CUMC CELEBRATES acknowledges faculty, staff, and students at Columbia University Medical Center who receive grants and major awards, who are elected to honorary societies, or who take leadership positions in professional organizations. Celebrates also gratefully acknowledges the gifts made by donors and friends of the Medical Center. The final two pages of Celebrates highlight CUMC faculty who have been in the news in the past several weeks.

FEDERAL RESEARCH GRANTS

COLLEGE OF PHYSICIANS AND SURGEONS

Claudia Chiriboga, MD, Departments of Neurology and Pediatrics, has received $1.1 million over three years from the Department of the Army, Medical Research and Material Command for “Columbia SMA Project: 4-AP as a Potential SMA Therapeutic Agent and Biological Mechanisms of Action.”

Andrew Einstein, MD, PhD, Department of Medicine/Cardiology, has received $2.6 million over five years from the National Heart, Lung, and Blood Institute for “PROMISE Trial: A Substudy to Assess for Effective Dose of Radiation.”

Dawn Hershman, MD, Herbert Irving Comprehensive Cancer Center, has received $2.6 million over five years from the National Center for Complementary and Alternative Medicine for “Acupuncture of Aromatase Inhibitor Related Arthralgias in Breast Cancer Patients.”

George Mentis, PhD, Department of Pathology & Cell Biology, has received $1.6 million over five years from the Department of Defense for “The Loss of Proprioception as a Mechanism Underlying the SMA Phenotype.”

Neil Shneider, MD, Department of Neurology, has received $1.7 million over five years from the National Institute of Neurological Disorders and Stroke for “FUS/TLS Gain and Loss of Function in ALS: Animal and Cellular Models of Disease.”

Ming Zhou, PhD, Department of Physiology & Cellular Biophysics, has received $1.2 million over four years from the National Institute of General Medical Sciences for “Structure and Function of a Phosphorylation Coupled Saccharide Transporter.”

Charles Zuker, PhD, Department of Biochemistry & Molecular Biophysics, has received $1.7 million over five years from the National Institutes of Health/DHHS for “GFP Reconstitution Across Synaptic Partners (GRASP) Methods to Dissect Mammalian Neural Circuits.”

MAILMAN SCHOOL OF PUBLIC HEALTH

Margaret Kruk, MD, Department of Health Policy & Management, has received $3.8 million over five years from the National Institute of Allergy and Infectious Diseases for “Improving Maternal and Newborn Health Using the HIV/AIDS Program Platform in Tanzania.”
FEDERAL RESEARCH GRANTS

MAILMAN SCHOOL OF PUBLIC HEALTH

Bruce George Link, PhD, Department of Epidemiology, has received $1.9 million over four years from the National Institute of Mental Health for “A School-Based Intervention to Reduce Stigma and Promote Mental-Health Service Use.”

W. Ian Lipkin, MD, Center for Infection & Immunity, has received $2 million over one year from the Department of the Army for “Rapid Identification of Unknown Pathogens.”

Manuela Orjuela, Department of Environment Health Sciences, has received $383,018 over two years from NIH for “Household Naphthalene Exposure: Chromosomal Aberrations in Poor Urban School Children.”

PHILANTHROPIC GIFTS
(Gifts received since August 15, 2011)

COLLEGE OF PHYSICIANS AND SURGEONS

A $10 million bequest will provide funding for an endowed professorship in the Taub Institute for the study of Alzheimer’s Disease and the Aging Brain. The bequest will also provide a core endowment to support research on the causes, progression and prevention of degenerative brain diseases.

The Parkinson’s Disease Foundation, Inc. made a payment of $423,225 toward a grant of $1,692,900 to advance clinical research in the Department of Neurology.

A donor made a gift of $100,000 to the Department of Medicine to support refurbishment of the Toni Stabile Osteoporosis Center.

The Accademia Charitable Foundation made a gift of $100,000 to support research at the Carmen and John Thain Center for Prenatal Pediatrics in the Department of Obstetrics and Gynecology.

