically," says Alani. "For the most part, senior academics already have that freedom, but few junior faculty have the resources or the protected time to cultivate creative and untested ideas early in their careers. Assistant professorships provide these opportunities."

Alani also stresses that having endowed positions is a tremendous incentive to attract new, gifted faculty to the institution: "Benefits accrue to students and current faculty as well as to the whole School as these young scientists and teachers create opportunities for innovative research and intellectually rigorous training and collaboration."

The appointments, one designated for clinical research and the other for basic science, are for three years.

Alani hopes that additional funding sources and generous contributions will allow the department to build on this auspicious start. "We look forward to expanding our resources in order to give our faculty the time and support necessary to carry their new ideas, forward-thinking pursuits, and groundbreaking scientific research to fruition."



Giving

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Boston University School of Medicine is proud to celebrate another outstanding fundraising year that realized \$20,894,061 contributed in support of the School's research initiatives, scholarships, and capital projects. We are especially grateful to our Dean's Advisory Board Members whose leadership giving of \$6,125,740 led the way. Thank you for all your continued support of this exceptional institution.

THE CHESTER S. KEEFER, MD SOCIETY • The Chester S. Keefer, MD Society was established as a means of recognizing the commitment, generosity, and support of individuals whose vision has provided major assistance to Boston University School of Medicine. The Society is named in tribute to the memory of Dr. Chester S. Keefer, whose foresight and determination in his various roles as chairman of the Department of Medicine, dean of Boston University School of Medicine, and director of the medical center were responsible for laying the foundation for the Boston University Medical Center. It is in the memory of his spirit that we honor those donors whose total contributions have reached \$50,000 or more at the School of Medicine. *Names in **bold** are new members in 2011.*

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Class of 2011 Keefer Society Members at the March 2011 Keefer Society Dinner

1. Dean Karen Antman with Class of 2011 Keefer Society members (left to right) Edmond Charrette, MD '62; Nasir Kahn, MD; Stella Martin, PhD; Albert Ghassemian, MD; R. Ellen Avellino; and John T. Avellino, as they display their Keefer Society member plaques.
2. John T. Avellino, R. Ellen Avellino, and their daughter, Gabriella Avellino, BUSM Class of 2013
3. Stella Martin, PhD
4. Albert M. Ghassemian, MD and his nephew, Artin Ghassemian
5. Nasir A. Kahn, MD
6. Edmond E. Charrette, MD '62

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Sherry M. Leventhal, JD, Succeeds Merwyn Bagan, MD '62, as Chair of Dean's Advisory Board



Merwyn Bagan Led DAB for Six Years

Merwyn Bagan, MD '62, MPH '95, a distinguished neurosurgeon, has been a leader of professional neurosurgical societies as well as the president of state and national health maintenance organizations. He has contributed to medical training, care, and administration as close to home as New Hampshire and as far away as Nepal and other countries. He brought his tremendous expertise to advancing BUSM as a member and then as chair of the BUSM Dean's Advisory Board (DAB) from 2005 to 2011. He recently converted a long-established student revolving loan fund at the School to an endowed scholarship fund to better meet the financial aid needs of current BUSM students.

Also a member of the BU Board of Overseers, Bagan cites his gratitude for his BUSM medical education as the primary reason for his involvement in and contributions to the School of Medicine. "All of the things I have done in my professional life would not have been possible without my medical education at Boston University," he says.

"Merwyn Bagan is an outstanding physician who has used his tremendous abilities to advance the field of neurosurgery. Instead of retiring, he then studied for an MPH and used his experience and new skills to bring the benefits of quality health care to patients across the country and around the world," says Dean Karen Antman, MD. "We are extremely fortunate to have him in a leadership role and I very much appreciate his willingness to share his expertise and counsel during my first six years at the School of Medicine."

Bagan served as president of the American Association of Neurological Surgeons (AANS) and the New Hampshire Medical Society. He co-founded Healthsource New Hampshire and Healthsource, Inc., state and national health maintenance organizations, and served as president and chair of Healthsource New Hampshire and chair of Healthsource, Inc. From 1995 to 2000, he lived in Nepal at the Tribhuvan University Teaching Hospital, where he helped establish

a neurosurgery training program in the Department of Surgery, which remains self-sustaining and without foreign aid. He also helped the hospital obtain \$1 million of medical equipment.

He is the recipient of the Distinguished Service Award from the Congress of Neurological Surgeons, the Humanitarian Award from the American Association of Neurological Surgeons, the BUSM Distinguished Alumnus Award and the BU Alumni Award, and the Suprabal Gorkha Dakshina Bahu Award from King Birendra of Nepal. His current interests include an online professional networking site where neurosurgeons from around the world can discuss clinical and academic issues and offer case presentations.

Sherry Leventhal, JD, Is New Chair of Dean's Advisory Board

Sherry Leventhal, JD, the new chair of the BUSM Dean's Advisory Board (DAB) as of June 2011, recognizes the high level of intellectual and organizational expertise the members of the DAB share and wants to more fully leverage their expertise to generate innovative ideas for advancing the mission of the School of Medicine. The DAB exists to counsel the dean of the School of Medicine and to actively participate in strategic planning, external relations, and fundraising initiatives to better position BUSM.

"My focus is to have the group more involved in dissecting issues that are of concern to Dean Antman," says Leventhal, "to really use this board that is made up of people from all different walks of life, not just physicians. They offer many good ideas, and I want to integrate them and have the board helping plan strategy, or seeding ideas for new strategies."

Leventhal's interest in BUSM stems from the exceptional experience her two daughters had as medical students at the School. "Both of my daughters, who are very different in personality and had very different plans for what they wanted to do when they graduated from medical school, had an extraordinary experience there," she says. "It was even more evident after they graduated and became residents, when they realized that this School had prepared them so well for the fields they went into."



"The training on BU's Medical Campus doesn't just produce people who can take tests well or who robotically go through the steps you have to go through to practice medicine," Leventhal continues. "The graduates of this School are well-rounded, they are compassionate, they are diverse, they care about their patients, and they have extraordinary clinical experience."

Leventhal believes that clinical training at Boston Medical Center contributes significantly to BU medical students' preparedness to practice medicine. "It is such a diverse hospital, where they are given a great deal of responsibility," she notes. "Sara, my oldest daughter, says that many of the residents with her at Brigham and Women's did not get the kind of experience that she received as a medical student."

Leventhal identifies two areas for improvement at BUSM. One is the School's high tuition; the other is the need to raise the profile of the School. "Tuition is too expensive, and these students are graduating with too much debt," she says. "BU also needs to get out in the community, to be recognized for all of the excellent work it is doing."

A trustee and past chair of the Board of Trustees of the Neighborhood House Charter School in Dorchester, Massachusetts, Leventhal serves on the Board of Administrators of Tulane University and served on the Board of Trustees of Beth Israel Deaconess Medical Center. She is a graduate of Northwestern University and received her JD from Tulane University Law School. She was a partner at the New Orleans law firm of Lemle & Kelleher LLP until 1997, when she moved to the Boston area.

DAB members are selected for three-year renewable terms by the dean of the School of Medicine. The members of the DAB bring a rich diversity of experience in medicine, research, disease areas, business, education, and other related professions that provides valuable expertise and support to the School and its educational programs.

