We dedicate this year’s report to our faculty awardees, our dedicated nursing staff and Dr. Balakrishnan.
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MESSAGE FROM THE CHIEF

Welcome to our 13th Annual Report. This year’s report summarizes our endeavors in the areas of administration, patient care, research, education, and policy. 2014 was another good year for the Division – with many celebrations of our accomplishments. Beginning on page 3, we introduce 4 new Division babies born this year, and have pictures of many award celebrations along with retirements of long-term Division members.

This year was the end of an era. Nurses Alice Martin, Peachy Simon, Connie Bruno, and Debbie VanAllen retired after more than 30 years of service at Tufts MC and DCI. Patient service coordinator Helen Freedman retired after 28 years at Tufts MC. We will miss their flawless competence, kindness, dedication to the patients, commitment to teamwork, reliability, and fun-loving spirit. They have been our teachers and partners in the care of our patients, and their contributions have been invaluable. They have earned their place alongside the “giants” in the history of our Division.

It was a great year for awards and recognition to Division members. Klemens Meyer received the Distinguished Faculty Award from TUSM (pages 4 and 56); Dan Weiner and Madhumathi “Madhu” Rao were promoted to Associate Professor; Ron Perrone was honored by the PKD Foundation as its Physician of the Year, and the NKF honored Ron Perrone, Katrin Uhlig and Mark Sarnak at the Spring Clinical Meeting (pages 23 and 24). Deb Mitchell-Dozier received 2 nursing honors (page 6), including the prestigious National Nursing Excellence GEM Award in the Home, Community and Ambulatory Care category. Two Fellows had their work recognized at the ASN (page 46) and were invited to present their abstracts. Pranav Garimella won the Top Oral Abstract by a Trainee and Osama Amro was chosen by the ASN Fellows’ Subcommittee to give an oral presentation at the Fellows’ Poster Discussion Session. Scott Gilbert received the Outstanding Teaching Award and the Top Lecturer Award from TUSM students. The HALT-PKD study finished and Ron Perrone and Dana Miskulin were part of the investigator team that published the study results in the *New England Journal of Medicine*. Lesley Inker and I, together with colleagues from Tufts, Johns Hopkins, and the University of Utah, published the workshop report and original investigations from the NKF-FDA Scientific Workshop on “GFR Decline as an End Point Clinical Trials in Chronic Kidney Disease“ in the *American Journal of Kidney Diseases*. I was recognized as a highly influential researcher as determined by Thomson Reuters (page 45). Once again, Ron Perrone, Mark Sarnak, Klemens Meyer, and I were recognized among Boston’s “Top Doctors” in the December 2014 issue of Boston Magazine.

We are undergoing other transitions in our Tufts MC and off-site practices. Madhu Rao has assumed primary responsibility at Emerson Hospital in Concord following the departure of Valerie Price at the end of 2013. Madhu is now the Medical Director at DCI Walden Pond. Alin
(John) Joseph replaced Gautham Viswanathan after the completion of his 2-year term in assisting Tony Dash and Madhu. In January, we said a sad farewell to V. “Bala” Balakrishnan, a member of our Division since 1997 when he started as a fellow, and wish him well as he only moves a short distance down the road to St. Elizabeth’s Medical Center to replace Geetha Narayan, who is retiring after 31 years. We are looking forward to Seth Wright, currently a senior research fellow, joining the faculty in July. Xun Liu, a visiting scientist from Guangzhou, China, departed after completing his 1-year sabbatical at Tufts. My special thanks to Geneva Tucker, our Division administrator, for her expert assistance in managing these transitions. In other news, Nicolaoas Madias announced that he will be stepping down from his position as Chair of Medicine at St. Elizabeth’s Medical Center after 10 years once a replacement is found. Meanwhile, other things have not changed. Jerry Kassirer and John Harrington attend “Mega Rounds” on Friday afternoons, now known as “Harrington Rounds”.

Clinical volume was steady here and at our off-site practices (a major accomplishment in this ever-more competitive environment), with continued growth in the Home Dialysis Program at DCI Somerville. Tufts Medical Center highlighted our work as part of a new branding campaign that was released in 2014 (page 25). Research funding was down in 2014 (a continuing national trend), but publications were strong (a total of 68 print and 19 epubs). We are fortunate to provide support for new research projects of fellows and junior faculty using Division philanthropic funds (pages 58-67) and DCI research funds. We continue to rely on funds from the Friedman endowed chair and thank the donors of charitable contributions to the Schwartz, Harrington, and Inker Funds. We are pleased to announce the new Driscoll Family Fund in Nephrology. We greatly appreciate these contributions, as the funds provide necessary assistance to continue our mission.

Lastly, we’re pleased to announce that we have launched a Facebook page to help current and past Division members stay in touch with each other. To join, search Facebook for William B Schwartz Division of Nephrology at Tufts Medical Center and click the green box + Join Group.

Once again, I thank Dr. Richardson for preparing this year’s Annual Report and for managing our website. I hope you enjoy learning about our activities, and as always, I welcome your feedback. We wish you and your family a happy and successful 2015!

Sincerely yours,

Andrew S. Levey, MD
Chief, William B. Schwartz Division of Nephrology
Tufts Medical Center
Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine
Tufts University School of Medicine
DIVISION FAMILY TREE

2014 Additions

The Division family continued to grow in 2014, with 4 more babies being born to Division members. In the past 8 years, 39 babies have joined the Division. With only girls born this year, the count is nearly even — Boys 20; Girls 19.

Miranda Ruth (Mira) born to Lesley & Ben Inker
Joined big brother Alex
April 3rd at 5:25 pm; 6 lbs 12 oz, 20 inches

Maya Michelle born to Liz Cruz
June 29th at 1:50 am; 9 lbs 15 oz, 21.5 inches

Reem Lena born to Hasnaa Moussaif & Marouane Fadili
December 1st at 4:43 pm; 6 lbs 2 oz, 20 inches

Samantha Lynn born to Jenn Trignano & Jarod Beeh
December 2nd at 11:37 pm; 5 lbs 10.7 oz, 19.5 inches
In May, Klemens B. Meyer, MD received the TUSM Distinguished Faculty Award. (See page 56 for more details.)
Retirements of Long-term Caregivers

Several long-term caregivers retired this year (see page 19 for details).
NURSING HONORS

Debbie Mitchell-Dozier had a banner year in 2014. In February, she received the New England Regional Black Nurses Association Excellence in Nursing Practice Award which recognizes Black nurses who consistently excel in their profession and specialty areas. The remainder of the year was spent receiving higher and higher awards from Nursing.com GEM awards. See page 35 for the details.
The William B. Schwartz Division of Nephrology is comprised of full-time and part-time physicians and scientists and staff to support our clinical, research, educational and administrative endeavors. The Division is an integral part of the Tufts Medical Center, Tufts University School of Medicine (TUSM), and Tufts University communities. As listed in the Staffing section, many Division members have other appointments within Tufts Medical Center, TUSM, and the Sackler School of Graduate Biomedical Sciences at Tufts University. In addition, the Division also enjoys a close and long-term relationship with Dialysis Clinic, Inc. (DCI), the largest not-for-profit provider of dialysis care in the United States and the National Kidney Foundation (NKF). In a broader organizational structure, Division members are also active participants within their professional organizations. Through these relationships, the Division is able to provide excellent patient care, perform high-level research, educate students and practitioners about kidney disease, and influence public policy relating to the diagnosis and treatment of kidney diseases.
Location

The Division maintains off-site and on-site ambulatory, dialysis, and inpatient operations, with administrative and research operations located within the Tufts Medical Center campus. The location of activities performed both on-site at Tufts Medical Center and at off-site affiliates are listed in Table 1 and Table 2, respectively.

Table 1: On-site Locations of Division Activities at Tufts Medical Center

<table>
<thead>
<tr>
<th>Building</th>
<th>Floor</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 Kneeland Street</td>
<td>1&lt;sup&gt;st&lt;/sup&gt;</td>
<td>American Journal of Kidney Diseases Editorial Offices</td>
</tr>
<tr>
<td></td>
<td>4&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Kidney and Blood Pressure Center (KBPC) and KBPC Staff</td>
</tr>
<tr>
<td></td>
<td>5&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Outpatient dialysis services provided by DCI</td>
</tr>
<tr>
<td></td>
<td>5&lt;sup&gt;th&lt;/sup&gt; &amp; 6&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Division support operations and physician and research staff offices</td>
</tr>
<tr>
<td>Ziskind</td>
<td>7&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Dr. Balakrishnan’s research lab</td>
</tr>
<tr>
<td>Floating</td>
<td>7&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Inpatient dialysis services provided by DCI</td>
</tr>
<tr>
<td>North</td>
<td>7&lt;sup&gt;th&lt;/sup&gt;</td>
<td>Primary location for inpatient ward service</td>
</tr>
</tbody>
</table>

Table 2: Off-site Clinical Nephrology Activities Affiliated with Tufts Medical Center

<table>
<thead>
<tr>
<th>Physicians</th>
<th>Off-site Practices</th>
<th>Services Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>V. Balakrishnan, MD, PhD</td>
<td>• Pratt Medical Group Nephrology and Hypertension Concord MA</td>
<td>• Outpatient nephrology</td>
</tr>
<tr>
<td>Michael B. Cohen, MD</td>
<td>• Emerson Hospital Concord MA</td>
<td>• Inpatient consultation and dialysis services</td>
</tr>
<tr>
<td>Anthony Z. Dash, MD</td>
<td>• DCI Walden Pond Concord MA</td>
<td>• Outpatient dialysis services</td>
</tr>
<tr>
<td>Alin A. Joseph, MD, MS</td>
<td>• Reading MA and hospital-based clinics at Lawrence Memorial in Medford MA, Melrose-Wakefield in Melrose MA and St. Elizabeth’s Medical Center in Brighton MA</td>
<td>• Outpatient nephrology</td>
</tr>
<tr>
<td>Klemens B. Meyer, MD</td>
<td>• St. Elizabeth’s Medical Center, Kindred in Boston MA, Lawrence Memorial, Melrose-Wakefield, Whidden in Everett MA, and Winchester hospitals</td>
<td>• Inpatient consultation and dialysis services</td>
</tr>
<tr>
<td>Dana C. Miskulin, MD, MS</td>
<td>• DCI Ball Square in Somerville MA, St. Elizabeth’s Medical Center, Malden, Medford, Saugus, Stoneham, and Woburn dialysis units</td>
<td>• Outpatient dialysis services</td>
</tr>
<tr>
<td>Madhumathi Rao, MD, PhD</td>
<td>• DCI Ball Square in Somerville MA, St. Elizabeth’s Medical Center, Malden, Medford, Saugus, Stoneham, and Woburn dialysis units</td>
<td>• Outpatient dialysis services</td>
</tr>
<tr>
<td>Gautham Viswanathan, MD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daniel E. Weiner, MD, MS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Staffing

## Physician Staff
Andrew S. Levey, MD, FNKF, Chief
Ronald D. Perrone, MD, FASN, FNKF, Associate Chief
V. S. Balakrishnan, MD, MRCP, PhD
Michael B. Cohen, MD
Anthony Z. Dash, MD
Scott J. Gilbert, MD, FASN
Lesley A. Inker, MD, MS, FRCP(C)
Amy B. Kuhlik, MD
Alin A. Joseph, MD, MS
Klemens B. Meyer, MD
Dana C. Miskulin, MD, MS, FRCP(C)
Monika Pilichowska, MD, PhD
Madhumathi Rao, MD, PhD, FRCP(E)
Mark J. Sarnak, MD, MS, FASN
Gautham Viswanathan, MD, MS
Daniel E. Weiner, MD, MS, FASN, FNKF
Seth Wright, MD

Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine
Associate Professor of Medicine
Assistant Professor of Medicine
Assistant Professor of Medicine
Associate Professor of Medicine
Associate Professor, Tisch College, Tufts University
Associate Professor of Medicine
Assistant Professor of Medicine
Assistant Professor of Medicine
Clinical Instructor
Professor of Medicine
Associate Professor of Medicine
Assistant Professor of Pathology
Associate Professor of Medicine
Associate Professor, Department of Public Health and Community Medicine
Professor of Medicine
Instructor of Medicine
Associate Professor of Medicine
Instructor of Medicine

## Special and Scientific Staff
Meredith C. Foster, ScD, MPH
Michelle M. Richardson, PharmD, BCPS

Research Assistant Professor of Medicine
Assistant Professor, Department of Public Health and Community Medicine
Assistant Professor of Medicine

## Associate Physician Staff
Bertrand L. Jaber, MD, MS, FASN, FNKF
Nicolaos E. Madias, MD, FASN

Professor of Medicine
Vice Chair for Clinical Affairs
Department of Medicine
St. Elizabeth’s Medical Center

Maurice S. Segal, MD Chair in Medicine
Chairman, Department of Medicine
Academic Dean of TUSM
St. Elizabeth’s Medical Center

## Adjunct Physician Staff
Carmen Castaneda-Sceppa, MD, PhD
Miguel Cendoroglo, MD

Associate Professor
Director, Graduate Program in Exercise Science
Northeastern University

Associate Professor of Medicine, Division of Nephrology
Federal University of Sao Paulo
Medical Director and Superintendent
Hospital Israelita Albert Einstein
Sao Paulo, Brazil

Ezra Gabbay, MD, MS
Division of Adult Nephrology
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Universidad Panamericana Health Sciences Faculty and School of Medicine
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Tufts University School of Medicine
President and CEO
Visterra Inc
Cambridge MA

Katrin Uhlig, MD, MS
Adjunct Associate Professor of Medicine
Director, Epidemiology
Quintiles
Cambridge MA

Martin Wagner, MD, MS
Adjunct Instructor
Resident/Fellow
Department of Medicine I, Division of Nephrology
University Hospital of Würzburg, Germany
Würzburg, Germany

Faculty Emeriti

John T. Harrington, MD
Professor of Medicine
Dean Emeritus, TUSM

Jerome P. Kassirer, MD
Distinguished Professor
Special Assistant to the Dean, TUSM

Management Staff

Geneva Tucker, MBA
Business Operations Manager
William B. Schwartz Division of Nephrology and Pratt Medical Group Nephrology and Hypertension, Concord

Krista Boisclair, MS
Research Administrator II
Faculty Descriptions

**ANDREW S. LEEVY, MD, FNKF**

**Dr. Levey** is Dr. Gerald J. and Dorothy R. Professor of Medicine at Tufts University School of Medicine and Chief, William B. Schwartz Division of Nephrology at Tufts Medical Center.