A commitment of $100,000 will support the Day Treatment Fund in the Department of Psychiatry.

A gift of $500,000 will support the Day Treatment Fund in the Department of Psychiatry.

COLLEGE OF DENTAL MEDICINE

A bequest of $217,600 will support research at the College of Dental Medicine.
AWARDS & HONORS

COLLEGE OF PHYSICIANS AND SURGEONS

**Julie Canman**, PhD, Department of Pathology and Cell Biology, and **Uttiya Basu**, PhD, Department of Microbiology and Immunology, have received the 2011 NIH Director’s New Innovator Award.

**Rita Charon**, MD, PhD, Professor of Clinical Medicine, received the 2011 Alma Dea Morani Award from the Foundation for the History of Women in Medicine.

**Janice Cutler**, MD, Department of Psychiatry, has been elected President of the Association of Directors of Medical Students Educators in Psychiatry.

MAILMAN SCHOOL OF PUBLIC HEALTH

**Quarraisha Abdool Kari**, PhD, Department of Clinical Epidemiology, has received the Distinguished Woman in Science Award in the Life, Natural and Engineering Sciences for 2011 from the South African government Department of Science and Technology.

**Salim Abdool Karim**, MD, PhD, Department of Clinical Epidemiology, has received the Award for Outstanding Senior African Scientist for 2011 from the European & Developing Countries Clinical Trials Partnership (EDCTP).

**Barbara Barlow**, MD, Department of Psychiatry, has received the 2011 CDC Foundation Hero Award by the CDC Foundation.

**Linda P. Fried**, MD, has received the Silver Innovator Award from the Alliance for Aging Research.

SCHOOL OF NURSING

**Patricia W. Stone**, PhD, FAAN, has been named Centennial Chair of Health Policy by the Columbia University Board of Trustees.

SCHOOL OF DENTAL MEDICINE

**Thomas J. Cangialosi**, DDS, has been named Commissioner representing the specialty of Orthodontics and Dentofacial Orthopedics on the Commission on Dental Accreditation, American Dental Association.
THE IRVING AWARDS

As part of its mission to transform the culture of biomedical research, accelerate the discovery of new treatments, and train the next generation of research investigators, the Irving Institute for Clinical and Translational Research, home to Columbia University’s Clinical and Translational Science Award (CTSA), funds pilot programs and career development initiatives. The Irving Institute is proud to announce the selection of award recipients, scholars, and trainees for these programs:

IRVING INSTITUTE/CLINICAL TRIALS OFFICE PILOT AWARDS

Co-sponsored by the Clinical Trials Office with each award recipient's home department providing matching funds, this program provides one-time $50,000 awards for junior faculty from the College of Physicians and Surgeons to conduct pilot studies needed for future independent funding. The 16 recipients of the 2011 Irving Institute/Clinical Trials Office pilot awards are:

Susanne E. Ahmari, MD, PhD, Assistant Professor of Clinical Psychiatry, “Using Optogenetic Technology to Test Involvement of Orbitofrontal Cortex Pathology in Obsessive Compulsive Disorder.”

Anjali Ganda, MD, MS, Instructor in Clinical Medicine, “HDL-Mediated Cholesterol Efflux, Monocytosis, and Accelerated Atherosclerosis in Patients with Chronic Kidney Disease.”

Laura Geraldino, MD, Instructor in Clinical Medicine, “Anti-Citrullinated Peptide Antibodies: Surrogate Markers of Cardiac Dysfunction and/or Atherosclerosis in Rheumatoid Arthritis Patients?”

Kevin Kalinsky, MD, Assistant Professor of Clinical Medicine, “The Investigation of the Novel AKT Inhibitor on Magnetic Resonance Spectroscopy in Women with Operable Invasive Breast Cancer.”

Joshua Kantrowitz, MD, Assistant Professor of Clinical Psychiatry, “NMDA and Cognitive Remediation in Schizophrenia.”