Board members' roles include acting as ambassadors to constituent groups, including alumni, industry, and the medical profession; communicating the School's vision and priorities; developing a culture of philanthropy; fostering active participation in building the DAB and recruiting other DAB members; and helping to secure philanthropic gifts for the School.



1. Dean Karen Antman and Dean's Advisory Board members at the October 2010 Board meeting. *Front row:* William Manger, MD; Mary Jane England, MD '64; Sherry Leventhal; Dean Karen Antman; Esther Hopkins; Rita Mehos. *Middle row:* Ted Moore; Terry Peel; Paul Rothbaum; Elaine Kirshenbaum; Adrienne Penta; Michael Critelli; Simon Parisier, MD '61. *Back row:* Larry Cancro; Lee Silver, MD '82; John Polk, MD '74; Michael Kussman, MD '68; Jerry Serchuck.



2. Dean's Advisory Board Dinner honoree, outgoing DAB Chair Merwyn Bagan, MD '62, accepts a gift of a safari hat, in recognition of his extensive work in Nepal, from President and Dean Emeritus Aram Chobanian, MD, as Dean Karen Antman watches.

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1. At the recent Board meeting, Dean's Advisory Board members Peak Woo, MD '78 (left) and Zubeen Shroff check a simulated patient's vital statistics.
2. John Wiecha, MD, MPH, associate professor of family medicine, assistant dean for academic affairs, and director of the Office of Medical Education, and Nanette Harvey, MD, assistant professor of family medicine, demonstrate a simulated patient model to Dean's Advisory Board members (far right) Jeffrey Jay, MD '83, and Ann Cea, MD '67, at the May Board meeting.

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Mr. John Westgate and Mrs. Barbara Westgate
Mr. and Mrs. William D. Whitney

1. Dean Karen Antman, center, converses with Dean's Advisory Board members Ted Moore and Una Ryan, MD, at the Board dinner.
2. Participating in the Student Panel Presentation at the Dean's Advisory Board Dinner are (from left) David Rodriguez, BUSM 2012; Nicholas DeNunzio, BUSM 2014 (MD-PhD); and Associate Dean and Director of Admissions Robert Witzburg, MD '77.

Dr. Karl-Martin Wiklund
Friends of Bertine Willis
Mr. Stephen F. Wright

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- ★ **Lifetime Dean's Club**
(Prior to FY 02)

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1940

1 donor
100.0% participation

- ❖ Iver S. Ravin

1942

\$700 donated
3 donors

50.0% participation

- Elizabeth A. Gregory
Abraham Kaye
- Milton M. Small

1943-A

1 donor
20.0% participation

- Peter L. Sapienza

1943-B

\$2,500 donated
4 donors

40.0% participation

- + **William E. R. Greer**
- Jacob Jay Matloff
Joseph R. Sgarlat
H. Tom Tamaki

1944

2 donors
20.0% participation

- Albert B. Accettola
Leona R. Zarsky

1945

\$6,300 donated
4 donors

22.0% participation

- ◇★**Frank J. Miselis**
- ❖ **George H. Nip**
Marjorie E. Readdy-Sullivan
- **Henry R. Wolfe**

1946

2 donors
13.0% participation

- ★**Douglas N. MacInnis**
- Donald N. Vivian

1947

\$2,900 donated
6 donors

35.3% participation

- ★ Marvin J. Hoffman
David Kaufman
- ★ **Stanley H. Konefal**
- **Harold L. Osher**
Raymond Seltser
Louis V. Sorrentino

1948

\$4,550 donated
6 donors

40.0% participation

- William H. Eger
Sherman A. Gates
- ❖ **Malcolm Gordon**
- Albert L. Lamp Jr.
- Julian Mandell
- + Frederick N. Talmers

1949

\$4,400 donated
5 donors

22.7% participation

Leonard C. Alexander

Charles E. Andrews

- Albert A. Apshaga
- ◇ **Michael J. Esposito**
Maurice Vanderpol

1950

\$6,090 donated
11 donors

57.9% participation

- G. Robert Baler
- ❖ John H. Bechtel
- **Gerald Besson**
- ❖★ Donald P. Dobson
- Ramon Isales
Mildred L. Kistenmacher
Edwin C. Meserve
Marilyn M. Meserve
- **Arnold R. Perlman**
Henry B. Schoenberger

★ **George J. Talis**

1951

\$7,023 donated
13 donors

68.4% participation

- David H. Baker
- ❖ S. Arthur Boruchoff
Donald J. Davis
Bertram Fleshler
Albert L. Freedman
- Harry W. Fritts Jr.
- ❖ **Burton I. Korelitz**
Warren F. Langley
- Joseph C. Merriam Jr.
- Bennett Miller
Robert W. Mullins
- Richard J. Rihn
- Brooks S. White

1952

\$3,450 donated
6 donors

18.8% participation

Frank E. Berridge

- Alvin N. Eden
- Nicholas Giosa
Marilyn Hicks McGovern
- ❖ Eugene P. Whittier Jr.
Wladimir Zezulin

1953

\$14,732 donated
12 donors

38.7% participation

- **Harold P. Blum**
William L. Gage
- Louis M. Geller
- ❖ **Michihiko Hayashida**
- Malcolm G. Idelson
- Oskar Klausenstock
Hamer Lacey
Frank I. Marcus
- ◇+ Peter J. Mozden
- ◇ **Edward Spindell**
A. Paul Vastola Jr.
- ❖ Norman Weinstein

1954

\$26,945 donated
18 donors

52.9% participation

- Blanche K. Baler
Robert M. Berk
- ★ **Robert J. Carey**
- **William L. Curwen**
Bruce Derbyshire
- George Dermksian
- Herbert L. Everett
- ★ **Arnold Goldenberg**
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- **William I. Malamud Jr.**
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1955

\$40,874 donated
22 donors

44.0% participation

Stephen J. Alphas

- ◇★ **William Y. W. Au**
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- Stanley H. Nordmo
- ❖★ **Jordan S. Ruboy**
- ◇ Stephen Russell
- **William Thomas Jr.**
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1956

\$8,400 donated
19 donors

42.2% participation

- Donald C. Brody
Richard O. Elliott
- **Richard D. Frary**
- Ronald L. Katz
Daniel F. Kosloff
Wallace B. Lebowitz
- Robert H. Lofgren
- Italo C. Mazzarella
Richard C. Newell
- Morton B. Newman
- ❖ **Thomas F. O'Leary**
Daniel Powers
- ❖ Rolf G. Scherman
- Richard L. Shelling
- Melvin R. Shevach
Theresa A. Smith
Warren D. Smith
Herbert N. Weber
Carl S. Werner

1957

\$11,039 donated
22 donors

51.2% participation

- Howard C. Beane
- **Peter N. Carbonara**
- + John C. Coniaris
Maurice H. Connors
Norman D. Corwin
- **Peter A. Fauci Jr.**
Alan H. Goldberg
- ◇★**David Ingall**
- Arthur J. Kavanagh Jr.
- + Leonard D. Leibowitz
Richard H. Mattson
Perry Norton
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Peter Oliver
- Henry T. Oyama
- Robert A. Prendergast
- ★**Frederic F. Primich**
- **Joel S. Rankin**

Classmates Barry Manuel '58 (left) and Louis Sullivan '58 enjoying a day together at Sullivan's home on Martha's Vineyard. Manuel is the associate dean for continuing medical education at BUSM and Sullivan is president emeritus of Morehouse School of Medicine and was U.S. secretary of health and human services during the George H. W. Bush administration.