Dr. Levey’s research interests include measurement and estimation of kidney function, epidemiology of chronic kidney disease (CKD) and of cardiovascular disease and nutrition in CKD, and treatments to slow the progression of CKD and reduce morbidity in patients treated by dialysis and kidney transplantation. Dr. Levey has a long history of participating in multicenter clinical trials and cohort studies. For the past 15 years, he has been at the forefront of the development of equations to estimate glomerular filtration rate (GFR) from serum creatinine, cystatin C and novel filtration markers using large databases, including the widely-used Modification of Diet in Renal Disease (MDRD) Study and Chronic Kidney Disease Epidemiology Collaboration (CKD-EPI) equations. He leads CKD-EPI and is a founding member of the Chronic Kidney Disease Prognosis Consortium (CKD-PC). The use of GFR estimating equations to estimate kidney function and inform prognosis has transformed research, clinical practice, and public health in CKD.

Additional areas of interest include patient care, training in research and education, and health care policy related to CKD. Dr. Levey is a widely recognized authority on clinical practice guidelines in CKD and has contributed to guideline development, implementation, quality improvement and public policy in this area. He is the Principal Investigator of the Division’s NIDDK-supported training grant (T32) in clinical trials, epidemiology and outcomes research. He was formerly Associate Editor for kidney disease and hypertension for the *Annals of Internal Medicine* and is current Editor-in-Chief of the *American Journal of Kidney Diseases*.

He received the Distinguished Faculty Award from TUSM in 2004 and the Distinguished Alumnus Award from Boston University School of Medicine in 2013. The National Kidney Foundation honored him with the President’s Award in 1998, Garabed Eknoyan Award in 2002, and David W. Hume Award in 2011. The American Society of Nephrology honored him with the Belding H. Scribner Award in 2013.

**RONALD D. PERRONE, MD, FASN, FNKF**

**Dr. Perrone** has a long-standing and wide-ranging interest in translation of basic science discoveries to clinical medicine. Starting with a laboratory focused on epithelial transport, he subsequently focused on work with immortalized epithelia including human intrahepatic biliary epithelium, human polycystic liver cysts, and human bladder. His present work focuses on clinical research in polycystic kidney disease and the role of total kidney volume as a biomarker in response to clinical therapies. Dr. Perrone has been a member of the Scientific Advisory Committee of the Polycystic Kidney Disease Foundation since 1999 (Chairman from 2006-2010) and frequently lectures at national and local patient meetings. He served as Co-Investigator with Dr. Levey in the pilot and planning phases (Phase I and II) of the Modification of Diet in Renal Disease (MDRD) study and played a fundamental role in the validation and use of the $^{125}$-iothalamate protocol used for the MDRD and other clinical trials of progressive kidney disease. Dr. Perrone serves as site PI and member of the steering committee for the TEMPO 251 study of tolvaptan in ADPKD. and as site PI and member of the steering committee for the NIDDK-sponsored HALT PKD study. Over the past 4 years, Dr. Perrone been integral to the formation of the PKD Outcomes Consortium and has been the principal individual involved in bringing together the contributors from academia, pharma, NIH, FDA, CDISC, and C-Path. He has led this large and diverse consortium that is creating the groundwork for validation of total kidney volume as a clinical trial and
regulatory endpoint in ADPKD. Dr. Perrone’s goal, enhanced by prior experience in epithelial biology, clinical trials, dietary modification, and translation of basic discoveries to clinical care, is to improve outcomes in chronic kidney disease, particularly polycystic kidney disease.

Dr. Perrone recently was appointed as the Scientific Director of the Clinical and Translational Research Center (CTRC) under the auspices of the Tufts Clinical and Translational Science Institute. The CTRC is the main site for clinical research studies at Tufts Medical Center. His role is to provide scientific leadership and facilitate research activities in the CTRC.

Vaidyanatha S. Balakrishnan, MD, MRCP, PhD

Dr. Balakrishnan's clinical specialties are CKD, dialysis, transplantation, and the treatment of kidney stones. His research interests focus on factors modulating inflammation and oxidative stress and their impact on clinical outcomes among patients with CKD, particularly those on hemodialysis. He is interested in the impact of pro-inflammatory and anti-inflammatory cytokines and cytokine-specific inhibitory proteins on clinical outcomes in patients on hemodialysis. In recent years, Dr. Balakrishnan’s research has focused on the role of genetic factors, particularly single nucleotide polymorphisms involving the cytokine genes, modulating the micro-inflammatory state and clinical outcomes among hemodialysis patients. He has also focused his attention on the mitochondrial genome and mitochondrial biogenesis and their impact on the complications associated with CKD. He is the Director of Continuing Medical Education for the Division and coordinates research conferences and visiting professorships.

Michael B. Cohen, MD

Dr. Cohen practices primarily at Melrose-Wakefield Hospital. He consults in both the inpatient and outpatient settings on the care of patients with kidney disease, hypertension, and those treated with hemodialysis and peritoneal dialysis. Dr. Cohen is Co-Medical Director at the DCI Ball Square dialysis unit and is Medical Director of the acute dialysis programs at Hallmark Health and Kindred Hospital Boston. He is also involved with teaching medical students, residents, and fellows in nephrology.

Anthony Z. Dash, MD

Dr. Dash practices primarily at Lawrence Memorial Hospital, St. Elizabeth’s Medical Center (SEMC), and the Concord off-site practice. He consults in both the inpatient and outpatient settings on the care of patients with kidney disease, hypertension, and those treated with hemodialysis and peritoneal dialysis. Dr. Dash is the Co-Medical Director at the DCI Ball Square dialysis unit in Somerville.

Scott J. Gilbert, MD, FASN

Dr. Gilbert is the Director of the Fellowship Training Program and coordinates house staff nephrology education. At Tufts Medical Center, he oversees resident rotations on the Inpatient Ward and Consult services, and in the outpatient Kidney and Blood Pressure Center (KBPC). At TUSM, Dr. Gilbert is course director of the 2nd year course From Health to Disease, leader of the Renal section, and coordinates the 4th year Consultative Nephrology elective. Dr. Gilbert directs the required Objective Structured Clinical Examination for all 3rd year students. He sits on the steering committees for the Learning Communities and the Community Service Requirement, and chairs the Pre-Clinical Course Director and Curriculum Integration Committees. Dr. Gilbert’s other educational activities include teaching Renal Pharmacology at the Sackler School of Graduate Biomedical Sciences and the Renal Section of Nutritional Biochemistry and Physiology in the Friedman School of Nutrition. Dr. Gilbert is the Education Editor of
His **clinical interests** are the treatment of CKD, renal artery stenosis, hemodialysis, and transplantation. Dr. Gilbert’s **research interests** include the management of lupus nephritis and the cardiorenal syndrome, and the treatment of renal artery stenosis. Dr. Gilbert is an Associate Professor of Medicine at TUSM.

**Meredith C. Foster, ScD, MPH**

**Dr. Foster** is Research Assistant Professor of Medicine and Public Health and Community Medicine at TUSM and a statistical editor for the *American Journal of Kidney Diseases*. Her **research interests** are related to the epidemiology of chronic kidney disease, including the role of obesity in the development and progression of chronic kidney disease, the impact of body composition on serum filtration markers, and the burden of risk factors, cardiovascular disease, and complications in chronic kidney disease. She is currently involved with projects evaluating risk of adverse events associated with novel serum and urinary biomarkers in the Chronic Kidney Disease Biomarkers Consortium, the burden of chronic kidney disease and its complications in the elderly from the *Age, Gene/Environment Susceptibility* Study, non-GFR determinants of novel filtration markers, and estimating residual kidney function with serum low molecular weight proteins and metabolites in peritoneal dialysis patients.

**Lesley A. Inker (formerly Stevens), MD, MS, FRCP (C)**

**Dr. Inker’s** primary **research interests** are in kidney function measurement and estimation, outcomes for clinical trials of kidney disease progression, and epidemiology and outcomes related to CKD. She was the co-principal investigator of CKD-EPI, a collaborative effort with the NIDDK to use pooled individual patient data to address central questions in the epidemiology of CKD, including developing improved GFR estimation equations, using these equations to refine prevalence estimates for CKD from National Health and Nutrition Examination Survey, and evaluating changes in proteinuria as a surrogate marker for kidney disease outcomes in clinical trials. Dr. Inker is currently involved in several projects to measure GFR in populations which have not been well represented in studies of measured GFR, such as the elderly, patients with HIV, and African Americans. Using these data and others, she is investigating novel markers for estimation of GFR and prognosis of adverse outcomes in patients with CKD, and is a co-investigator on the Chronic Kidney Disease Biomarker Consortium (Bio-Con), a collaborative effort with the NIDDK to develop and validate novel biomarkers for chronic kidney disease. Dr. Inker continues in the investigation of alternative endpoints for clinical trials of kidney disease progression. She is the principal investigator of a study to evaluate proteinuria in IgA nephropathy and she is the director of the analytical team to evaluate alternative creatinine-based outcomes as part of an FDA-NKF workshop held December 2012. Dr. Inker is co-chair of the Kidney Disease Outcome Quality Initiative (KDOQI) committee on the CKD Guidelines, which has recently completed a commentary on the KDIGO guidelines. Dr. Inker’s **clinical interests** are general nephrology, GFR measurement and estimation, detection and treatment of CKD, geriatric nephrology, HIV-associated kidney disease, and kidney stones. She is the Director of the Kidney and Blood Pressure Center, the Kidney Function Evaluation Center, and for Quality Improvement for the Division.

**Bertrand L. Jaber, MD, MS, FASN, FNKF**

**Dr. Jaber** serves as Vice Chair for Clinical Affairs in the Department of Medicine in the Department of Medicine at SEMC. His research efforts focus on the potential utility of genetic, plasma, and urinary markers in the prediction of development, early detection, and severity of acute kidney injury as well as adverse clinical outcomes. He also conducts meta-analyses on preventive and treatment
strategies for acute kidney injury and has examined the role of more frequent hemodialysis to treat chronic kidney failure. Dr. Jaber is a Professor of Medicine at TUSM and Faculty Senate member. He is also a faculty member of the Sackler School of Graduate Biomedical Sciences, and is co-editor for the *American Journal of Kidney Diseases*. Dr. Jaber previously served as Chair of the American Society of Nephrology’s Acute Kidney Injury Advisory Group.

**Alin A. Joseph, MD, MS**

Dr. Joseph finished her residency at Tufts Medical Center in 2011 and her clinical-research fellowship in Nephrology in the Division in 2014. She then joined the Division as a member of the clinical staff. Her clinical practice is primarily in the inpatient setting at Emerson Hospital in Concord, MA, as well as Lawrence Memorial Hospital in Medford, MA providing inpatient nephrology care.

**Amy B. Kuhlik, MD**

Dr. Kuhlik is the Dean for Student Affairs at TUSM. She maintains a clinical practice within the Division by holding one half-day clinic a week and also attending on the nephrology consult service several weeks a year. Dr. Kuhlik’s clinical specialties are CKD, pregnancy, and polycystic kidney disease.

**Nicolaos E. Madias, MD, FASN**

Dr. Madias is Chairman of the Department of Medicine at SEMC, the Maurice S. Segal, MD Professor of Medicine at TUSM, and the Academic Dean of TUSM at SEMC. Dr. Madias is interested in the broad field of acid-base and electrolyte metabolism. He has several projects on the epidemiology and management of hyponatremia, the role of sodium and potassium in the pathogenesis of hypertension, and the assessment of acid-base disorders.