Krzysztof Kiryluk, MD, MS, Assistant Professor of Clinical Medicine, “Genetic Causes of IgA Nephropathy by Next Generation Sequencing.”

David K. Leung, MD, PhD, Assistant Professor of Clinical Radiology, “Functional Imaging in Pancreatic Cancer: Investigations of a New Tumor Specific PET Radiotracer.”

Julian Mackay-Wiggan, MD, MS, Assistant Clinical Professor of Dermatology, “A Randomized Placebo Controlled Study of IL Triamcinolone Acetonide in the Treatment of Alopecia Areata and Investigation of Biomarkers in Patients with Alopecia Areata.”

Catherine Monk, PhD, Associate Professor of Clinical Psychology, Department of Psychiatry and OB/GYN, “Electrophysiological Development in Toddlers of Adolescent Mothers: Association with Maternal Antenatal Stress and Nutrition.”
THE IRVING AWARDS

John P. Morrow, MD, Assistant Professor of Medicine, “PKG Activation to Protect Against Arrhythmias in Animal Models of LQTS and Diabetic Cardiomyopathy.”

Gabrielle Page-Wilson, MD, Instructor in Clinical Medicine, “Treatment of Hyperprolactinemia with the Non-ergoline Dopamine Agonist Ropinirole: A Dose Escalation Study of Efficacy and Tolerability.”

Paul J. Planet, MD, PhD, Assistant Professor of Pediatrics, Department of Pediatrics, “Adaptation of MRSA to Ethanol-Based Microbicides: Impact of a Novel Alcohol Dehydrogenase (AdhC) on Epidemiology and Virulence.”

Tara M. Randis, MD, Assistant Professor of Pediatrics, “New Approaches to Prevention of Neonatal Group B Streptococcal Disease.”

Igor Shuryak, MD, PhD, Associate Research Scientist, Center for Radiological Research, “Low Dose Prophylactic Mammary Irradiation to Reduce Contralateral Second Breast Cancer Risks.”

Douglas M. Sproule, MD, Assistant Professor of Neurology, “Body Composition, Nutrition and Energy Utilization in Spinal Muscular Atrophy.”

Anette Wu, MD, MPH, Associate Research Scientist, Department of Medicine, “Induction of Liver Allograft Tolerance through Bone Marrow Transplantation: Translational Pre-Clinical Pilot Study in Monkeys.”

COLLABORATIVE AND MULTIDISCIPLINARY PILOT RESEARCH (CaMPR) AWARDS
A two-phase program that provides planning and start-up funds to newly configured, multidisciplinary investigative teams to support the planning of novel, multidisciplinary projects. The three recipients of the CaMPR awards are:

Katherine D. Crew, MD, MS (PI), Florence Irving Assistant Professor of Medicine and Epidemiology, with Heather Greenlee, ND, PhD (Co-PI), Assistant Professor of Epidemiology and Medicine, “Breast Cancer Family-based Intervention Trial (BFIT): Implementing Strategies for Breast Cancer Prevention in High-Risk Women.”

Diana M. Martinez, MD (PI), Associate Professor of Clinical Psychiatry, “Progress in Molecular Imaging: Using Nanoparticles to Image Cellular Targets.”

Joshua Sonett, MD, FACS (PI), Professor of Clinical Surgery and Gordana Vunjak-Novakovic, PhD (Co-PI), Professor of Biomedical Engineering, “Cellular Repopulation and Orthotopic Transplantation of a Bioengineered Lung.”

*All three CaMPR projects have multiple co-investigators who could not be listed due to space constraints.
THE IRVING AWARDS

CTSA FELLOWS PROGRAM
Provides financial support to enable investigators to take creative risks in expanding their own investigative work. The four CTSA Fellows are:

Cheryl Corcoran, MD, MS, Assistant Professor of Clinical Psychiatry, “Personalized Prevention Across Medicine: A Translational Approach.”