PHOTO COURTESY OF
BARRY MANUEL, MD '58

- **William L. Smith**
Julian A. Waller
Alan Ziskind

1958

\$20,495 donated
16 donors

36.4% participation

- Robert M. Abrams
- Joseph R. Gaeta
- David R. Jackson
Richard N. Kaplan
Leo T. Kelly
- ◇★ **Barry M. Manuel**
Hart deC. Peterson
Ralph D. Powell Jr.
- ❖ Albert Quintiliani Jr.
- **Kenneth J. Ritter**
- N. Paul Schepis
- **A. Craig Shealy**
Sumner Stone
- ❖ Louis W. Sullivan
Theodore W. Thoburn
- ❖ **Earle G. Woodman**

1959

\$17,465 donated
16 donors

34.8% participation

- Mary Webb Ambler
- John M. Bennett
- **Robert J. Dell Angelo**
Charles D. Drummond Jr.
- ❖ Frank C. Gazzaniga
James H. Gilmour Jr.

- **Harold D. Levy**
- **A. V. Mariano**
Julius H. Mueller
- ☆ **John F. O'Brien**
- James J. Pollard
- **George N. Queeley**
Gerald Rosenblatt
Robert H. Savola
- ❖ Richard L. Simmons
- Joseph R. Tucci

1960

\$19,500 donated
20 donors

42.6% participation

- George H. Abbot
- Morris S. Albert
Frank H. Allen
- ☆+ Jane V. Anderson
William R. Clark Jr.
Robert C. Cochran
Robert L. Conrad
Charles F. Eades
- ❖ Leonard A. Greene
Arnold M. Illman
- ❖ **Peter F. Jeffries**
- **Warren Kantrowitz**
- ❖ **Donald S. Kaufman**
- Robert M. Kim
Paul Henri LaMarche
- J. Peter Maselli
Walter Leo McLean
Jason G. Silverman
- ❖ **Michael D. Walker**

1961

\$121,644 donated
22 donors
48.9% participation

- ✦ Philip J. Andrews
- ✦ Philip J. Arena
- ✦ Jeanne F. Arnold
- M. Barbara Carney
- Richard J. Cavell
- Stafford I. Cohen
- ✦ Lester S. Dewis
- ✦ Richard S. Dolins
- ✦ Jack T. Evjy
- Alphonse L. Gallitano
- George Edward Garcia
- Edward E. Gilmour
- Laurence A. LaGattuta
- Martin Lefkowitz
- ✦ Joseph E. Magaro
- ✦ Daniel E. Moalli
- Carter G. Mosher
- ✦ Simon C. Parisier
- Francis H. Scola
- ✦ William J. Tate III
- ✦ J. Elliott Taylor
- ✦ Burton White

1962

\$125,600 donated
21 donors
38.2% participation

- Robert A. Apfel
- ✦ Merwyn Bagan
- Francis H. Boudreau
- + Leonard S. Bushnell
- M. Joyce Carlyle
- ✦ Arthur P. Carriere
- David F. Casey
- ✦ Edmond E. Charrette
- ✦ John P. Cloherty
- Fredric D. Frigoletto Jr.
- Norman C. Gaudrault
- ✦ George E. Ghareeb
- Charles W. Gorodetzky
- Arthur L. Naddell
- Joel Potash
- Roger D. Reville
- Carter B. Tallman
- John W. Towne
- ✦ George Walcott
- Lawrence W. Wood
- Thomas J. Zaccheo

1963

\$24,975 donated
26 donors
44.1% participation

- G. Curtis Barry
- Charles Michael Bliss
- Richard J. Cea
- Charles B. Currier Jr.

Class of 1961—first class to name a suite in the new student residence (see page 38).



Members of the Class of 1961 gather for their reunion dinner in May.

- Richard K. Forster
- ✦ Ronald S. Gabriel
- ✦ Michael G. Hirsh
- Victor I. Hochberg
- Richard F. Judkins
- ✦ Sarkis J. Kechejian
- ✦ Edward E. Krukonis
- Gerald N. LaPierre
- Ethel Brown Margolis
- Richard T. Mason
- Jeremiah P. McDonald
- ✦ Carl A. Olsson
- ✦ Burt M. Perlmutter
- Marc W. Richman
- Saul J. Rosenstreich
- Robert W. Ruggeri
- Andrew L. Taylor
- James D. Villiotte
- Alan J. Wabrek
- ✦ Francis E. Wanat
- Jane A. Winchester
- Herbert M. Wyman

1964

\$31,676 donated
19 donors
38.8% participation

- Edward P. Andersen
- Thomas C. Bagnoli
- Putnam P. Breed
- Walter J. Brodzinski
- Joyce Liu Chen
- John P. Cocchiarella
- Joseph F. Di Troia
- ✦ Mary Jane England
- Thornton C. Kline Jr.
- Ruth M. Lawrence
- George I. Litman
- ✦ Thomas A. MacLean
- John R. Marcaccio
- Doris B. Nagel
- Donald R. Pettit

- Robert M. Seymour
- ✦ Charles E. Taylor
- Murray W. Waksman
- ✦ Lawrence A. Yannuzzi

1965

\$36,800 donated
33 donors
60.0% participation

- Anonymous
- Irving M. Allen
- ✦ Michael L. J. Apuzzo
- Rosalie Meissner Auster
- ✦ Donna R. Barnard
- ✦ Douglas E. Barnard
- Harry W. Bennert Jr.
- ✦ Robert H. Brown
- William A. Christmas
- Curtis R. Clayman
- Benedict D. T. Daly
- Frank F. Davidson Jr.
- Alain A. de La Chapelle
- ✦ Elizabeth C. Dooling
- David F. Garvin
- Bennett S. Gurian
- George A. Hasiotis
- John A. Hermos
- ✦ James B. Howell
- ✦ M. David Kelleher
- ✦ Peter C. Kelly
- ✦ Robert F. Kenerson
- ✦ Howard M. Ledewitz
- David W. Moore
- Ralph A. Nelson
- Edward F. Parsons
- Milton C. Pettapiece Jr.
- Da Ba Pho
- ✦ Nancy E. Rice
- + Donald A. Rotenberg
- Dominick A. Sampogna
- John W. Scanlon
- Ronald Zevin

1966

\$10,500 donated
28 donors
45.9% participation

- Michael S. Annunziata
- Irwin Avery
- John J. Barrett
- William H. Beekley
- Jerome F. Bergheim
- Aaron T. Billowitz
- Richard D. Bland
- Ronald E. Coutu
- ✦ David A. D'Alessandro
- Daniel D. Foote
- Paul A. Gitman
- Norma B. Hamilton
- ✦ Harry M. Iannotti
- Joseph F. Iovino
- Edward Joseph
- Joan L. Lasser
- Jonas R. Leifer
- Dennis B. Lind
- Kenneth Pedini
- Carol A. Milchenski Rothman
- Herbert L. Rothman
- Richard J. Samaha
- Edward L. Schneider
- Martin J. Sheehy III
- Michael P. Tragakis
- Edmund C. Tramont
- Henry M. Yager
- David H. Zornow

1967

\$25,950 donated
19 donors
33.9% participation

- ✦ David A. Bailen
- Marshall S. Bedine
- Anthony F. Bonacci
- ✦ Susan E. Bradford
- ✦ Ann C. Cea

- Jeffrey B. Crandall
- Mary L. Del Monte
- ✦ Ralph G. Ganick
- Edward V. Grayson
- ✦ Robert W. Healy
- ✦ Mark S. Michelman
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- Leonard A. Sharzer
- ✦ Ethan M. Shevach
- Arthur D. Shiff
- ✦ Stuart E. Siegel
- Emil Von Arx III
- John G. Williams Jr.