**Klemens B. Meyer, MD**

Dr. Meyer is Director of Dialysis Services at Tufts Medical Center, Medical Director at DCI Boston and DCI Walden Pond, Medical Director for the Home Dialysis Program at DCI Ball Square, and Professor of Medicine at TUSM. Dr. Meyer’s clinical interests are CKD, dialysis, and kidney transplantation. His teaching interests involve the techniques of interpersonal care and end-of-life care. Dr. Meyer’s research interests are dialysis informatics, the measurement of patient experience and of the quality of care. He is also actively involved in data-driven quality improvement activities. In his capacity as DCI’s Medical Director for Information Systems, Dr. Meyer participates in the development and operations of both medical and business information systems. Dr. Meyer participated in the leadership of the ESRD Network of New England for 2 decades and served as President of the Board of Directors of the National Forum of ESRD Networks. He is a member of the Renal Disease and Detoxification Committee of the Association for the Advancement of Medical Instrumentation. In 2014, Dr. Meyer received the TUSM Distinguished Faculty Award.

**Dana C. Miskulin, MD, MS, FRCP (C)**

Dr. Miskulin conducts research in the Division and directs the DCI Comorbidity Assessment Project whose goal is to develop and implement procedures for the collection of comorbidity information and adjustment for comorbidity in reporting the quality of care provided at DCI facilities. Dr. Miskulin is also a Co-Investigator for the HALT-PKD Study. Her clinical interests are in general nephrology, polycystic kidney disease, and kidney stones.
Monika Pilchowska, MD, PhD

Dr. Pilchowska's primary appointment is in the pathology department at Tufts Medical Center. She is board certified in Anatomic and Clinical Pathology and Hematopathology and is a member of the Renal Pathology Society. Dr. Pilchowska has a special interest in kidney diseases and interprets kidney biopsies in patients with medical kidney disease and kidney transplants. She conducts a kidney biopsy conference at regular intervals for Division members. Her current research studies include renal involvement in lymphoproliferative disorders, autoreactive B-cell clones in systemic lupus erythematosus, and IgA nephropathy.

Madhumathi Rao, MD, PhD, FRCP (E)

Dr. Rao's research interests include the metabolic and inflammatory complications of CKD and ESRD. She is studying the role of the gut microbiota in the genesis of inflammation in dialysis patients. Her clinical interests include management of CKD and its complications, critical care nephrology, genetic kidney disease, and renal bone disease. She is currently the Medical Director, Walden Pond DCI, and Consultant Nephrologist at Emerson Hospital and Attending Physician/Nephrologist at Tufts Medical Center. She is the course director for cardiovascular epidemiology for the MD-MPH course in the Tufts University School of Medicine, serves on the Institutional Review Board and the Scientific Advisory Committee. She was promoted to Associate Professor in 2014.

Michelle M. Richardson, PharmD, BCPS

Dr. Richardson is a member of the Special and Scientific Staff. Her research and programmatic interests involve assessing patient-based outcomes of health-related quality of life (HRQOL) and patient satisfaction in patients with kidney disease. Since 1994, she has directed the Outcomes Monitoring Program (OMP) for DCI. The OMP was the first program of its kind to routinely use patient-reported outcomes in clinical care. Dr. Richardson and her staff are most recently focusing on the new regulation requiring ICH-CAHPS administrations in in-center hemodialysis facilities and developing strategic programs and materials to help facilities improve the patient experience. In 2014, Dr. Richardson was appointed as a member of the ESRD Quality Measure Development, Maintenance, and Support Project Functional Status Technical Expert Panel convened by the University of Michigan Kidney Epidemiology and Cost Center and the Center for Medicaid and Medicare Services. She is also the Director of Communications and produces this Annual Report and maintains the Division’s web site.

Mark J. Sarnak, MD, MS, FASN

Dr. Sarnak is the Director of Research in the Division of Nephrology, Associate Director of the Research Training Program, and Professor of Medicine at Tufts University School of Medicine. His research focuses on traditional and non-traditional cardiovascular risk factors in CKD, aging and kidney disease, and cognitive function and CKD. Dr. Sarnak is funded by the NIDDK and the National Institutes of Aging (NIA) to perform these research projects. Dr. Sarnak’s clinical specialties are in cardiovascular disease in patients with kidney disease, management of CKD, dialysis, kidney transplantation, and kidney stones.

Gautham Viswanathan, MD, MS

In June, 2014 Dr. Viswanathan moved his practice to the Atlanta GA area after 2 years as a staff nephrologist in the Division. Dr. Viswanathan practiced primarily at Emerson Hospital and St. Elizabeth's Medical Center. He consulted in the inpatient setting on the care of patients with kidney disease, electrolyte disorders, and those treated with hemodialysis and peritoneal dialysis.
Dr. Weiner is the recipient of an R01 from the NIDDK to investigate the role of exercise in people with advanced kidney disease, including factors by which exercise may improve physical and cognitive health. Previously, he received a Carl W. Gottschalk Research Scholar Grant from the American Society of Nephrology to investigate the medical, ecologic and economic impact of dialyzer reprocessing practices and a K23 Career Development Award from the NIDDK to investigate cerebrovascular disease and cognitive impairment in individuals with CKD. His current research evaluates the effect of traditional and non-traditional cardiovascular disease risk factors on cerebrovascular and cardiovascular disease outcomes, including cognitive function, in people with kidney disease as well as epidemiologic research in dialysis. Additionally, he leads Tufts’ involvement in the multicenter NIH-funded Systolic Blood Pressure Intervention Trial (SPRINT), which will help elucidate the appropriate blood pressure goal for antihypertensive treatment in non-diabetic adults. He is also the lead investigator at Tufts in two trials investigating diabetic nephropathy. He is collaborating with public health researchers from Boston University to investigate CKD among workers in rural Nicaragua.

Dr. Weiner is the Associate Medical Director of DCI Boston. Since October 2006, Dr. Weiner has been the Deputy Editor of the American Journal of Kidney Diseases. Dr. Weiner is the co-Editor in Chief of the National Kidney Foundation’s Primer on Kidney Diseases, 6th edition. Dr. Weiner is currently the chair of the American Society of Nephrology Quality Metrics Task Force and is a member of the Public Policy Board. He is the chair of the 2016 Program Committee for the NKF Spring Clinical Meeting and a member of the 2015 NKF KDOQI Hemodialysis Guideline update workgroup.

Dr. Weiner’s clinical specialties are general nephrology and home and in-center dialysis. Dr. Weiner is the Chair of the Curriculum Committee at TUSM. He was promoted to Associate Professor in 2014.

Dr. Wright finished his clinical fellowship in Nephrology at Beth Israel Deaconess Medical Center in 2009. He began a second research fellowship at Tufts Medical Center in 2012 and joined the Division as clinical staff in 2013. His clinical practice is primarily at Tufts Medical Center, providing outpatient and inpatient care for issues of general nephrology and internal medicine. His research focuses on the medical issues facing patients undergoing long-term outpatient dialysis, including infections.

Division Staff

Members of the support staff sustain the Division’s administrative, clinical, and research operations. Geneva Tucker, the Business Operations Manager, supervises 20 personnel in the Division. The support personnel are diverse and each staff member brings specialized knowledge and skills to their respective positions. All administrative and clinical staff functions as teams supporting operations and each other. Personnel are cross-trained, enabling each team to support day-to-day operations and the other, when the need arises. The ambulatory support staff also works very closely with our physicians, fellows, staff nurse, physician assistants, and transplant nurse practitioners to provide high-quality care and customer service to our patients. The Business Operations Manager also oversees the Division’s Fellowship program, currently staffed as 9 Clinical and Clinical Research/Training Grant full-time equivalents.
### Administrative Support Staff

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>Position</th>
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<tbody>
<tr>
<td>Nicole Collado</td>
<td>Fellowship Program Coordinator</td>
</tr>
<tr>
<td>Lorna Davies</td>
<td>Administrative Coordinator</td>
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### Kidney and Blood Pressure Center Staff

<table>
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<tr>
<th>Staff Member</th>
<th>Position</th>
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<tbody>
<tr>
<td>Dowa Dolma</td>
<td>Medical Assistant</td>
</tr>
<tr>
<td>Sue Ann Leong-Tsan</td>
<td>Practice Coordinator</td>
</tr>
<tr>
<td>Hasnaa Moussaif</td>
<td>Practice Coordinator</td>
</tr>
<tr>
<td>Debbie Mitchell-Dozier, RN</td>
<td>Staff Nurse</td>
</tr>
<tr>
<td>Christine Sullivan, MPA, PA-C</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>Finna Tam</td>
<td>Practice Coordinator</td>
</tr>
<tr>
<td>Jennifer Trignano, PA-C</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>Joe Valencia, BA</td>
<td>Clinic Supervisor</td>
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### Pratt Medical Group Nephrology and Hypertension, Concord

<table>
<thead>
<tr>
<th>Staff Member</th>
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</thead>
<tbody>
<tr>
<td>Sharyn Moussawee</td>
<td>Practice Coordinator</td>
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</tbody>
</table>

### Research Support Staff (i.e., Assistants, Associates, & Statisticians)

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>Position</th>
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<tbody>
<tr>
<td>Lily Chan</td>
<td>Clinical Research Coordinator III</td>
</tr>
<tr>
<td>Sarah Duncan</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Shana Haynes</td>
<td>Clinical Research Coordinator II</td>
</tr>
<tr>
<td>Elise Hoover</td>
<td>Clinical Research Coordinator III</td>
</tr>
<tr>
<td>Naya Huang</td>
<td>Research Volunteer</td>
</tr>
<tr>
<td>Taylor Masaschi</td>
<td>Research Assistant II</td>
</tr>
<tr>
<td>Aghogho Okparavero</td>
<td>Clinical Research Associate II</td>
</tr>
<tr>
<td>Aurelia Rus</td>
<td>Clinical Research Coordinator II</td>
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### Research Administration

Krista Boisclair, MS Research Administrator, under the supervision of Director of Research Administration for the Department of Medicine, is responsible for assisting investigators and
research staff in all aspects of grants management and coordination with research activities of the Division. Research activities of the Division are discussed in more detail starting on page 35.

American Journal of Kidney Diseases

Nijsje Dorman, PhD, is Managing Editor for the American Journal Kidney Diseases. Dr. Dorman is responsible for all aspects of editorial operations of the journal. See page 54 for details.

American Journal of Kidney Diseases Editorial Office Staff

<table>
<thead>
<tr>
<th>Staff Member</th>
<th>Position</th>
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<tbody>
<tr>
<td>Caroline Blanchard</td>
<td>Editorial Assistant</td>
</tr>
<tr>
<td>Elizabeth Bury, MFA</td>
<td>Associate Managing Editor</td>
</tr>
<tr>
<td>Elizabeth Frank</td>
<td>Features and Project Editor</td>
</tr>
<tr>
<td>Barbara Saper</td>
<td>Editorial Office Associate</td>
</tr>
</tbody>
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2014 Faculty and Staff Changes

Faculty Changes

- Dr. Rao and Dr. Weiner were promoted to Associate Professor of Medicine at TUSM. Dr. Rao also was promoted within the Department of Public Health and Community Medicine which she holds as a secondary appointment at TUSM.

- Dr. Rao was appointed as the Medical Director at DCI Walden Pond. Dr. Meyer is now the Associate Medical Director at DCI Walden Pond after many years of service as the Medical Director.

- Dr. Viswanathan left the Concord MA practice to begin practicing in Atlanta GA.

- After completing her fellowship within the Division, Alin A. Joseph, MD, MS joined the Attending Staff. Dr. Joseph specializes in general nephrology with an interest in transplant nephrology and glomerulonephritis. She completed her medical degree at Drexel University College of Medicine and her residency in Internal Medicine at Tufts MC. She remained here to complete her fellowship in Nephrology. Dr. Joseph’s research interests include clinical studies in transplant outcomes. Her research on the risks of cardiovascular disease and all-cause mortality in kidney transplant recipients was published in the Journal of the American Society of Nephrology in 2014.

- Dr. Foster received a secondary faculty appointment as Assistant Professor in the Department of Public Health and Community Medicine. Dr. Foster teaches the MD Epidemiology and Biostatistics course and developing research collaborations with Public Health and Community Medicine faculty.
Staff Changes

Clinical

Several long-time Division members retired this year. They had a combined 182 years of experience treating patients.

- **Debbie Van Allen**, DCI Boston Nurse Manager, and **Connie Bruno**, Assistant Nurse Manager, both retired in September. Debbie came to work at Tufts Medical Center in 1972, and joined the dialysis program in 1976. Connie started at the hospital in 1978, joining the dialysis program in 1981. In addition to their experience, we also miss their wisdom, kindness, dedication, and skill. However, a smooth transition occurred when current dialysis unit nurses were promoted. **Chad Stevenson** is the new Nurse Manager and **Ferdie Cigaral** the new Assistant Nurse Manager.