Heather Greenlee, ND, PhD, Assistant Professor of Epidemiology and Medicine, “Translational Resources for Health Promotion and Chronic Disease Prevention Research.”

Yun-Hsin Claire Wang, MD, ScD, Assistant Professor of Health Policy and Management, “Enhancing CTSA’s Methodological Infrastructure Through a Multidisciplinary Modeling Core.”

Jennifer P. Wisdom, PhD, MPH, Associate Professor of Clinical Psychiatry, “Mentoring Among Peers: Guided Peer Mentoring for Translational Research.”

CER-STAT (COMPARATIVE EFFECTIVENESS RESEARCH: SUMMER TRAINING IN APPLICATIONS AND TECHNIQUES)
The American Recovery and Reinvestment Act (ARRA) funded this one-time opportunity, offered by the Irving Institute and the Mailman School of Public Health, to help young investigators learn designs and strategies for CER that will give them the skills to successfully pursue novel research and independent funding opportunities. The selected CER-STAT trainees are:

Nahid Bhadelia, MD, Postdoctoral Fellow, Department of Medicine, “Evaluation of Infection Control Practices in Preventing Health Care Associated Transmission of Tuberculosis by Population Prevalence and Modeling the Role of Nucleic Acid Amplification Techniques (NAATs) in Improving Cost Effectiveness and Resource Utilization of These Practices in the United States.”

Elizabeth Cohn, DNSc, Assistant Professor of Nursing, “Autism Speaks, Harlem Listens.”

Irene Epelboym, MD, Postdoctoral Research Fellow, Department of Surgery, “Surgical Outcomes After Laparoscopic Cholecystectomy.”

Abbey Fingeret, MD, Postdoctoral Clinical Fellow, Department of Surgery, “The Role of the Enteric Nervous System in Regulation of Intestinal Adaptation.”

Minjae Kim, MD, Assistant Professor, Department of Anesthesiology, “Using Anesthesia Information Management Systems to Improve Quality: Intraoperative Predictors of Post-Operative Acute Kidney Injury.”
THE IRVING AWARDS

Teresa Lee, MD, Postdoctoral Clinical Fellow, Department of Pediatrics, “Whole Exome Sequencing to Identify Novel Genetic Causes of Infantile Cardiomyopathy.”

Stephanie Lovinsky-Desir, MD, Postdoctoral Clinical Fellow, Department of Pediatrics, “Evaluation of Changes in DNA Methylation in Adolescents With Asthma.”

Margaret McNairy, MD, Associate Research Scientist, International Center for AIDS Care and Prevention (ICAP), “The Impact of PEPFAR’s Investment in Laboratory Systems on the General Population.”

Hilary Robbins, MD, Assistant Professor of Clinical Medicine, “Treatment Effect of Immunosuppression in Patients with Nonspecific Interstitial Pneumonia (NSIP).”

Gregg Rosner, MD, Postdoctoral Clinical Fellow, Department of Medicine, “Impact of Incomplete Coronary Revascularization on One-Year Outcomes After Percutaneous Coronary Intervention in Acute Coronary Syndromes: The ACUITY Trial.”

Amber Samuel, MD, Postdoctoral Clinical Fellow, Department of Obstetrics and Gynecology, “Fetal Fibronectin for the Prediction of Preterm Birth in Late Preterm Gestation.”

Lee Shearer, MD, Postdoctoral Clinical Fellow, Department of Pediatrics, “De-Stigmatizing HSV Infection Through Brief YouTube Videos: Perceptions of an Australian Youth Population.”

Alexander Shtilbans, MD, PhD, Postdoctoral Clinical Fellow, Department of Neurology, “Gene Expression Analysis in Patients With Amyotrophic Lateral Sclerosis and Multifocal Motor Neuropathy.”

Arun Swaminath, MD, Assistant Professor of Clinical Medicine, “An Exploratory Study of Milk Thistle as Adjunct Therapy in the Treatment of Mildly Active Ulcerative Colitis.”