1968

\$20,904 donated
18 donors
26.5% participation

- Anonymous
- Frederick B. Berrien
- ✦ Frederick L. Fox
- Edward J. Glinski
- David W. Gothard
- Edward S. Gross
- David G. Heller
- Michael A. Kane
- Shirley P. Horlick Klein
- ✦ Michael J. Kussman
- ✦ Paul A. Levine
- Gerald H. Margolis
- Charles S. Nordell
- James W. Rosenberg
- ✦ Frank J. Schaberg Jr.
- ✦ Monica J. Schaberg
- Barry E. Sieger
- Annetta Kimball Weaver

1969

\$10,900 donated
20 donors
31.3% participation

- Clare L. Dana
- ✦ Michael S. Drucker
- Geraldine L. Feldman
- Arthur P. Fisch
- ✦ Edward W. Forbes
- David P. Gold
- Ronald A. Grant
- Lester K. Henderson
- ✦ George L. Hines
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- ✦ John Prentice Howe III
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- R. Ryan Platt
- Jerilynn C. Prior
- Stuart Rhein
- Peter J. Sapienza
- Michael J. Scollins

- Kenneth C. Spengler Jr.
- Elihu L. Sussman

1970

\$22,283 donated
13 donors
21.3% participation

- ✦ Barbara J. Baker
- Howard S. Britt
- Bruce R. Davidson
- ✦ Joseph S. Fastow
- Gene A. Grindlinger
- Harvey R. Gross
- Paul J. Haydu
- Armen S. Kasparian
- ✦ Gail Kaplan Kraft
- ✦ Steven Abbott Miller
- Mike B. Siroky
- ✦ Robert O. Valerio
- ✦ Robert A. Vigersky

1971

\$4,575 donated
13 donors
18.8% participation

- ✦ Marc A. Clachko
- Paul B. Cohen
- Mark O. Cutler
- John A. Dundas
- Geoffrey W. Emerson
- + Courtland L. Harlow Jr.
- Patrick J. O'Hara
- Herbert S. Plovnick
- Louis E. Rosenthal
- Peter B. Sahlin
- Peter M. Taft
- Jerry R. Wexler
- ✦ Joshua Wynne

1972

\$7,665 donated
17 donors
20.5% participation

- Carol E. Anderson
- Samuel A. Burstein
- ✦ David M. Center
- Edward V. Famiglietti Jr.
- Justus J. Fiechtner
- Robert I. Friedman
- Robert G. Layton
- Steven Lipper
- Paul B. Markarian
- ✦ Robert F. Meenan
- Allen E. Ott
- George A. Parker
- Alan S. Peterson
- Stephen H. Schneider
- Joel R. Schulman
- Bruce K. Shapiro
- ✦ Charles A. Welch

1973

\$14,460 donated
26 donors
31.0% participation

- Michael J. Cassidy
- Richard S. Chung
- Robert R. Dittkoff
- Michael Feinberg
- William J. Georgitis
- John A. Gillespie
- Steven A. Gould
- Lynne Gradinger
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- Joshua D. Gutman
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- Evan E. Mortimer
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1974

\$12,844 donated
23 donors
24.7% participation

- David L. Barrasso
- James A. Benson
- Arnold M. Berman
- Marvin D. Berman
- Steven P. Bloom
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1975

\$9,510 donated
24 donors
24.0% participation

- Barbara H. Bjornson
- Bruce N. Brent
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- Theslee Joy DePiero
- Joseph H. Goldberger
- Linda Cashin Hemphill
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- Elizabeth Kantor
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- Lindsey C. Kiser
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- David L. Weinbaum
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- John F. Yee
- Robert M. Zelazo

1976

\$16,875 donated
17 donors
15.6% participation

- Alyce R. Adams
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1977

\$16,430 donated
30 donors
25.0% participation

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- Gary M. Tanguay
- Kathleen F. Thurmond
- ❖ Robert A. Witzburg
- Kenneth W. Wright

1978

\$18,525 donated
24 donors
18.8% participation

- James E. Andrews
- ❖ Carola A. S. Arndt
- ❖ Carlos S. Beharie
- Steven J. Bellin
- Rita Benezra-Obeiter
- Alan Berkenwald
- Frank S. Davis
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- Stephen G. Porter
- S. Scott Reese
- Daniel Rotrosen
- David M. Saltzberg
- ❖ Alan L. Schechter
- Ronald E. Schott
- Neal Shadoff
- David Bent Smith
- Richard D. Tanner
- ❖ Peak Woo

1979

\$11,000 donated
29 donors
20.4% participation
John J. Adams

- ❖ Howard C. Bauchner
- Edward L. Bedrick
- Charles M. Blitzner
- Steven J. Brand
- ❖ Karen T. Brown
- John E. Burke
- John A. Durkan
- Stuart R. Ferguson
- Patricia Otto Francis
- James G. Freeman
- Stanley E. Golden
- Gregg H. Grinspan
- William H. Herman
- Robert K. Jackler
- Joseph O. Jacobson
- Barbara Hochberger Katz
- Ruth J. Magraw
- Carmen Martinez
- ❖ Jerry Murphy
- J. David Ogilby
- Kert D. Sabbath
- Robert L. Sheridan
- Mark A. Silver
- Daniel I. Singer
- Arthur C. Theodore
- Joel M. Trugman
- Carolyn H. Welsh
- Edward R. White

1980

\$10,175 donated
25 donors
19.4% participation

- ❖ Winston D. Alt
- Debra A. Babcock
- Michael J. Cahalane
- ❖ David R. Edelstein
- Joseph P. Falco
- Martha Gilpatrick
- Christine S. Hunter
- Michael A. Husson
- Jennifer Mok Johnson
- Thomas C. Johnston
- Heidi Kapanka
- Norman A. Kornwitz
- Diane B. Kurshan
- Keith J. Lerner
- Lauren Lipshutz Lerner
- Joseph L. Malone III
- Gordon S. Manning
- James F. Mitchell Jr.
- Mary Ann Oberdorf
- Charles C. Paniszyn
- Steven W. Paskal
- Andrew D. Polansky
- A. Pamela Reichheld
- S. John Saragas
- Kenneth B. Simons



1. BUSM Class of 1981—30th Reunion: Front row (left to right), Natacha Sochat '81, Joyce Romm, Mindy Langer '81, Sharon Fletcher-Daley '81, Charles Pattavina '81. Back row (left to right) Michael Sochat '81, Daniel Romm '81, Richard Gaines '81, Corey Langer '81, Jordan Leff '81.