- **Helen Freedman**, a Patient Service Coordinator in the KBPC, retired in September after 28 years of dedicated service at Tufts Medical Center. She started working in the OR in October 1986 as a check-in secretary, she then spent time in the Medical Specialties clinic before coming to the Division of Nephrology in April 1996. Helen was the Saltonstall Employee of the Month in March 2006.

- **Alice Martin, RN** started at Tufts in 1976 as a hemodialysis nurse. Nine years later she transitioned into the positions she held for the next 29 years - clinical nurse in the outpatient clinic and research coordinator/manager. In 2003 she assumed the role of the Hospital and Community Liaison for Kidney Diseases Screening and Education. A proud moment in Division history was when Alice received the 2008 NKF of MA RI NH and VT’s Volunteer of the Year award.

- **Peachy Simon, RN** started the New England Medical Center Hemodialysis Unit on May 17, 1976 and 4 years later started the Continuous Ambulatory Peritoneal Dialysis program with Dr. John Harrington. She remained the PD nurse when operations
transferred to DCI until April 2003. Just over 1 year later she returned as a HALT PKD Study Coordinator with Dr. Perrone until October 2014 when the study ended.

- After just over 3.5 years as the Kidney and Blood Pressure Clinic Supervisor, **Elizabeth Wenger** joined the Dermatology team at Tufts MC.

> "I have never really wanted to work anywhere else. I feel so blessed to have had such a wonderful career at Tufts/DCI and it has been a privilege to care for so many special patients alongside such skilled caregivers and clinicians."

Connie Bruno, RN

- In July, **Joe Valencia**, BA assumed the role of Clinic Supervisor. He was previously the Clinical Laboratory Support Coordinator at Tufts Medical Center where he was responsible for the day-to-day operations of the clinical lab, all point of care testing, and was the liaison for Tufts Crown Colony clinic and Braintree Women’s Care South clinic. Joe has a Bachelor of Arts degree in Biology and is pursuing his MBA.

- **Alesha Brown**, KBPC phlebotomist resigned. In October, **Dawa Dolma** is the new Medical Assistant. Dawa received her medical assistant certification at Bunker Hill Community College and completed her externship training at Tufts Medical Center in General Medical Associates.

- To fill Helen Freedman’s shoes, we welcomed **Sue Ann Leong-Tsan** as a new PSC. Sue Ann has worked at Tufts Medical Center for 20 years, most recently in the Call Center.

- **Sharyn Moussawee** joined the team as the Practice Coordinator at Walden Pond.

**Research**

- There were many research staff changes with the ending of the HALT PKD Study. **Peachy Simon**, RN retired; **Veronika Testa**, RN, became a Program Manager in Rheumatology; and **Fadi Obeid** and **Amy Kantor** left to pursue new opportunities.

- **Ryan Coffey** enrolled in the Uniformed Services University Medical School in Bethesda MD. **Alyson Heath** left to attend graduate school.

- **Aurelia Rus, Sarah Duncan**, and **Ben Hui** joined the division in June. Aurelia and Sarah worked on the SPRINT and AWARD trials. Sarah also worked on the Dialysis Cognition Study. Ben, a college student at Syracuse University, helped out for the summer.

- **Naya Huang**, a new research fellow from Guangzhou, China joined the Division during the summer.
• **Xun Liu, MD** a research volunteer from Guangzhou, China completed his time in the Division and returned to China in December.

![Drs. Liu and Levey](image)

**Service**

Members of the Division are actively involved in local, national, and international service.

**Service to Tufts Medical Center**

- Prior to leaving for medical school, **Ryan Coffey** was a member of the Employee Engagement Council.
- **Dr. Gilbert** serves on the Internal Medicine Residency Clinical Competency Committee, the Graduate Medical Education Committee, and the Internal Medicine Residency Curriculum Committee.
- **Dr. Perrone** continues to serve as the United Network for Organ Sharing (UNOS) certified Transplant Physician at Tufts Medical Center.
- **Dr. Rao** is a member of the Tufts Medical Center Investigational Review Board.
- **Dr. Sarnak** is a member of the Clinical Research Program Advisory Committee for the Fellowship Program in the Institute for Clinical Research and Health Policies in the Division of Clinical Care Research.
- **Drs. Sarnak, Balakrishnan, Gilbert, and Weiner** are members of the Tufts Medical Center Internal Medicine Residency Intern Selection Committee.
- **Dr. Weiner** is the Chair of the Tufts Clinical and Translational Science Institute (CTSI) Operations Committee. The mission of the Tufts CTSI is to identify, stimulate, and expedite innovative clinical and translational research with the goal to improve the public’s health. **Dr. Sarnak** is also a member of this committee.

**Service to TUSM/Sackler School of Graduate Biomedical Sciences**

- Several members of the Division have roles on the TUSM Curriculum Committee; Dr.
Weiner is the Chair, Dr. Gilbert is an Ex Officio member, and Dr. Inker is a member.

- Dr. Gilbert serves on the Learning Community Steering Committee and the Community Service Learning Effort Steering Committee; and chairs the Objective Structured Clinical Examination (OSCE) Committee, the Curriculum Integration Committee, and the Pre-Clinical Course Directors Committee at TUSM.
- Dr. Jaber is on the Faculty Senate.
- Dr. Madias is a member of the TUSM Executive Council.
- Dr. Meyer serves as a faculty advisor for the Galen Society.
- Dr. Rao is a member of the TUSM Scientific Affairs Committee and Co-Director Kidney and Dialysis Research Lab.

Service to Professional Organizations

- Dr. Balakrishnan is a member of the Scientific Advisory Board of AMAG Pharmaceuticals, Inc and the Clinical Research Grants Review Committee for the NKF.
- Dr. Gilbert is a member of the Panel for Accreditation Appeals in Nephrology Accreditation Council for Graduate Medical Education. He also is a member of the Medical Advisory Board of the NKF Serving New England and the Executive Committee of the Nephrology Training Program Directors for the ASN.
- Dr. Inker is the chair of the Clinical Oversight Committee of KEEP and a member of the National Kidney Disease Education Program Laboratory Work Group.
- Dr. Inker chairs the International Classification of Diseases in the US and a member of the Renal Working Group developing the 11th version of the International Classification of Diseases, World Health Organization.
- Dr. Inker also serves on the NIDDK United States Renal Data System (USRDS) External Advisory Committee as well as the Vascular Access Consortium External Advisory Committee. She is also a member of the KDOQI Guideline Commentary Workgroup for the new KDIGO Chronic Kidney Disease Guideline Update.
- Dr. Jaber is a member of the Scientific Advisory Board for Chronic Therapies at NxStage Medical in Lawrence MA.
- Dr. Levey is a member of the NKF Scientific Advisory Board.
- Dr. Madias is a member of the Advisory Board for the Hellenic Bioscientific Association in the USA and the Acid-Base and Electrolyte Advisory Board for the American Journal of Kidney Diseases.
• At DCI, Dr. Meyer is the Medical Director for both the Information Systems and the Outcomes Monitoring Program. He is also a member of the Medical Information System Steering Committee.

• Dr. Meyer is a member of: the Renal Disease and Detoxification Committee of the Association for the Advancement of Medical Instrumentation, the American Association of Kidney Patients Medical Advisory Board, the USRDS External Advisory Committee, and the Fistula First Breakthrough Initiative.

• Drs. Miskulin and Meyer are members of the DCI Quality Management Committee.

• Dr. Miskulin is the Chair of the Endpoints Committee for the HALT-PKD Study.

• Dr. Perrone is Co-Executive Director of the Polycystic Kidney Disease Outcomes Consortium and was the Region 1 Representative on the OPTN/UNOS Kidney Transplant Committee. His term on the committee began in 2012 and ended in June 2014.

• Dr. Sarnak is the co-chair of the Cardiovascular Health Study (CHS) Renal Work Group. He is also on the writing committee of the cardiovascular subcommittee of the Hemodialysis (HEMO) Study and a member for the ALLHAT Renal Working Group.

• Dr. Sarnak is the Co-Chair of the KDIGO Clinical Practice Guideline for Lipid Management in CKD and on the steering committee for the CKD Prognosis Consortium.

• Dr. Weiner is the chair of the ASN Quality Metrics Task Force; a grant reviewer for the NIA GEMSSTAR review committee; and a member of the DCI Medical Director Research Committee and Quality Management Committee. He also chairs the ASN Quality Metrics task force and is a member of their Public Policy Board.

• Dr. Weiner is the Co-Chair for the 2015 NKF Spring Clinical Meeting Program Committee; Chair designate for the 2016 Program Committee and former member of the 2013 and 2014 Program Committees.

2014 Administrative Awards and Honors

• Three faculty members were recognized by the National Kidney Foundation at the 2014 Spring Clinical Meeting. Dr. Sarnak delivered the Shaul G. Massry Distinguished Lecture which honors Dr. Shaul G. Massry for his scientific achievements and his contributions to the kidney health care community and to the National Kidney Foundation. Dr. Perrone received the Donald W. Seldin Distinguished Award which recognizes excellence in clinical nephrology in the tradition of one of the foremost teachers and researchers in the field, Dr. Donald W. Seldin. Also at the Spring Clinical Meeting, Dr. Uhlig received the Garabed Eknoyan Award which recognizes an individual who has promoted the mission of the National Kidney Foundation in Making Lives Better for people with kidney disease through
exceptional contributions to key initiatives of NKF.

Dr. Uhlig accepting the Garabed Eknoyan Award from the NKF

- Dr. Perrone was honored as the Physician of the Year by the PKD Foundation at its Gratitude benefit.

**PATIENT CARE**

The Division provides diagnostic and treatment expertise for patients with chronic kidney diseases, including kidney failure and kidney transplantation, acute kidney injuries, fluid and electrolyte disorders, and all forms of hypertension. The staff has expertise in evaluation and treatment of nephrotic syndrome, various glomerular diseases, diabetic kidney disease, polycystic kidney disease, urinary tract infections, urinary reflux and obstruction, kidney stones, and all other kidney diseases. Special diagnostic and treatment modalities offered by
the division include glomerular filtration rate estimation, kidney biopsy, transplant immunosuppression, ambulatory blood pressure monitoring, percutaneous transluminal renal angioplasty and stenting, hemodialysis, peritoneal dialysis, continuous venovenous hemofiltration, vascular access monitoring and repair, and kidney transplantation.

All our clinical programs continue to expand, offering care for a wide range of complex and complicated issues associated with acute and chronic kidney disease. The following section highlights our clinical programs.

2014 Patient Care Initiatives

- Tufts Medical Center highlighted our work as part of a new branding campaign that was released in 2014. The campaign was wide-spread throughout the city including blanketing North Station.

Continuing Outpatient Patient Care Initiatives

Kidney and Blood Pressure Center

Outpatient clinical activities take place primarily in the KBPC, directed by Dr. Inker. There are currently nine half-day-a-week clinics staffed by Drs. Balakrishnan, Gilbert, Inker, Kuhlik, Levey, Meyer, Miskulin, Perrone, and Sarnak.

The KBPC emphasizes a multi-disciplinary approach to kidney disease. Collaboration with the Division of Transplant Surgery, Department of Urology, the DCI outpatient dialysis unit, and the Frances Stern Nutrition Center improve the quality of care delivered. The KBPC specializes in the diagnosis and management of CKD, hypertension, glomerular diseases, kidney transplantation, kidney stones, and peritoneal dialysis. Ambulatory blood pressure monitoring and subcutaneous erythropoietin administration services are offered by the KBPC.

Many clinical studies on CKD occur in the clinic, including studies of polycystic kidney disease, blood pressure target in CKD, dyslipidemia management in CKD, lupus nephritis (in conjunction with the Division of Rheumatology), transplant immunosuppression, cardiovascular disease in transplantation, computerized assessment of health-related quality of life, genetic predisposition to progression, and kidney function evaluation (see below).

In collaboration with Jane Maxim RN, DCI Ball Square Home Dialysis Nurse Manger, Debbie
Mitchell-Dozier RN holds patient education sessions. The Renal Replacement Options Meetings are facilitated discussions held every quarter for CKD Stage 4 and Stage 5 patients who would benefit from open discussion of hemodialysis (center based vs. home based), peritoneal dialysis, and kidney transplantation. The meeting is open to both patients and family members.

**Kidney Function Evaluation Clinic**

The Kidney Function Evaluation Center, under the direction of Dr. Inker, is a Boston-wide resource for confirmatory tests for GFR estimated from creatinine. Patients whose estimates of GFR using creatinine are not thought to be accurate are referred to the Center for measurement of GFR using plasma clearance of iohexol. GFR is estimated using both creatinine and cystatin C and a report is sent to the referring physicians for a complete interpretation of the GFR values. For example, it may be useful in patients who will be undergoing chemotherapy with agents that are cleared by the kidneys, potential kidney donors with high muscle mass who are thought to have falsely low estimated GFR, or patients with CKD who have low muscle mass who have symptoms that could be consistent with uremia.