Christine Trapp, MD, Postdoctoral Clinical Fellow, Department of Pediatrics, “Differences in Immune Profiles Between ‘Metabolically Healthy but Obese’ Children Compared to Their ‘Metabolically Unhealthy Obese’ Counterparts: A Pilot Study.”

Joseph Underwood, MD, Assistant Clinical Professor of Medicine, “Evaluation of a Point-of-Care Lactate Measurement Device in Adult ED Patients With Sepsis.”
THE IRVING AWARDS

KM1 IMMERSE IN CER AWARD FOR JUNIOR FACULTY
Administered in conjunction with the Mailman School of Public Health, this ARRA-funded master’s degree program provides grant writing support, interdisciplinary research and education, career development colloquia, and mentoring. The KM1 IMMERSE in CER trainees are:

Jacob Ballon, MD, Assistant Professor of Clinical Psychiatry, “Quantitative Assessment and Comparison of Metabolic Changes in Adults Taking the Antipsychotic Medications Iloperidone or Olanzapine.”

Dana Blumberg, MD, MPH, Assistant Professor of Clinical Ophthalmology, “Screening for Glaucoma in High Risk Populations Using Optic Coherence Tomography.”

Donald Edmondson, PhD, Assistant Professor of Behavioral Medicine, “Emergency Department Crowding, PTSD, and Recurrence in ACS Patients.”

Elizabeth Jackson, PhD, Assistant Professor of Population and Family Health, “Public Health Impact in the Context of the Health System.”

Christine Rohde, MD, Assistant Professor of Clinical Surgery, “The Impact of Breast Reconstruction on Post-Traumatic Stress Disorder and Psychosocial Function After Mastectomy for Breast Cancer.”

Bekir Tanriover, MD, Assistant Professor of Clinical Medicine, “Identification of Risk Factors of Allograft Failure and Patient Mortality in Deceased Donor Expanded Criteria Kidney Donor Transplantation (ECD), Optimization of Donor Recipient Matching and Cost Effectiveness Analysis in ECD.”

KL2 MENTORED CAREER DEVELOPMENT PROGRAM
Serves as a “bridge” by which young junior faculty can achieve research independence. The 2011 KL2 scholars are:

Benjamin Lebwohl, MD, Assistant Professor of Clinical Medicine, “Quality Issues in the Diagnosis of Celiac Disease.”

Elizabeth Verna, MD, Assistant Professor of Clinical Medicine, “Serum Lipopolysaccharide Measurement to Predict Hepatic Fibrosis in Liver Transplant Recipients With Hepatitis C.”
THE IRVING AWARDS

TL1 CLINICAL OR TRANSLATIONAL EDUCATION CERTIFICATE PROGRAM
Provides predoctoral students with two parallel training paths to further enhance clinical and translational predoctoral training at CUMC. The 2011 TL1 trainees are:

Dana Alessi, Doctoral Student, Cellular, Molecular and Biophysical Studies, “In Vivo Aspects of Diseases Associated With Protein Misfolding.”

Ambar Grijalva, Doctoral Student, Nutritional and Metabolic Biology, “Simian Immunodeficiency Virus Containing HIV Integrase.”

Meghan Work, MPH, Doctoral Student, Department of Epidemiology, “Breast Cancer Risk Factors and Intermediate Makers and Associations With Tumor Characteristics.”

REACH FOR THE FIRST R01 COURSE
Provides training to a select group of investigators preparing to submit their first R01 grant applications. The trainees selected for the Spring 2011 Reach for the R01 course are:

Julian Abrams, MD, MS, Assistant Professor of Medicine

Srilaxmi Bearelly, MD, Assistant Professor of Ophthalmology

Adi Cohen, MD, MHS, Florence Irving Assistant Professor of Clinical Medicine

Yunsuo Duan, PhD, Assistant Professor of Clinical Psychiatry

Kimberly Noble, MD, PhD, Assistant Professor of Pediatrics
CUMC MEDIA HIGHLIGHTS

The New York Times

Staying With Children, and Out of Prison By Liz Robbins, September 21, 2011
Drew House is the first program of its kind in New York State, and, according to researchers at Columbia University, the only one in the nation where women charged with felonies, some battling substance abuse and some who are victims of domestic violence, can live with their school-age children in a nonsecured facility.