2. Members of the Class of 1986 and their guests attend a reunion dinner in May.

1981

\$32,208 donated
46 donors
32.4% participation
Nancy P. Andersen

- Jorge A. Brito
- Sally Browning
- ❖ John V. Chobanian
- Minou Woel Colis
- Ronald Collman
- Barbara J. Coyne
- ❖ Thomas J. Dowling Jr.
- Mary Ann Drinkwater
- ❖ Bonnie Edelman Epstein
- Jonathan I. Epstein
- William B. FitzGerald
- Sharon L. Fletcher-Daley
- Veronica Gabriel-Mayson
- Frederick Georgian
- Jeffrey H. Gottlieb
- Lawrence C. Greb
- Neal S. Greenstein
- Robert M. Hansen
- Kathy Bull Henry
- Richard J. Hicks
- David M. Hollander
- Linda Hsueh
- Carolyn L. Kinney
- Fred M. Krainin
- Corey J. Langer
- Mindy S. Langer
- Jordan Leff
- Seth P. Lerner
- Lisabeth Leach Maloney
- Susan Cadinha Marks
- Mary Ellen McCann
- Fredric B. Meyer
- M. Elizabeth Oates
- Lucy C. Paniszyn
- Ira D. Papel
- Stephen R. Pratt
- Patricia L. Roberts
- Daniel S. Romm
- Daniel Rosenberg
- Karen F. Rothman
- Alan G. Salz
- Jeff M. Sands
- Ronald P. Sen
- Peter M. Seymour
- Domenic M. Strazzulla

1982

\$58,580 donated
26 donors
19.4% participation
Susan Biener Bergman

- Robert Burchuk
- Gary R. Cohen
- William G. Dietrich
- Brett Taylor Foxman
- David Henry Frankel
- Roxane Gardner
- Luis A. Bauzo
- ❖ Kathleen M. Bennett
- Lenore J. Brancato
- ❖ Douglas A. Conigliaro
- ❖ Patricia A. Connolly
- Andres Costas-Centivany
- ❖ David J. Covall
- ❖ David P. DiChiara

- Barbara L. Hartwell
- Phyllis A. Kephart
- Raphael I. Kieval
- Barbara M. Krause
- Juliette Lomax-Homier
- David W. Nelson
- Robert D. Oates
- James M. Perlotto
- Richard S. Pieters Jr.
- Ronald L. Ragland
- ❖ Kenneth Renkens Jr.
- ❖ David Rothbaum
- ❖ David N. Schwartz
- ❖ Allyn L. Sher
- ◆ Lee B. Silver
- Daniel M. Steigman
- Jon C. Thatcher
- Kenneth S. Thompson
- Deborah E. Zuckerman

1983

\$26,472 donated
22 donors
16.5% participation

- Scott D. Becker
- ❖ Lynne Brodsky
- ❖ Mary C. Burke
- Mark D. Chase
- Douglas B. Evans
- Steven J. Fox
- ❖ Frederick A. Godley III
- ❖ Andrew M. Goldenberg
- Hilton O. Hosannah II
- ☆ Jeffrey R. Jay
- Glenn P. Kimball Jr.
- Jeffrey M. Liebmann
- Donald K. Marcus
- Anna J. Mitus
- Peter E. Rice
- Elise K. Richman
- Alan L. Rothman
- Ralph L. Sacco
- ❖ Barbara J. Tellerman
- ❖ David L. Walton
- Kalman L. Watsky
- Gordon H. Zuerndorfer

1984

\$20,560 donated
29 donors
19.7% participation
Michael D. Ames

- Luis A. Bauzo
- ❖ Kathleen M. Bennett
- Lenore J. Brancato
- ❖ Douglas A. Conigliaro
- ❖ Patricia A. Connolly
- Andres Costas-Centivany
- ❖ David J. Covall
- ❖ David P. DiChiara

- Robert S. Falcone
- Jon B. Getz
- Alan D. Haber
- Richard K. Hacker
- Peter Heit
- Kevin S. Hopkins
- ❖ Jeffrey P. Hurley
- Allen E. Joseph
- Robert C. Joseph
- Kathleen E. Kearney
- Charles E. Keller Jr.
- Jeffrey K. Levin-Scherz
- ❖ Guy L. Mintz
- Polly J. Panitz
- James E. Parker
- Morris Pasternack Jr.
- Evan L. Siegel
- Rebecca E. Snider
- Ronald J. Sunog
- Marsha L. Zellner

1985

\$24,736 donated
22 donors
16.2% participation

- ☆ Max M. April
- Elizabeth Day Barnett
- Alan M. Berg
- Peter David Berman
- Alan Epstein
- John D. Feldman
- Robert F. Fishman
- Suzanne Gagnon
- Howard A. Green
- Stephen Guy
- David S. Kam
- Mark C. Kuperwaser
- Karen M. Kyle
- Jeffrey S. Lamont
- Abby Bernheim Landzberg
- Jeffrey M. Morse
- Alan S. Multz
- Robert S. Napoletano
- Rebecca Reetz Neal
- William V. Raszka Jr.
- Stacey Rosen Silverman
- Tumika Williams-Wilson

1986

\$21,850 donated
23 donors
17.0% participation

- ❖ Joseph S. Baler
- Anne M. Bankson
- Jordan L. Blinder
- ❖ Michael G. Connolly Jr.
- Stephen B. Corn
- ❖ Christopher A. Danby
- Roger N. Danziger
- Mary Lally Delaney

- Peter Dewire
- Joshua D. Feder
- Richard Iorio
- Byron L. Lam
- ❖ Neal Mandell
- Paul G. Meade
- Gayle P. Milton
- ❖ N. Stephen Ober
- Geoffrey M. Silver
- ❖ Michael A. Singer
- Burton G. Surick
- Ilona Wiener Surick
- ❖ H. Thomas Takei
- Raymond J. Vautour
- ❖ Lee H. Winter

1987

\$1,519,858 donated
23 donors
16.6% participation

- Stewart F. Babbott
- Debra Barra-Stevens
- ❖ Brian L. Cameron
- ❖ Doris R. Cameron
- Anthony J. Cannistra
- Michael C. Choo
- Tod D. Cooperman
- ◆ Shamim A. Dahod
- Anne D. Emmerich
- Charles M. Geller
- Michelle A. Hankins
- Patrick J. Healey
- Sonia Y. Kragh
- Grace J. Lee
- Joseph A. Levine
- Donna M. Mathias
- Bruce H. Moeckel
- Brian F. O'Donnell
- David N. Ogami
- Pierre E. Provost V
- Richard Saitz
- David N. Schwartz
- Kenath J. Shamir

1988

\$10,955 donated
28 donors
18.7% participation

- Daniel A. Adelberg
- Stephen R. Beaupre
- Carl J. Boland
- Laurence Chu
- Jennifer A. Clark
- R. Scott Cowan
- Paula M. Cullinane
- Joseph J. Frassica
- Irene Gage
- Charles A. Garabedian
- ❖ Amy S. Gifaldi
- Ronni L. Goldsmith

William G. Grier Jr.