**Center for Polycystic Kidney Disease**

In 2006, Dr. Perrone opened The Center for Polycystic Kidney Disease at Tufts Medical Center (https://www.tuftsmedicalcenter.org/patient-care-services/Departments-and-Services/Nephrology/Clinical-Care-Services/Center-for-PKD.aspx)

This multidisciplinary clinic offers comprehensive, coordinated care for patients with PKD. The Center’s physicians are internationally recognized experts in treating and managing the complications of PKD. In addition to Drs. Perrone and Miskulin of the Division of Nephrology, physicians from transplant surgery, cardiothoracic surgery, urology, neurosurgery, and clinical genetics participate in the Center. Areas of expertise include providing coordinated care for chronic kidney disease including dialysis and transplantation, treatment of hypertension, and evaluation and management of the complications of liver and kidney cysts including chronic pain, kidney stones, and cardiovascular issues including intracranial aneurysms. Multidisciplinary consultations are provided in collaboration with Gennaro Carpinito, MD, Urologist-in-Chief and Charles M. Whitney Professor and Chairman, Department of Urology; Adel Malek, MD, Chief, Division of Neurovascular Surgery; Richard Rohrer, MD, Chief, Transplant Surgery; Michael Tarnoff, MD, Surgeon, Minimally Invasive Surgery Center; Laurence H. Brinckerhoff, M.D., Division of Thoracic Surgery; and Diana Bianchi, MD, Executive Director, Mother and Infant Research Unit, Floating Hospital for Children.

This center also addresses the complications of PKD resulting in new transplants, aneurysm repair, video thoroscopic splanchnicectomy (VSPL) for relief of intractable cyst pain, laparoscopic cyst reduction, and expansion of the nephrology practice at Tufts Medical Center. As part of the PKD Center, Dr. Perrone holds a PKD clinic during which he and Dr. Miskulin see
new patients referred specifically for expert advice regarding complications of cystic disease. This clinic meets biweekly and is staffed in rotation by Dr. Perrone or Dr. Miskulin with participation by clinical or research fellows on a rotating basis and provides a unique opportunity to see the wide range of complications in this disease.

Drs. Perrone and Miskulin also participate in clinical trials for patients with PKD including TEMPO 251, HALT PKD, and REPRISE (TEMPO 210).

Kidney Transplantation Program

Although all Division attending physicians in the KBPC see kidney transplant patients, the Division of Nephrology runs a specific Transplant Multidisciplinary clinic on Wednesday mornings. This clinic is staffed by Dr. Perrone, Medical Director of Kidney Transplantation, and also staffed by one of the Transplant surgeons. Two nurse practitioner transplant coordinators also attend the clinic, one working with Dr. Perrone and one with the Transplant Surgeon. Consultation and interaction regarding new and long-term kidney transplant recipients, kidney transplant candidates, and kidney donors is easily and frequently accomplished. Another benefit of this joint activity is the facilitation of dialysis access planning and interventions. Dr. Gilbert also works closely with one of the transplant coordinators, seeing patients on Tuesday mornings in the KBPC. The kidney transplant program has excellent overall outcomes. Kidney transplant patient and graft survival rates of 99.0% and 97.7%, respectively, are truly outstanding.

Home Dialysis

The Division of Nephrology treats almost 1/3 of its dialysis patients by home dialysis. We participate in a regional home dialysis program, directed by Dr. Meyer, which treats about 60 patients by peritoneal dialysis and home hemodialysis at DCI’s Ball Square facility in Somerville. Jane Maxim, RN, who has 40 years’ experience in dialysis, is the program’s Nurse Manager, leading a team of six nurses, a dietician and a social worker. In addition to English, the nurses speak Cantonese, Mandarin, and Vietnamese. The program prides itself on its flexibility, training patients on evenings and weekends when necessary, and making accommodations to minimize the disruption of patients’ lives by dialysis treatment. Several patients reside in long term care facilities, and the nurses have become expert at training the staff of these facilities, and maintaining their skills. In 2014, for the patients performing peritoneal dialysis, the mean number of months between peritonitis episodes was more than 70, corresponding to 0.17 episodes per patient year. By way of context, a 2011 International Society for Peritoneal Dialysis Position Statement on Reducing the Risks of Peritoneal Dialysis-Related Infections said that “We believe that a rate of 0.36 episodes per patient per year can be reached by most programs. However, overall rates as low as 0.06 – 0.24 episodes per year at risk or 1 episode every 50 – 200 months have been reported, and so those are the goals that dialysis programs should strive to achieve”. The program won DCI’s 2013 Darwin Peterson Award for the best peritoneal dialysis program throughout DCI’s national network of more than 200 dialysis facilities. Drs. Meyer, Weiner, Miskulin, Dash, and Cohen hold monthly
home dialysis clinics at DCI Ball Square and Dr. Rao holds a monthly home dialysis clinic at DCI Walden Pond. Because of the program’s growth, the Ball Square home dialysis facilities will be renovated in 2015 to support an increasing patient population and the urgent start peritoneal dialysis program.

Table 3: Outpatient Hemodialysis Units Affiliated with Tufts Medical Center

<table>
<thead>
<tr>
<th>Location</th>
<th>Dialysis Unit</th>
<th>Medical Directors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tufts Medical Center</td>
<td>DCI Boston</td>
<td>Klemens B. Meyer MD, Medical Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Daniel E. Weiner MD, Associate Medical Director</td>
</tr>
<tr>
<td>Somerville</td>
<td>DCI Ball Square</td>
<td>Anthony Z. Dash MD, Medical Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Michael B. Cohen MD, Co-Medical Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Klemens B. Meyer MD, Medical Director for Home Dialysis</td>
</tr>
<tr>
<td>Concord</td>
<td>DCI Walden Pond</td>
<td>Madhumathi Rao MD, Medical Director</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Klemens B. Meyer MD, Associate Medical Director</td>
</tr>
</tbody>
</table>

**In-Center Hemodialysis**

Drs. Meyer and Weiner direct the dialysis program at Tufts Medical Center Table 3 lists the dialysis programs affiliated with the Division of Nephrology. Since 1986, the dialysis program at Tufts Medical Center has been operated by Dialysis Clinic, Inc. (DCI), a national not-for-profit dialysis organization which sets the national benchmark for quality of care. The high rates of listing for transplantation at the three facilities directed by members of the Division, detailed below, demonstrate the Division’s commitment to optimal kidney failure treatment for all of our patients.

**DCI Boston**

The DCI Boston in-center hemodialysis facility at 35 Kneeland Street treats approximately 100 patients. The unit operates 5 shifts, including one of the few evening shifts in Greater Boston. This year, Chad Stevenson, RN became Nurse Manager and now manages the in-center dialysis program, following the retirement of Debbie Van Allen, RN, MS. Ferdie Cigaral, RN succeeded Connie Bruno, RN as Assistant Nurse Manager. The hemodialysis nursing staff have a median of more than 25 years’ experience in dialysis. The Division’s research and administrative offices are adjacent to DCI Boston. Physical proximity makes frequent patient contact practical and physicians round on each patient shift twice a week. About 81% of patients dialyze by native vein fistula, about 10% each by graft and by catheter. In Massachusetts, about 64% of all hemodialysis patients dialyzed by arteriovenous fistula in 2013, and in the nation, about 62%

According to the 2014 CMS Dialysis Facility Report, DCI Boston’s 2010-2013 standardized mortality ratio was 0.69 (p < 0.05), showing better patient survival than would be expected on
the basis of patient characteristics. Only 5.8% of Medicare dialysis patients were hospitalized with septicemia during 2010-2013, compared to 10.7% at all Massachusetts dialysis facilities, 10.9% at all dialysis facilities in ESRD Network 1, and 11.0% nationally. Among the 67 dialysis patients under age 70 treated at DCI Boston, 60% were on the kidney transplant waitlist, compared to 25% nationally (p<0.05), 38% in MA, and 33% in ESRD Network 1. Among the 77 Medicare dialysis patients, 83% DCI Boston patients were vaccinated, compared to 71% nationally (p<0.05), 72% in Massachusetts, and 74% in ESRD Network 1. Of the prevalent patients receiving hemodialysis treatment at DCI Boston in 2013, 3% had a catheter which had been in place for at least 90 days as their only vascular access, compared to 9% in Massachusetts and in ESRD Network 1, and 8% nationally. In 2012 as compared to local peers and national data, DCI Boston had far fewer patients hospitalized with bacteremia; the STR was 102% higher than expected, and 3-times as many patients were on the kidney transplant waitlist.

**DCI Ball Square (Somerville, MA)**

In addition to the large home program, DCI Ball Square treats approximately 85 in-center hemodialysis patients. Dr. **Tony Dash** has directed this program since it opened in 1999. The 2014 Dialysis Facility Report for Ball Square found the 2010-2013 STR of observed to expected number of patients transplanted for this facility to be 2.08, 108% higher than expected for this facility (p < 0.05), compared to 1.75 for Massachusetts facilities and 1.62 for ESRD Network 1 facilities. Among the 84 dialysis patients under age 70 treated at Ball Square, 52% were on the kidney transplant waitlist compared to 25% nationally (p<0.05), 38% in Massachusetts, and 33% in ESRD Network 1. Among the 88 Medicare dialysis patients treated at this facility, 83% were vaccinated compared to 71% nationally (p<0.05).

**DCI Walden Pond (Concord, MA)**

DCI Walden Pond opened in 2003. Dr. **Meyer** was the medical director from 2006-2014, when Dr. Madhumathi **Rao** assumed the medical directorship. The facility currently treats 46 hemodialysis patients and Dr. Rao holds a monthly home dialysis clinic at the facility. The 2014 Dialysis Facility Report showed that among the 22 dialysis patients under age 70 treated at this facility, 45% were on the kidney transplant waitlist compared to 25% nationally (p<0.05).

**Outpatient Volume**

Table 4 shows outpatient volume at Tufts Medical Center and the Pratt Medical Group Nephrology and Hypertension in Concord. Table 5 shows outpatient dialysis visits by Division-affiliated physicians. All volume numbers are for the Tufts Medical Center and DCI fiscal year 2014 (October 2013—September 2014), unless otherwise stated.
Table 4: Comparison of Outpatient Activity: Fiscal Year 2013 vs. 2014

<table>
<thead>
<tr>
<th>Institution and Location</th>
<th>Fiscal Year</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tufts Medical Center</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kidney Blood Pressure Center</td>
<td>5,015</td>
<td>5,178</td>
</tr>
<tr>
<td>Pratt Medical Group Nephrology and Hypertension, Concord</td>
<td>1,441</td>
<td>1,434</td>
</tr>
<tr>
<td><strong>Dialysis Clinic, Incorporated</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boston (Tufts Medical Center) hemodialysis treatments</td>
<td>15,205</td>
<td>15,277</td>
</tr>
<tr>
<td>Ball Square hemodialysis treatments</td>
<td>10,867</td>
<td>11,609</td>
</tr>
<tr>
<td>Ball Square home-dialysis patients</td>
<td>64</td>
<td>60</td>
</tr>
<tr>
<td>Walden Pond hemodialysis treatments</td>
<td>6,202</td>
<td>6,449</td>
</tr>
</tbody>
</table>

Table 5: Comparison of Outpatient Dialysis Visits by Division Physicians at Affiliated Units: Fiscal Year 2013 vs. 2014

<table>
<thead>
<tr>
<th>Dialysis Unit</th>
<th>Number of Visits Fiscal Year 2013</th>
<th>Number of Visits Fiscal Year 2014</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Elizabeth’s Medical Center</td>
<td>149</td>
<td>144</td>
<td>-3.4%</td>
</tr>
<tr>
<td>Lawrence Memorial</td>
<td>109</td>
<td>68</td>
<td>-37.6%</td>
</tr>
<tr>
<td>Saugus</td>
<td>155</td>
<td>111</td>
<td>-28.4%</td>
</tr>
<tr>
<td>Stoneham</td>
<td>417</td>
<td>411</td>
<td>-1.4%</td>
</tr>
</tbody>
</table>

Table 6: Comparison of Outpatient Ambulatory Visits by Division Physicians at Affiliated Units: Fiscal Year 2013 vs. 2014

<table>
<thead>
<tr>
<th>Ambulatory Clinics</th>
<th>Number of Visits Fiscal Year 2013</th>
<th>Number of Visits Fiscal Year 2014</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawrence Memorial</td>
<td>599</td>
<td>478</td>
<td>-20.2%</td>
</tr>
<tr>
<td>Melrose Wakefield</td>
<td>6</td>
<td>17</td>
<td>183%</td>
</tr>
<tr>
<td>St. Elizabeth’s Medical Center</td>
<td>47</td>
<td>0</td>
<td>-100%</td>
</tr>
<tr>
<td>Reading</td>
<td>795</td>
<td>852</td>
<td>7.2%</td>
</tr>
</tbody>
</table>

**Nephrology Inpatient Services**
Every 14 days, the Division’s nephrologists rotate responsibility for care of patients hospitalized on the inpatient nephrology service at Tufts Medical Center. The nephrology and dialysis staff work closely with the nursing staff on North 7, the inpatient nephrology floor, to
maintain continuity of care. In addition, all Division attending physicians participate in the inpatient nephrology consultation service. The consultation service responds to over 70 requests monthly for evaluation of acute kidney injury, chronic kidney disease, fluid and electrolyte disorders, glomerulonephritis, hypertension, and solid organ and bone marrow transplant-related issues. The nephrology consultation service also provides expertise for all forms of renal replacement therapy, including but not limited to hemodialysis, peritoneal dialysis, continuous renal replacement therapy (CVVHD and SCUF), and charcoal hemoperfusion. Under the supervision of staff physicians, Division fellows perform all temporary access procedures required for initiating hemodialysis, including ultrasound-guided femoral and central catheter insertions.