Viral Theory Is Set Back in Chronic Fatigue Study By David Tuller, September 23, 2011
Dashing the hopes of many people with chronic fatigue syndrome, an eagerly awaited study coordinated by government health agencies has not confirmed a link between the illness and a virus called XMRV or others from the same class of mouse leukemia viruses. Vincent Racaniello, a microbiology professor at Columbia University who has covered the controversy on his popular virology blog, said the XMRV/M.L.V. hypothesis was now dead.

“I admit I was wary when I was approached, late in 2008, about working on a movie with the director Steven Soderbergh about a flulike pandemic. Moviegoers might find fantasies like these entertaining, but for a microbe hunter like me, who spends his days trying to identify the viruses that cause dangerous diseases, the truth about the potential of global outbreaks is gripping enough.”

WALL STREET JOURNAL

Applying Venture Philanthropy to Chronic Fatigue Syndrome By Amy Dockser Marcus, September 15, 2011
Venture philanthropy — the model used to accelerate research and drug development in diseases such as multiple myeloma and cystic fibrosis — is now being applied to a new arena: chronic fatigue syndrome. The first group of funded projects includes the enrollment of 200 CFS patients at different sites around the country.

Scientists Retreat on Chronic-Fatigue Theory By Amy Dockser Marcus, September 23, 2011
The authors of a controversial 2009 paper that found a possible link between the retrovirus XMRV and chronic-fatigue syndrome partly retracted their findings, though some of them still believe there is a connection between a retrovirus and the disease.

CRAIN’S NEW YORK BUSINESS

White-collar 9/11 Traumatic Stress Seen By Gale Scott, September 9, 2011
Post-traumatic stress disorder is a known job hazard for rescue workers and soldiers, who can develop debilitating psychological symptoms after witnessing horrific events. But a new study assessing the impact of the Sept. 11, 2001 attacks on survivors has discovered a 35% rate of PTSD in white collar workers and other civilians who worked in the World Trade Center and nearby offices when terrorists destroyed the buildings.
OB/GYN Guidelines Often Based on Opinion, Weak Data By Frederik Joelving, September 16, 2011
Solid evidence is often missing from the practice guidelines used by obstetrician-gynecologists across the U.S., a new study shows. Dr. Jason D. Wright of Columbia University in New York and colleagues went through 717 practice recommendations from ACOG, the nation's leading group of ob-gyns.

Study: Binge Drinking Is on the Rise Among Women By Erin Skarda, September 22, 2011
According to new research from Columbia University's Mailman School of Public Health, women born after World War II are now binge drinking more than their ancestors, and almost as much as their male counterparts.

Health Buzz: Smoking Rate Drops Drastically in New York By Angela Haupt, September 16, 2011
The number of cigarette smokers in New York City has dropped to an all-time low, suggesting that an aggressive anti-smoking campaign launched by Mayor Michael Bloomberg nearly a decade ago is working. In 2010, *U.S. News* spoke to clinical psychologist Daniel Seidman, director of smoking cessation services at Columbia University Medical Center, about his book *Smoke-Free in 30 Days: The Pain-Free, Permanent Way to Quit*.

With Watson, IBM Seeks to Sell Medical Knowledge By Brian Bergstein, September 21, 2011
As medicine grows more complex, doctors are about to get an ambitious new assistant: the IBM computing system that defeated humans on "Jeopardy!" Herbert Chase, a professor of clinical medicine at Columbia University, is working with IBM to turn Watson into a diagnostic advisor.