- Brian F. Groden
- James S. Hoffman
- Edith M. Jolin
- Frank S. Lee
- ❖ Gilbert L. Mottla
- W. Mark Nannery
- Vincent J. Patalano II
- Jamel Y. Patterson
- Katherine L. Phaneuf
- Steven P. Poplack
- Carl E. Rosen
- Alyse B. Sicklick
- James D. Stern
- Mary Jo Wagner
- Lancelot L. Williams

1989

\$5,900 donated
13 donors
9.7% participation

- Norberto Adame Jr.
- Kenneth M. Algino
- Jean Murray Ferrara
- Steven M. Greenberg
- Robin A. Horn
- ❖ Kenneth P. Kato
- Richard E. Luka
- Patricia G. Morikawa
- Sara J. Nuciforo
- Lorene Osmanski
- Monica Smiddy
- Mubin I. Syed
- Alex G. Yip

1990

\$17,950 donated
17 donors
11.5% participation
Nathalie F. Azar

- David L. Burns
- John R. Charpie
- David W. Fontaine
- Brian S. Goldstein
- Kathleen M. Kelly
- Peter J. Mogayzel Jr.
- Chukwuemeka A. Onyewu
- Elizabeth A. Pomfret
- James J. Pomposelli
- Susan E. Pursell
- ❖ Jean E. Ramsey
- ❖ Leslie K. Serchuck
- Manuel A. Suarez-Barcelo
- ❖ David P. Tracy
- ❖ Stephen M. Tringale
- Fiona M. Wilmot

1991

\$10,424 donated
15 donors
11.1% participation
Marina M. Alfisher
■ Matthew H. Blomquist
Luis A. Carreiro
● Vicki Albert Chavin
● David Cohen
● Jane S. Cohen
David A. Druckman
○ Marc S. Hoffman
Treyce S. Knee
Susan B. Laster
Mina W. Ma
❖ Scott D. Pendergast
● Gary S. Schwartz
○ Charnjit Singh
◆ Alex To

1992

\$7,736 donated
18 donors
12.6% participation
Timothy R. Berigan
Ilene Ely Carlson
❖ Richard J. Catrambone
Joseph J. Chang
Walter D. Fitzhugh III
James M. Galvin
Mark L. Goodstein
James E. Hughes
● Elliott H. Leitman
Howard C. Lin
❖ Tamiko A. Long
Francis G. Martinis
○ Marisa Messoré
Keith C. Miller
○ Kishwer S. Nehal
❖ Jondavid Pollock
● David S. Saperstein
Liza Shiff

1993

\$1,700 donated
5 donors
3.9% participation
Mary Anne Barnhill
○ Michael F. Dowe Jr.
○ Cynthia C. Española
■ Anne C. Kubik
Michael S. Murphy

1994

\$4,700 donated
15 donors
11.2% participation
Sindhu A. Abraham
Christian L. Hansen

○ Loretta E. Jackson-Williams
Katrina R. Liu
○ Bronwyn L. Martin
David Mischoulon
● Carol D. Morris
● Philip M. Newhall
■ Phillip Ng
Adam I. Perlman
Maria Rita Petrillo-Bolanos
● William F. Shields
● Jenny Ching Y. So
○ John F. Tilzey
● George A. Waters

1995

\$2,300 donated
9 donors
7.3% participation
Janis L. Baccari
○ Shailesh Bhat
○ Alan C. Carver
○ Lars M. Ellison
● Karen S. Greenberg
Ramsay L. Kuo
Francis P. MacMillan Jr.
Paul Nikolaidis
Terrence F. Oder

1996

\$5,125 donated
8 donors
6.7% participation
❖ Hsi-Pin Chen
❖ Brian J. Hines
Frederick S. Hing
○ Kristen A. Cea Lachance
Alexandra I. Pinkerson
■ David J. Reitman
○ Stephanie D. Robertson
○ Alice L. Zacarian

1997

\$11,000 donated
14 donors
10.2% participation
○ Michael R. Christy
❖ Lilibeth K. Denham
Zoe Singer Fishman
■ Joseph M. Fonte
◆ Kamlyn R. Haynes
○ Lukas R. Kolm
Joshua D. Levine
Kathleen O'Neil-Smith
Wayne S. Saltsman
Mark J. Samuelson
○ Kimberly A. Stock
Allison E. Tonkin
○ Matthew E. Weber
❖ Charlotte Page Wills



BUSM Class of 2011

1998

\$3,385 donated
7 donors
5.5% participation
○ Samuel A. Frank
Anna DePold Hohler
■ Jennifer Kaplan Knepper
Elissa R. Levine
Han Li
❖ Judith P. Lytle
Ronda Appelbaum Rockett

1999

\$1,400 donated
6 donors
4.4% participation
○ Kushna K. Damallie
○ Andrew M. Doolittle
Michelle S. Hirsch
○ M. Justin Loew
○ Joshua M. V. Mammen
○ Oluyomi O. Olusanya

2000

\$850 donated
6 donors
4.4% participation
Maria-Madeleine T. Bibat
Jonathan M. Jacobson
Sara Joy Jacobson
Joshua D. Liberman
Gad A. Marshall
● Daniel J. Oates

2001

\$1,895 donated
8 donors
6.5% participation
○ Caroline S. Alpert
● Rahul S. Anand

○ Agnes H. Chen
Kim Camille Florence
○ David G. Kornguth
○ Linda W. Kornguth
Karran A. Phillips
○ Eric L. Putnoi

2002

\$225 donated
3 donors
2.5% participation
David W. Allen
Leslie C. Oyama
Xuemei Zhong

2003

2 donors
1.5% participation
Curtis T. Barry
John W. Campbell III

2004

\$175 donated
3 donors
2.5% participation
Joshua D. Kantrowitz
Antonio Riera III
Hillary S. Tompkins

2005

\$211 donated
4 donors
3.6% participation
Peter C. Everett
Nathaniel P. Fleischer
Robert M. Najarian
Jeremy L. Warner

2006

\$325 donated
3 donors
2.5% participation
○ Katherine E. Mason
▲ Helen Perakis
Andrew J. Rogers

2007

\$250 donated
4 donors
3.4% participation
▲ Michael K. Cheezum
▲ John A. Scolaro
Carrie E. Stucken
Charlton E. Stucken

2008

2 donors
1.6% participation
Hyunjoo J. Lee
Kevin M. O'Connor

2009

1 donor
0.7% participation
▲ Aileen M. Richmond

Class of 2011 Class Gift

The Class of 2011 voted to designate their class gift to the Babur Khalique Award Fund in memory of their classmate, Babur Khalique. The award will be given annually to one student to support a summer research scholarship for the study of traditional and non-traditional medical curricula, such as medical advocacy, health disparities, and art in medicine.

Khalique, an MD-PhD graduate student in biomedical engineering and medicine, died tragically in his third year of medical school.