**Kidney Transplantation**

Dr. Perrone is the Medical Director and all Division attending physicians also participate in the Tufts Medical Center Kidney Transplant Program. A relatively high proportion of kidney transplants derive from related or unrelated living donors. Tufts Medical Center is also an active participant in the UNOS Kidney Paired Donation Pilot Project that has centralized the coordination of sharing by mismatched donor-recipient pairs so as to allow regional and national paired-donor exchanges. Patients who have received transplants are seen weekly in the KBPC in the initial months following the transplant, thereafter at increasing intervals. The transplant team at Tufts Medical Center has conducted more than 1000 kidney transplants. In 2011, the kidney transplant program celebrated its 40th anniversary!

**Inpatient Dialysis**

Inpatient hemodialysis is performed in the Floating 7 inpatient dialysis unit and in Tufts Medical Center intensive care units. Drs. Perrone and Meyer share responsibility for the continuous renal replacement program, which uses NxStage System 1 machines to perform continuous venovenous hemodialysis.

DCI, the hospital’s inpatient dialysis provider, assigns nurses to perform inpatient hemodialysis treatments and to oversee and facilitate continuous hemofiltration therapies performed in the intensive care units. Linda Courtemanche, RN manages the inpatient dialysis program, which she joined in 1986. The staff performs both pediatric and adult hemodialysis. The program is organized with particular attention to patient flow; most of the patients receiving hemodialysis treatment are also undergoing many other tightly scheduled tests and procedures. Response time for emergency hemodialysis after hours is 45 minutes; during the day, treatments can be initiated even more quickly.

Inpatient peritoneal dialysis is performed in intensive care units and on the North 7, an inpatient adult medicine ward, where the nursing staff are trained to perform peritoneal dialysis. Tufts Medical Center is the only hospital in Greater Boston with a floor on which the staff nurses are trained to perform peritoneal dialysis. Linda Hames RN provides nursing education in peritoneal dialysis for staff on North 7 and throughout the hospital.
**Continuous Renal Replacement Therapy**

Dr. **Perrone** directs the continuous renal replacement therapies (e.g., continuous venovenous hemodialysis and slow continuous ultra filtration) program. These therapies support critically ill patients who have developed acute kidney injury as a complication of their underlying illnesses, other treatments, or surgery. Growing solid organ and bone marrow transplantation, cardiac surgery, and oncology programs will increase utilization of continuous renal replacement therapies.

**Inpatient Volume**

All volume numbers in Tables 7 and 8 are from the fiscal year October 2013 to September 2014, unless otherwise indicated. Inpatient activity at Tufts Medical Center and affiliated hospitals by Tufts Medical Center physicians are listed in Table 7. Table 8 lists inpatient treatments by DCI at Tufts Medical Center and Emerson Hospital.

Table 7: Comparison of DCI Inpatient Hemodialysis Treatments: Fiscal Year 2013 vs. 2014

<table>
<thead>
<tr>
<th>Institution and Location</th>
<th>Fiscal Year</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tufts Medical Center</strong>: Inpatient hemodialysis treatments</td>
<td>2,388</td>
<td>2,459</td>
</tr>
<tr>
<td><strong>Emerson Hospital</strong>: Inpatient hemodialysis treatments</td>
<td>211</td>
<td>170</td>
</tr>
</tbody>
</table>
Table 8: Comparison of Inpatient Activity: Fiscal Year 2013 vs. 2014

<table>
<thead>
<tr>
<th>Institution and Location</th>
<th>Fiscal Year</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2013</td>
<td>2014</td>
</tr>
<tr>
<td><strong>Tufts Medical Center</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient-days of service: Nephrology Consult &amp; Ward Services</td>
<td>9,154</td>
<td>8,736</td>
</tr>
<tr>
<td>Kidney transplants*</td>
<td>25</td>
<td>37</td>
</tr>
<tr>
<td>Days of CVVH and peritoneal dialysis treatments</td>
<td>587</td>
<td>610</td>
</tr>
<tr>
<td><strong>St. Elizabeth’s Medical Center</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>482</td>
<td>452</td>
</tr>
<tr>
<td><strong>Emerson Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>1,163</td>
<td>895</td>
</tr>
<tr>
<td><strong>Kindred Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>609</td>
<td>613</td>
</tr>
<tr>
<td><strong>Lawrence Memorial Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>1,202</td>
<td>626</td>
</tr>
<tr>
<td><strong>Melrose Wakefield Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>1,992</td>
<td>1,931</td>
</tr>
<tr>
<td><strong>Whidden Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>242</td>
<td>117</td>
</tr>
<tr>
<td><strong>Winchester Hospital</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Patient days of service</td>
<td>137</td>
<td>120</td>
</tr>
</tbody>
</table>

*Calendar year 2014

**Division Quality Improvement**

The division remains committed to improving the quality of care both for our patients and patients throughout the institution. Dr. Inker is Director for Quality Improvement for the Division.

**Morbidity and Mortality Rounds**

Morbidity and Mortality rounds are held approximately six times a year and provide the opportunity for fellows and attending physicians to discuss issues related to problems in knowledge or delivery of care that lead to patient poor outcomes, with the goal to develop systems to avoid these problems in the future. The focus of the fellows rounds are on quality improvement activities. Fellows are responsible for identifying a target behavior, measuring the appropriateness of delivered care, and presenting their findings at a Division conference. In this past year, we had several attending physicians present specific patient cases.
Community Service/Patient Education

Division staff members actively participate in community projects, particularly in neighboring Chinatown. In addition to health screenings, the Division has focused on education for health care providers, patients, and the general community. Please refer to Table 9 for a detailed listing of events.

Table 9: 2014 Community Service Events

<table>
<thead>
<tr>
<th>Type</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Night Out in Tai Tung Village</td>
<td>Chinatown</td>
</tr>
<tr>
<td>August Moon Festival</td>
<td>Boston</td>
</tr>
<tr>
<td>August Moon Festival</td>
<td>Quincy</td>
</tr>
</tbody>
</table>

In addition to specific events, members of the Division participate in community service organizations and projects.

- Team “Tufts Kidney Care” was the second highest fund raising team at the Boston PKD Walk in September raising more than $8000! Team member Roberta Falke continued her tradition of outstanding fundraising and was one of the top 10 fundraisers for the Boston walk. Elise Hoover and Osama Amro manned the PKD research table for Tufts and garnered lots of interest from walk participants.
• In 2014, Division members participated in the annual NKF Boston Kidney Walk.

2014 Patient Care Awards and Honors

• In the December 2014 “Top Doctors” issue of Boston Magazine, Drs. **Levey**, **Meyer**, **Perrone**, and **Sarnak** were recognized as Boston’s best nephrologists. This is the 5th year in a row Dr. Perrone has received this honor. Drs. Levey and Sarnak have been honored for the last 4 years and Dr. Meyer for the last 3 years!

• **Debbie Mitchell-Dozier, RN**, nurse in the Kidney and Blood Pressure Center, received the national Home, Community, and Ambulatory Care section Nursing Excellence Award from Nurse.com. Prior to the national award, she was a regional finalist and winner. As the national section awardee, she is eligible for the national Nurse of the Year award. Her award was highly publicized including being featured on New England Cable News. A special reception was held at Tufts Medical Center with the CEO from Nurse.com attending.

• At the DCI Annual Meeting, DCI Boston was recognized as one of only 50% of DCI units to have completed the 5 Diamond status. In addition, DCI Boston received the DCI 3 Star Award and DCI Ball Square received the DCI 2 Star Award for excellence in clinical care.

• **Rita McGill, MD** was recognized as one of Medscape’s Physicians of the Year. Highlighting Rita’s kidney donation this past May, Medscape added, “Any pain she suffered, she said, was mitigated by the overwhelming happiness of knowing that an organ she could live without was giving a new life to a kidney patient. She said she wanted to honor the courage of those with kidney disease and encourage others to donate a kidney.”
Research conducted in the Division is focused on solving clinical problems. Each research project has a domain expert, in most cases a nephrologist, a methods expert, and collaborators from other disciplines. The location of the Division offices, the KBPC, and the DCI Boston dialysis unit on 3 adjacent floors in the same building has been a major reason for the Division’s success in performing clinical research.

Division members collaborate with methods experts to use the research methods appropriate for epidemiology, clinical trials, development of clinical practice guidelines, and outcomes. We also collaborate with domain experts to focus on the research areas of: chronic kidney disease, assessment of kidney function, aging, nutrition, dialysis and transplantation, progression, polycystic kidney disease, acute kidney injury, and hypertension.

Division members were busy at this year’s American Society of Nephrology Renal Week. They presented:

27 Abstracts, 13 Oral Abstracts and 5 Invited Presentations!

2014 New Research Grant Awards

Figure 1 and Table 11 demonstrate the increasing dollars of research grant awards received by Division members.

Figure 1: Division of Nephrology Research Grant Awards FY 2010-2014, by type
Table 10 lists the 8 new research grants received in 2014.

Table 10: New Research Grant Awards Received in 2014

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Award Source</th>
<th>Type of Award</th>
<th>Title</th>
<th>Study Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Levey</td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Chronic Kidney Disease Prognosis Consortium</td>
<td>4</td>
</tr>
<tr>
<td>Dr. Miskulin</td>
<td>Intelomed</td>
<td>Clinical Trial</td>
<td>Measuring Cardiovascular Stress on Hemodialysis Patients</td>
<td>1</td>
</tr>
<tr>
<td>Dr. Perrone</td>
<td>Otsuka</td>
<td>Clinical Trial</td>
<td>A phase 3b, multi-center, randomized-withdrawal, placebo-controlled, double-blind, parallel-group trial to compare the efficacy and safety of Tolvaptan (45 to 120 mg/day, split-dose) in subjects with chronic kidney disease between late stage 2 and early stage 4 due to autosomal dominant polycystic kidney disease.</td>
<td>3</td>
</tr>
<tr>
<td>Dr. Perrone</td>
<td>Otsuka</td>
<td>Clinical Trial</td>
<td>A Phase 3b, Multi-center, Open-Label Trial to Evaluate the Long-Term Safety of Titrated Immediate-release Tolvaptan (OPC-41061, 30 mg to 120 mg/day, split dose) in Subjects with Autosomal Dominant Polycystic Kidney Disease.</td>
<td>4</td>
</tr>
<tr>
<td>Dr. Sarnak</td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Kidney Tubular Damage and Dysfunction Identify a Novel Axis of Kidney Disease</td>
<td>3</td>
</tr>
<tr>
<td>Dr. Weiner</td>
<td>Univ. of Minnesota</td>
<td>Clinical Trial</td>
<td>SPRINT ABPM Ancillary Study</td>
<td>1</td>
</tr>
<tr>
<td>Dr. Weiner</td>
<td>Janssen</td>
<td>Clinical Trial</td>
<td>A randomized, double-blind, event-driven, placebo-controlled, multicenter study of the effects of Canagliflozin on Renal and Cardiovascular Outcomes in subjects with Type 2 Diabetes Mellitus and Diabetic Nephropathy. The CREDENCE Trail (Canagliflozin and Renal Events in Diabetes with Established Nephropathy Clinical Evaluation Trial).</td>
<td>5</td>
</tr>
<tr>
<td>Dr. Weiner</td>
<td>Nephro-Genex</td>
<td>Clinical Trial</td>
<td>Phase 3 Randomized Double-Blind Placebo-Controlled Multicenter study to evaluate the safety and efficacy of Pyridorin in Subjects with Nephropathy due to type 2 diabetes</td>
<td>2</td>
</tr>
</tbody>
</table>
Total Amount and Type of Research Grant Awards

Table 11 shows the increasing numbers of research grant awards received by Division members.

Table **11**: Ongoing Research Grant Awards Received Prior to 2014.

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Award Source</th>
<th>Type of Award</th>
<th>Title</th>
<th>Year of Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Drew</td>
<td>ASN</td>
<td>Fellowship</td>
<td>FGF-23, ADMA-cognitive impairment in HD</td>
<td>2012</td>
</tr>
<tr>
<td>Dr. Inker</td>
<td>Pharmalink</td>
<td>Clinical Trial</td>
<td>Proteinuria reduction in primary IgA nephropathy</td>
<td>2011</td>
</tr>
<tr>
<td>Dr. Levey</td>
<td>NIH/NIDDK</td>
<td>Federal T32</td>
<td>Epidemiology, Clinical Trials and Outcomes Research</td>
<td>1999</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK</td>
<td>Federal R01</td>
<td>Kidney Function, Aortic Stiffness and Aging</td>
<td>2010</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK</td>
<td>Federal Subcontract</td>
<td>Proteomic Approach to CKD Biomarker Discovery and Validation</td>
<td>2010</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK</td>
<td>Federal</td>
<td>Folic Acid for Vascular Outcomes Reduction in Transplantation</td>
<td>2010</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK</td>
<td>Federal R01</td>
<td>Markers for CKD in a multi-ethnic representative population with measured GFR</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>NIH</td>
<td>Federal R01</td>
<td>Estimating GFR from a Panel of Endogenous Filtration Markers (Panel eGFR)</td>
<td>2012</td>
</tr>
<tr>
<td></td>
<td>NKF</td>
<td>Foundation Grant</td>
<td>GFR Decline as an Outcome for Clinical Trials in CKD</td>
<td>2012</td>
</tr>
<tr>
<td></td>
<td>DCI</td>
<td>Foundation</td>
<td>Monitoring PD Adequacy Using Serum Levels of Endogenous Filtration Markers</td>
<td>2013</td>
</tr>
<tr>
<td>Dr. Miskulin</td>
<td>DCI</td>
<td>Clinical Trial</td>
<td>Assessing the accuracies of an autoregulatory adequacy measure derived from the pulse oximeter pulse waveform and of the Crit-line device to predict fluid removal induced hypotensive events during hemodialysis</td>
<td>2012</td>
</tr>
<tr>
<td></td>
<td>NIDDK</td>
<td>Federal Subcontract</td>
<td>Blood Pressure in Dialysis</td>
<td>2010</td>
</tr>
<tr>
<td></td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Pragmatic Trials in Maintenance Hemodialysis</td>
<td>2008</td>
</tr>
<tr>
<td></td>
<td>DCI</td>
<td>Foundation</td>
<td>Decision Support for Anemia Management in HD</td>
<td>2008</td>
</tr>
</tbody>
</table>

Table **11** is continued on the next page.
<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Award Source</th>
<th>Type of Award</th>
<th>Title</th>
<th>Year of Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Perrone</td>
<td>Otsuka</td>
<td>Clinical Trial</td>
<td>A multi-center, longitudinal, observational study of patients with ADPKD to establish the rate, characteristics and determinants of disease progression</td>
<td>2012</td>
</tr>
<tr>
<td></td>
<td>NIDDK</td>
<td>Federal U01</td>
<td>PKD Clinical Trials Network</td>
<td>2002</td>
</tr>
<tr>
<td></td>
<td>Otsuka</td>
<td>Clinical Trial</td>
<td>A multi-center, parallel-group, randomized, double-blind, placebo-masked, multiple dose trial of modified-release and immediate-release (IR) Tolvaptan in ADPKD</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>Otsuka</td>
<td>Clinical Trial</td>
<td>Multi-center, open-label, extension study to evaluate the long-term efficacy and safety of Oral Tolvaptan Tablet Regimens in ADPKD</td>
<td>2011</td>
</tr>
<tr>
<td>Dr. Rao</td>
<td>DCI</td>
<td>Paul Teschan Research Award</td>
<td>Gastrointestinal Microbiota, Systemic Infection and Inflammation in Dialysis Patients</td>
<td>2010</td>
</tr>
<tr>
<td>Dr. Sarnak</td>
<td>NIH/NIDDK</td>
<td>Federal R01</td>
<td>Cognition and Dialysis</td>
<td>2008</td>
</tr>
<tr>
<td></td>
<td>NIH/NIDDK</td>
<td>Federal K24</td>
<td>Chronic Kidney Disease, Vascular Disease and Aging</td>
<td>2007</td>
</tr>
<tr>
<td></td>
<td>NIH</td>
<td>Federal R01</td>
<td>The Aging Kidney: Chronic Injury, Impaired Functions and Clinical Outcomes</td>
<td>2011</td>
</tr>
<tr>
<td>Dr. Weiner</td>
<td>NIH</td>
<td>Federal R01</td>
<td>Randomized Trial of Exercise Training on Cognitive and Physical Function in CKD</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>Keryx</td>
<td>Clinical Trial</td>
<td>A Three-Period, 58-Week Safety and Efficacy Trial of KRX-0502 (ferric citrate) in Patients with End-Stage Renal Disease (ESRD) on Dialysis</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>Keryx</td>
<td>Clinical Trial</td>
<td>A Long-term Safety Extension trial of KRX-0502</td>
<td>2012</td>
</tr>
<tr>
<td></td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>SPRINT Main Phase II</td>
<td>2010</td>
</tr>
<tr>
<td></td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Pulse Wave Velocity and Central Aortic Pressure Outcomes in SPRINT</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>DCI</td>
<td>Foundation</td>
<td>Safety and effects of supplementation with ergocalciferol</td>
<td>2012</td>
</tr>
<tr>
<td></td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>Renal disease, kidney cancer, and metalworking fluid exposure in autoworkers</td>
<td>2013</td>
</tr>
<tr>
<td></td>
<td>NIH</td>
<td>Federal Subcontract</td>
<td>MIND the Kidneys</td>
<td>2013</td>
</tr>
<tr>
<td>Dr. Wright</td>
<td>NIH</td>
<td>Federal F32</td>
<td>Infections in Patients treated with Dialysis: Incidence, Risk Factors and Outcome</td>
<td>2013</td>
</tr>
</tbody>
</table>
2014 Publications

A total of 68 print publications and 19 epublications were authored and/or co-authored by Division members in 2014. An asterisk beside a name indicates a current trainee as an author.

2014 Print Publications


44. **Levey AS, Shaffi K, Inker LA.** In reply to “Creatinine-based GFR estimating equations in kidney transplant recipients” and “Assessing kidney function in transplant recipients: time to work together and address the most relevant questions.” Am J Kidney Dis 2014;64:819. PMID:25344002.


2014 Division Epublications


2014 Research Awards and Honors

- Dr. Levey was listed in this year's Thomson Reuters Highly Cited List for Clinical Medicine. He was only 1 of 2 Tufts Medical Center researchers to be included on the list. Thomson Reuters created a list of the top 3,215 most cited—and therefore most
influential—researchers in the world by analyzing the number of times scientists were cited in others’ papers. To qualify, a scientist had to publish articles from 2002 to 2012 that ranked among the top 1% most cited of those within a given subject area.

- Dr. **Perrone** was appointed the new Scientific Director of the Clinical and Translational Research Center (CTRC), the patient study unit and service at Tufts Medical Center. His experience translating basic science discoveries to clinical medicine and extensive experience in clinical trial design and performance and oversight of research activities will be beneficial as the CTRC moves toward involvement in multi-site clinical trials.

- **Pranav Garimella, MD**, Research Fellow was selected as one of the Top Oral Abstracts by Trainees for the ASN Kidney Week 2014 Annual Meeting in Philadelphia, PA. His abstract entitled *Association of Serum Erythropoietin with Cardiovascular Events, Kidney Function Decline and Mortality: the Health ABC* was also highlighted in the on-site Program.

- **Osama Amro, MD**, Nephrology Fellow, was selected by the ASN Fellows’ Subcommittee to present his abstract *Dedicated Clinical Encounter Facilitates Advance Care Planning in Hemodialysis Patients: A Quality Improvement Project* for oral presentation at the Fellows’ Poster Discussion Session during the ASN Kidney Week 2014 Annual Meeting.

**EDUCATION**

The Division is committed to education. Local and national initiatives involve all members of the Division. National efforts stem largely from leadership and participation in basic and clinical research, service to national organizations and boards that establish standards in clinical practice and educational testing, and speaking engagements at local, national, and international conferences. Affiliations with TUSM, TUSDM, the Friedman School of Nutrition Science and Policy, and the Sackler School of Graduate Biomedical Sciences at Tufts University are the focus of most of our local education initiatives.

“As meaningful as any teaching award!” — an Email to Dr. Gilbert

“Five 2nd year tufts med students here (L-R Jory Kahan, Molly Hallweaver, Lindsay Tishberg, Caroline Melhado, Karl Santiago). Just wanted to let you know that we really wanted to take some ibuprofen before our Cape Cod Half Marathon this morning, but because of you we knew we shouldn’t be messing around with our afferent arteriole’s vasoconstriction ability before strenuous activity. We all finished, replenished our fluids, and finally took some to ease our aches and pains.”
2014 Education Initiatives

Visiting Professors
The Division had 2 visiting professors this year. Table 12 lists the professors and their presentation topics.

Table 12: 2014 Visiting Professors

<table>
<thead>
<tr>
<th>Visiting Professor</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kai-Uwe Eckardt, MD</td>
<td>Renal hypoxia in polycystic kidney disease</td>
</tr>
<tr>
<td>University of Erlangen-Nuremberg Germany</td>
<td></td>
</tr>
<tr>
<td>Anselm Blumer, PhD</td>
<td>KNN for GFR estimation</td>
</tr>
<tr>
<td>Tufts University</td>
<td></td>
</tr>
</tbody>
</table>

Continuing Education Initiatives

Table 13: Longstanding Graduate-level Teaching Initiatives by Division Members

<table>
<thead>
<tr>
<th>School</th>
<th>Course</th>
<th>Personnel</th>
</tr>
</thead>
<tbody>
<tr>
<td>TUSM</td>
<td>Renal Pathophysiology Course</td>
<td>Dr. Gilbert, Course Director</td>
</tr>
<tr>
<td></td>
<td>Physical Diagnosis Course</td>
<td>Nephrology fellows and several members of the physician staff</td>
</tr>
<tr>
<td></td>
<td>Renal Ward Service</td>
<td>Division Attendings</td>
</tr>
<tr>
<td></td>
<td>3-part clinical nephrology series for Internal Medicine Clerkship</td>
<td>Dr. Gilbert</td>
</tr>
<tr>
<td></td>
<td>Consultative Nephrology</td>
<td>Dr. Gilbert, Course Director</td>
</tr>
<tr>
<td></td>
<td>Medical Education elective</td>
<td>Dr. Gilbert</td>
</tr>
<tr>
<td></td>
<td>Cell and Molecular Pharmacology</td>
<td>Dr. Gilbert, Nephrology Section Leader</td>
</tr>
<tr>
<td></td>
<td>Selective Program Mentor</td>
<td>Dr. Weiner</td>
</tr>
<tr>
<td></td>
<td>Cardiovascular Epidemiology</td>
<td>Dr. Rao</td>
</tr>
<tr>
<td></td>
<td>Lecture in Pathobiology</td>
<td>Dr. Perrone</td>
</tr>
<tr>
<td>Tufts University School of Dental Medicine</td>
<td>Lectures on topics related to hypertension and nephrology</td>
<td>Drs. Meyer and Weiner</td>
</tr>
<tr>
<td>Friedman School of Nutrition Science and Policy</td>
<td>Lectures on kidney disease, hypertension and nephrology</td>
<td>Drs. Balakrishnan, Meyer, and Weiner</td>
</tr>
<tr>
<td></td>
<td>Nutritional Biochemistry and Physiology</td>
<td>Dr. Gilbert, Nephrology Section Leader</td>
</tr>
<tr>
<td>Sackler School</td>
<td>Renal Pharmacology</td>
<td>Dr. Gilbert</td>
</tr>
<tr>
<td>The Francis Stern Nutrition Center at Tufts Medical Center</td>
<td>4-week experiential rotation in DCI Boston dialysis unit</td>
<td>Poonhar Poon, RD</td>
</tr>
</tbody>
</table>
Table 14: Longstanding Postgraduate-level Teaching Initiatives by Division Members

<table>
<thead>
<tr>
<th>Institution</th>
<th>Role</th>
<th>Personnel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sackler School of Graduate Biomedical Sciences at Tufts University</td>
<td>Mentor fellows during their independent research and thesis preparation in pursuit of a Masters of Science degree</td>
<td>Drs. Levey, Balakrishnan &amp; Sarnak</td>
</tr>
<tr>
<td>TUSM Department of Pharmacology and Experimental Therapeutics</td>
<td>Coordinate the Nephrology Section of the Advanced Molecular and Cellular Pharmacology Course</td>
<td>Dr. Gilbert</td>
</tr>
<tr>
<td>Tufts Medical Center</td>
<td>Renal Ward Service Nephrology Consultation Service Intern and Resident Teaching</td>
<td>Division Attendings</td>
</tr>
<tr>
<td></td>
<td>KBPC senior medical residents</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Morning Report and Noon Conference</td>
<td></td>
</tr>
</tbody>
</table>

**Fellowship Programs**

Dr. Gilbert is the Director of the highly respected clinical fellowship training program. A well-organized curriculum emphasizes breadth and depth of clinical experiences with rotations at Tufts Medical Center and SEMC.

Over the past 15 years, approximately 39% of the 38 graduates of the fellowship program have continued in full-time academic positions. Another 16% have become private practitioners with substantial teaching responsibilities, many in hospitals with university affiliations. The remaining graduates are largely engaged in private practice.