Babur Khalique



He touched so many lives across both the Medical Campus and the Charles River Campus. In that spirit, this class gift is unique in that it includes not only the members of the MD Class of 2011, but it also includes current students and graduating students and represents those in the master of arts, master of science, doctoral, and medicine programs. It also includes graduates from the School of Law and College of Engineering. Collectively this group raised \$3,067.

The Babur Khalique Award will be administered by the Medical Student Summer Research Program based in the Enrichment Office, and the first scholarship will be awarded in spring 2012.

THE KHALIQUE FAMILY OFFERED THESE WORDS OF THANKS:

I am writing this note on behalf of myself, Babur's mom, and the whole Khalique family to thank the BUSM Class of 2011 (our son's classmates) for all the emotional and moral support they and their parents provided to us after the death of our son, Babur Khalique. Many students and their parents sent us condolence notes. We are very much thankful and appreciative of their efforts.

Our special thanks go to the students who established the fund (and the website) in honor of our son's memory and also to the students, parents, and staff of BU and BUSM who made contributions to the memorial fund. We could not have survived without all this support from so many people during the most difficult period of our lives.

We wish everyone in the class the best of luck in their careers. Their effort, help, and support will always be in our thoughts and memories. Hopefully, they will continue to contribute to the Babur Khalique Award Fund in the future and honor our son's memory.

—Abdul Khalique, Farhat Khalique, and Family

BU Student Donors to the Babur Khalique Award Fund

Michael Andreoli
Martha Baker
Aylin Bilgutay
Karla Boyd '13
Lauren Branchini
▲ William Browne
Diana Cardona-Grau
▲ Edward Carreras
▲ Matthew Chakan
Catherine Chapin
Joshua Chen
▲ Megan E. Chen
Amy Costigan
▲ Tiffany Crunelle
Daniel Daneshvar
▲ Janeen Daniels
▲ Cristi Ann DeSocio
Elizabeth Dibble
▲ Joseph Donahue
Byron Drumheller

David Epstein
Tiffany Filippell
Mary Flynn
Jessica Gereige
▲ Emily Gorman
Jessica Gray '12
Shane Hawksworth
Joseph Ho
Jennifer Hsia
Sahil Jain, ENG '07
▲ Zhenghui Jiang
▲ Jami Johnsen
▲ Levon Khojayan
Soroosh Kiani
SueAnn Kim
▲ Michael Kinson
Daniel Kirshenbaum
Dinesh Kurian '15
Karen Kwei
Meaghan Lynch
▲ Jeremy M. Macko
Jeremy Maggin '12

Lisa Mahoney
Regina Meis
▲ Sefanit Mekuria
Lindsay E. Miller
Teresa Mills
▲ Namita Murthy
▲ Harini Naidu
Nimesh Patel
▲ Krista Penta
Andrew Platt
Frederick G. Powell
Suneet Purohit
▲ Dulce P. Quiroz, LAW '99
Jennifer Reske-Nielsen
Brandi N. Ring
Paul Romesser
Iyah Romm '13
▲ Jonah Rubin
Leah N. Schweid
▲ Grace Shen
Ariel Shuckett
Yamin Shwe

▲ Derrick Su
▲ Marcel Tam '15
Sharon Sze Wan Tam
Jeffrey Tan
Joshua T. Thaden
▲ Clare Timbie
○ Matthew Tobey
Loc P. Ton
Sebastian Tong
Zoe Tseng
Antonios J. Tsismenakis
Annappoorani Veerappan
Nisha R. Verma
▲ Maryann Wilbur
Jason Chao Ye
Christine Yu

DEAR ALUMNI FRIENDS,

The annual listing of alumni who contributed to the School during the preceding fiscal year may appear to be simply page after page of names of graduates who have made gifts to the

School. It is something much more than that, though. The report of alumni donors represents the voices of many of our colleagues who are saying in a very tangible way that BUSM is a worthy and valuable investment. And the

very real return on this investment is the outstanding education the School provides, which results in highly prepared graduates who compassionately care for patients and, in some cases, become leaders in our profession. We are deeply grateful for this demonstration of loyalty and commitment to the mission of the School.

All alumni are invited to celebrate Alumni Weekend May 4 and 5, and those who graduated in years ending in 2 and 7, mark your calendars now for your upcoming reunion dinner on May 4! We'll be gathering on the Medical Campus and at the Taj Boston Hotel for a variety of events to help you connect with classmates and the School.

Best regards,

Jean E. Ramsey, MD '90, MPH '08
Assistant Dean for Alumni Affairs
Associate Professor of Ophthalmology

MORE ONLINE: www.bumc.bu.edu/medalumni/events



Members of the Class of 1961, Simon Parisier, Jack Evjy, and Burton White celebrate their 50th Reunion with (from left) Susan Hanley, widow of John Hanley '61, June White and Elaine Parisier.

2011 Reunion Classes Raise Funds for New Student Residence

Do you remember the Medical Campus? Do you recall the lack of creature comforts and trying to find rides back and forth to school? Imagine what life would be like living on campus. Imagine being able to study late at night there in a convenient, safe place.

Knowing that teamwork is critical to modern medical care, Dean Karen Antman has led the effort to build a facility where students can live, study, and socialize together on campus. With the University's support, she has secured funding to build on-campus housing. The new medical school student residence that will become home to 208 first- and second-year medical students will be open to incoming students in the summer of 2012. The residence will feature apartment-style living spaces, both small and large group study rooms, a lounge with a television and a piano, mailboxes, and an exercise room. More than \$1 million has been raised to date from School of Medicine alumni demonstrating support for this initiative. Reunion planning and fundraising started early for the Classes of 1961, 1981, and 1986.

Members of the 50th Reunion Committee for the Class of 1961—Phil Andrews, Phil Arena, Jeanne Arnold, Jack Evjy, George Garcia, Simon Parisier, and Burt White—worked together to make their reunion a memorable event and committed to raising a reunion gift that would create a legacy to be appreciated by future generations of medical students. By raising more than \$121,000, they became the first class to name a suite in the new medical student residence. Richard Cavell led the giving with a donation of \$50,000, with half of the class adding to the gift.

Led by the efforts of M. Elizabeth Oates, members of the Class of 1981 raised more than \$75,000 in gifts and pledges in honor of their 30th reunion. Oates was aided by 30th Reunion Committee members Jay Bachicha, Corey Langer, Mindy Langer, and Dan Romm, who encouraged their classmates to come back and give back.

Alumni Association President N. Stephen Ober led the 25th reunion of his Class of 1986. By invoking the memories of Dean of Students Bill McNary, members of the 25th Reunion Committee—including Joshua Feder, Neal Mandell, and Michael Singer—encouraged their fellow classmates and were successful in raising \$48,000 in gifts and pledges.

Classes celebrating reunions in 2012 (class years ending in 2 and 7) are invited to participate in the medical student residence opportunity. Online contributions can be made at www.bumc.bu.edu/give2busm or sent to the BUSM Alumni Association, 72 East Concord Street, L-120, Boston, MA 02118.

DEAN'S CLUB DINNER—OCTOBER 30, 2010



Left to right: Richard Catrambone '92, Louis Sullivan '58, Barry Manuel '58, and Sophia Catrambone at the Dean's Club Dinner.

2010 Distinguished Alumni Award recipient Christine Hunter '80 with Dr. Aram Chobanian during the Dean's Club Dinner.



Dr. Robert Beazley, John Polk '74, and Cathy Polk enjoy each other's company at the Dean's Club Dinner.

FALL PHONATHONS—OCTOBER 5 AND NOVEMBER 15, 2010

Forty-two alumni and student volunteers raised \$59,465 in pledges from alumni during both evenings of the Phonathon.



Left to right: Stella Lam '13, Kendra Kobrin '13, Steven Lin '13, Ashleigh Menhadji '13, and Andrew Colucci '12 gather for a photo during the Annual Fund Phonathons.



Tiffany Filipell '11 and James Kimbaris '11 share a laugh while volunteering during the Annual Fund Phonathons.

Calendar

2011-2012

MAR
15

Match Day BUSM
Thursday, March 15
Noon
Hiebert Lounge

MAR
23

**Chester S. Keefer, MD
Society Dinner**
Friday, March 23
6 p.m.
Four Seasons Hotel

BUSM Alumni Weekend
Friday & Saturday,
May 4-5
Taj Boston Hotel and
BU Medical Campus

MAY
4-5

**Graduate
Medical Sciences
Commencement**
Friday, May 18

MAY
18

**BUSM
Commencement**
Saturday, May 19

MAY
19

Boston University School of Medicine Alumni Association

Alumni Weekend

May 4-5, 2012

Campus & City-Wide Events Include:

Friday, May 4

- Planned giving open house at the School of Medicine
- Campus experience and lunch at the School of Medicine
- Reunion social hour and individual Class Reunion Dinner Parties

Saturday, May 5

- Catered luncheon and student-led tours of campus
- Dining and dancing at the 137th Annual Meeting and Banquet of the Alumni Association

Reunion Dinners and the Annual Meeting and Banquet to be held at:

Taj Boston

15 Arlington Street, Boston, Massachusetts 02116
617-536-5700

Classes Celebrating Reunions:

2002 - 10th
1997 - 15th
1992 - 20th
1987 - 25th
1982 - 30th
1977 - 35th
1972 - 40th
1967 - 45th
1962 - 50th
1957 - 55th
1952 - 60th

Hotel Information:

Room blocks have been secured at the following hotels:

Taj Boston

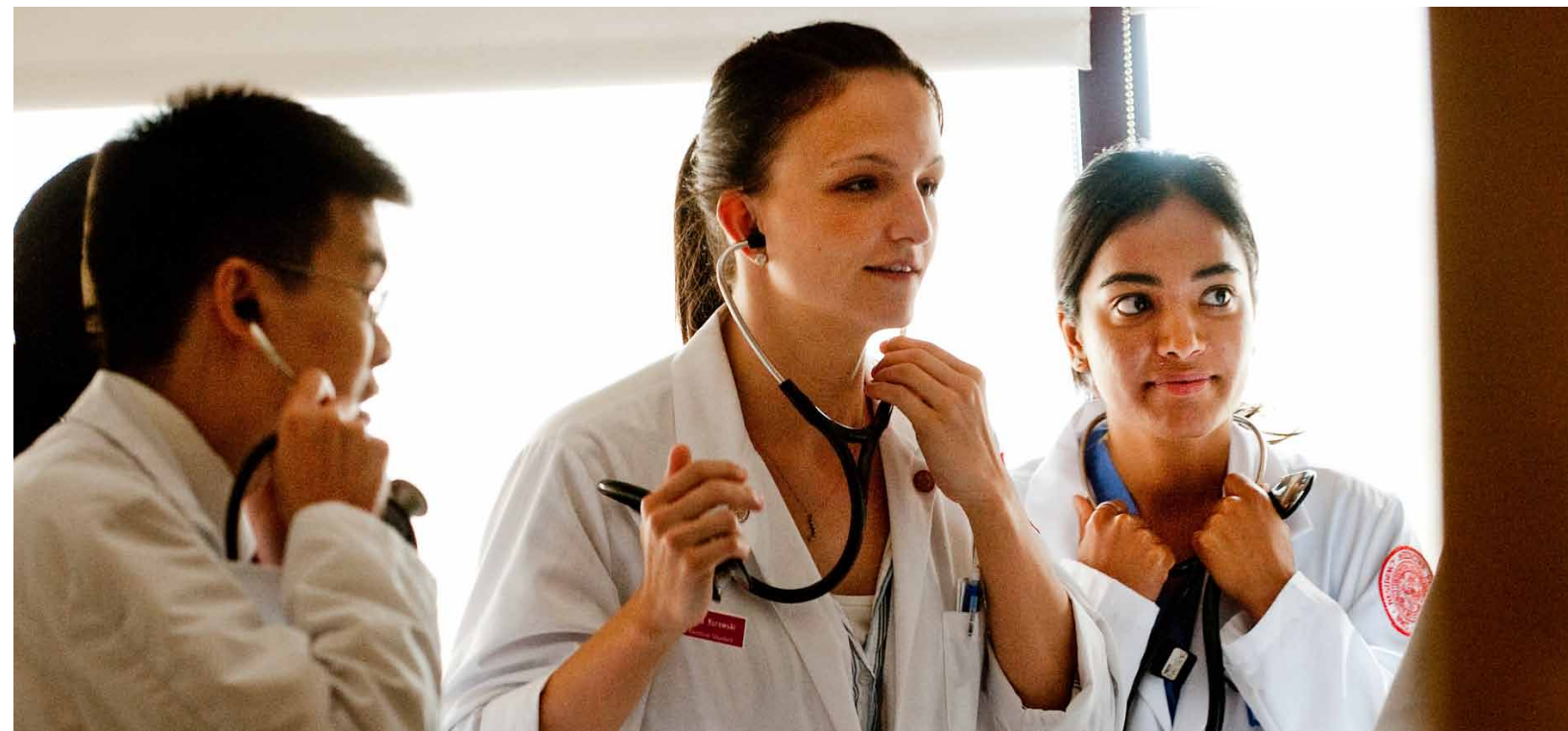
15 Arlington Street, Boston, Massachusetts 02116
617-536-5700
www.tajhotels.com/boston

Hampton Inn & Suites Boston Crosstown Center

811 Massachusetts Avenue, Boston, Massachusetts 02118
617-445-6400
www.bostonhamptoninn.com

 **MORE ONLINE:** www.bumc.bu.edu/medalumni/events/aw

Boston University Planned Giving



When you **plan** ahead,
here is what we **plan** to do

With your planned gift to Boston University School of Medicine, we can:

- Provide much-needed scholarship assistance
- Support more cutting-edge research
- Serve our students, faculty, researchers, patients—and the world—more effectively

Boston University School of Medicine can help you create a philanthropic strategy that fits your unique interests and financial situation. Once you know all the possibilities, you may discover that you can have a greater impact than you ever imagined.

Ready to start the conversation? We want to hear from you. For more information, contact Assistant Dean Karen Ann Engelbourg at 617-638-4560 or engelbou@bu.edu.

→ You can also visit our website at www.bu.edu/supportingbusm.

**BOSTON
UNIVERSITY**



Boston University School of Medicine

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Boston, Massachusetts 02118

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