During the past academic year, 120 applications to the clinical fellowship program were submitted.
reviewed for 2 open positions available in 2015. Table 15 and Table 16 list graduating and current clinical fellows.

Table 15: Graduated Clinical Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Training Period</th>
<th>Current Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alin John, MD, MS</td>
<td>2013-2014</td>
<td>Pratt Medical Group</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boston MA</td>
</tr>
<tr>
<td>Malar Ramasamy, MD</td>
<td>2012-2014</td>
<td>Private Practice</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Atlanta GA</td>
</tr>
<tr>
<td>Roshan Sher Ali, MD</td>
<td>2012-2014</td>
<td>Private Practice</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chicago IL</td>
</tr>
<tr>
<td>Amanda Leonberg-Yoo, MD</td>
<td>2013-2014</td>
<td>Nephrology Research Fellowship</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tufts Medical Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boston MA</td>
</tr>
</tbody>
</table>

Table 16: Current Clinical Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Training Period</th>
<th>Previous Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sindu Arjun, MD</td>
<td>2014-2016</td>
<td>Resident</td>
</tr>
<tr>
<td></td>
<td></td>
<td>St Vincent’s Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worcester MA</td>
</tr>
<tr>
<td>David Drew, MD, MS</td>
<td>2014-2015</td>
<td>Nephrology Research Fellow</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tufts Medical Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boston MA</td>
</tr>
<tr>
<td>Nintender Goyal, MD</td>
<td>2013-2015</td>
<td>Resident</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Carney Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boston MA</td>
</tr>
<tr>
<td>Kate Michener, MD, MS</td>
<td>2014-2015</td>
<td>Nephrology Research Fellow</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tufts Medical Center</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boston MA</td>
</tr>
<tr>
<td>Nar Variothai, MD</td>
<td>2014-2016</td>
<td>Resident</td>
</tr>
<tr>
<td></td>
<td></td>
<td>St Elizabeth’s Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Youngstown OH</td>
</tr>
</tbody>
</table>

Research Fellowship Training

Continuing Research Fellowship Training Initiatives
The Division offers training in clinical research, under the direction of Drs. Levey and Sarnak at Tufts Medical Center or under the direction of Drs. Jaber and Madias at SEMC.
Clinical Investigator Track: NIDDK Training Grant

The NIDDK Institutional Research Training Award in "Epidemiology, Clinical Trials and Outcomes Research in Nephrology" funds three trainees per year in the Clinical Investigator Track. This program is designed for fellows aspiring to a career as an independent investigator in clinical research in nephrology. The program has been focused primarily on chronic kidney disease, although in recent years, there is a growing interest in acute kidney injury. The specific aims of the Training Program are:

1. Didactic Training - course work in fulfillment of the MS degree in the Graduate Program in Clinical Research at the Sackler School of Graduate Biomedical Sciences at Tufts University;

2. Independent Study - a hypothesis-based research project supervised by a nephrologist mentor and a research team of faculty with expertise in other disciplines;

3. Training in Presentation - participation in conferences and seminars designed to improve trainees' oral and written presentations.

Nephrologist mentors ensure integration of all aspects of the curriculum with trainees’ research projects.

Research Fellowship Program Statistics

We have 5 current research fellows in training. We received 35 applications in 2014 for 1 open research fellowship position in 2015. See Table 17 and Table 18 for listings of graduated and current research fellows.

Table 17: Graduated Research Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Training Period</th>
<th>Current Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Drew, MD, MS</td>
<td>2011-2014</td>
<td>Clinical Nephrology Fellow Tufts Medical Center Boston MA</td>
</tr>
<tr>
<td>Katherine Michener, MD, MS</td>
<td>2012-2014</td>
<td>Clinical Nephrology Fellow Tufts Medical Center Boston MA</td>
</tr>
</tbody>
</table>
Continuing Medical Education

2014 Medical Education Initiatives

Continuing Medical Education Initiatives
Table 19 lists the continuing education presentations given by Division faculty in 2014. The table excludes presentations given within the Division, as all faculty are expected to present one Journal Club and one Research Conference annually.
Table 19: 2014 Local, National, and International Presentations by Division Faculty

**LOCAL/REGIONAL PRESENTATIONS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Gilbert</td>
<td>Hypertension Guidelines: An Update</td>
<td>Medical Grand Rounds</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Winchester Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Winchester, MA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hypertension Guidelines: An Update</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Medical Grand Rounds</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Caritas Carney Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dorchester, MA</td>
</tr>
<tr>
<td>Dr. Perrone</td>
<td>Kidney Transplant Recipient and Donor Issues</td>
<td>Medical Grand Rounds</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Steward Norwood Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Norwood, MA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tolvaptan, PKDOC and International Standards of Care for ADPKD Patients</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PKD Foundation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New England Chapter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Waltham, MA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PKD Clinical Trial Update</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Polycystic Kidney Disease Symposium</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Harvard Medical School</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boston, MA</td>
</tr>
<tr>
<td>Dr. Sarnak</td>
<td>Challenging Renal Cases for the Boards</td>
<td>Harvard Brigham Nephrology Course</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boston, MA</td>
</tr>
</tbody>
</table>

**NATIONAL PRESENTATIONS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr Levey</td>
<td>Visiting Professor</td>
<td>Icahn School of Medicine</td>
</tr>
<tr>
<td></td>
<td></td>
<td>New York, NY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lecturer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ASN Board Review Course/Update</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chicago, IL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Lecturer, Oral abstract session</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ASN Fall Meeting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Philadelphia, PA</td>
</tr>
<tr>
<td>Dr. Madias</td>
<td>American College of Physicians</td>
<td>Internal Medicine Annual Meeting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Orlando, FL</td>
</tr>
</tbody>
</table>

Table 19 is continued on the next page.
Table 19 Continued: 2014 Local, National, and International Presentations by Division Faculty

<table>
<thead>
<tr>
<th>Dr. Perrone</th>
<th>New Directions for ADPKD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NKF Spring Clinical Meeting</td>
</tr>
<tr>
<td></td>
<td>Las Vegas, NV</td>
</tr>
<tr>
<td>Genetics of Non-Glomerular Disease</td>
<td>NKF Spring Clinical Meeting</td>
</tr>
<tr>
<td></td>
<td>Las Vegas, NV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Richardson</th>
<th>Health-related Quality of Life – It's Not Just for Social Workers Anymore. How Every Member of the Interdisciplinary Team Can Use HRQOL Scores to Impact Patient Care</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>34th Annual Dialysis Conference</td>
</tr>
<tr>
<td></td>
<td>Atlanta, GA</td>
</tr>
<tr>
<td>Measuring and Improving Patient Experience in Dialysis</td>
<td>34th Annual Dialysis Conference</td>
</tr>
<tr>
<td></td>
<td>Atlanta, GA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Sarnak</th>
<th>Renal Rounds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>New York University</td>
</tr>
<tr>
<td></td>
<td>New York, NY</td>
</tr>
<tr>
<td>Hypertension in Older CKD Patients (KDIGO)</td>
<td>NKF Spring Clinical Meeting</td>
</tr>
<tr>
<td></td>
<td>Las Vegas, NV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Sarnak</th>
<th>Visiting Professor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Drexel University College of Medicine Hahnemann University Hospital</td>
</tr>
<tr>
<td></td>
<td>Philadelphia, PA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Weiner</th>
<th>How to Make Real Changes in a Dialysis Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NKF Spring Clinical Meeting</td>
</tr>
<tr>
<td></td>
<td>Las Vegas, NV</td>
</tr>
<tr>
<td>Eating and Enteral Therapy during Hemodialysis</td>
<td>NKF Spring Clinical Meeting</td>
</tr>
<tr>
<td></td>
<td>Las Vegas, NV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Weiner</th>
<th>Understanding the Readmission Problem in Dialysis Patients</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NKF Spring Clinical Meeting</td>
</tr>
<tr>
<td></td>
<td>Las Vegas, NV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Weiner</th>
<th>Cognitive and Psychological Disorders</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NKF Spring Clinical Meeting</td>
</tr>
<tr>
<td></td>
<td>Las Vegas, NV</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Weiner</th>
<th>Literature Review, Dialysis 2013-14</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NKF Spring Clinical Meeting</td>
</tr>
<tr>
<td></td>
<td>Las Vegas, NV</td>
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Table 19 is continued on the next page.
Table 19 Continued: 2014 Local, National, and International Presentations by Division Faculty

| ESCOs and ACOs: Accountable Care in Nephrology |
| National Kidney Foundation Spring Clinical Meeting |
| Las Vegas, NV |
| Fluid Management in Hemodialysis: What Does the Future Hold? |
| American Society of Nephrology |
| Philadelphia, PA |

Dr. Weiner How to Care for Dialysis Patients in a World of Population Quality Metrics |
| American Society of Nephrology |
| Philadelphia, PA |

**INTERNATIONAL PRESENTATIONS**

Dr. Madias Invited Lecturer |
| 18th Panhellenic Congress of Nephrology |
| Alexandroupolis, Greece |

Dr. Perrone Therapeutic Intervention in ADPKD: Disease Mechanisms and Pathways to Drug Development |
| Vertex, Laval |
| Quebec, Canada |

Cardiovascular Complications in PKD |
| Polycystic Kidney Disease: From Molecular Mechanisms to Therapy |
| Federation of American Societies for Experimental Biology |
| Lucca, Italy |

**Editorial Appointments**

**American Journal of Kidney Diseases**

The Division houses the editorial office of the *American Journal of Kidney Diseases* (AJKD), the official journal of the NKF, and division members lead a multi-institution effort to continue to enhance AJKD’s position as the preeminent clinical journal in nephrology. The first issue of AJKD compiled by Tufts Medical Center appeared in January 2007; in January 2012, the Tufts-based team began its second five-year term as the site of the editorial office.

Dr. Levey is the Editor-in-Chief and Dr. Weiner serves as the Deputy Editor. Other Tufts Medical Center–based editors of AJKD include Drs. Balakrishnan, Gilbert, and Foster and Mr. Tighiouart. The Editorial Board includes five additional Editors affiliated with other hospitals, as well as 100+ editorial board members worldwide, including Dr. Harrington,
Dean Emeritus of the Tufts School of Medicine.

The editorial office is staffed by Nijsje Dorman (Managing Editor), Elizabeth Bury (Associate Managing Editor), Elizabeth Frank (Features and Projects Editor), Caroline Blanchard (Editorial Assistant), and Barbara Saper (Editorial Office Associate). The editorial office is located on the first floor of the Traders Building at 35 Kneeland Street.

Continuing a trend of increasing manuscript submissions, AJKD received nearly 1,700 submissions in the 2014 operating year, with approximately 12% of original research articles accepted for publication. According to the 2014 Journal Citation Reports, published by Thomson Reuters, the 2013 impact factor for AJKD is 5.756, making it the highest-ranked journal focusing on clinical nephrology.

In keeping with the journal’s goal of communicating important information in clinical nephrology in a way that helps physicians to provide their patients with the highest standard of care, AJKD published a key document on implementation of best practices for evaluation and management of chronic kidney disease. The article, from KDOQI (the NKF’s Kidney Disease Outcomes Quality Initiative), gave expert guidance on an international clinical practice guideline and its relevance and application to US clinical practice.

In December of 2014, AJKD published a series of high-impact articles arising from a workshop cosponsored by the NKF and the FDA and chaired by Dr. Levey. These articles explored GFR decline as an alternative surrogate end point for clinical trials in CKD, with the goal of optimizing trial duration and sample size to accelerate therapeutic advances in the treatment of kidney disease.

Finally, AJKD continues to be a strong advocate of World Kidney Day and associated disease awareness activities. The March 2014 issue contained an editorial from the World Kidney Day initiative highlighting the significance of global population aging to trends in chronic kidney disease prevalence.

Other Editorial Board Appointments

In addition to their responsibility for editorship of American Journal of Kidney Diseases, members of the Division serve on other editorial boards.

- Dr. Madias is a member of several editorial boards including Hippokratia, Hellenic Medicine, Kidney: A current survey of world literature, International Angiology, and Arterial Hypertension.
2014 Education Awards and Honors

- Dr. **Meyer** received the TUSM Distinguished Faculty Award. This award is faculty-initiated, and recognizes individuals who have made “outstanding contributions to Tufts University School of Medicine and have brought distinction to him/herself in teaching, scholarship and service. Distinguished Faculty are gifted teachers who can lead and inspire students to achieve the best that is within themselves and demonstrate excellence of leadership and superior teaching that serves as a standard for the entire Faculty. They have also achieved national and international leadership positions in the research on all aspects of human health and disease, and who continue to make important advances in their own fields. And, finally play a significant role in the academic life of the Institution, in his/her profession, and in the myriad activities with service to patients and associates. Within the Division, he joins Drs. Levey and Perrone as TUSM Distinguished Faculty Award recipients.

- Drs. **Gilbert and Sarnak** received recognition for excellence in teaching from TUSM students on the Medicine Clerkship.

- Dr. **Gilbert** received other education awards: the Outstanding Attending Teaching Award from the House Staff at the end of the year party; the 1st and 2nd year medical students ranked him in the top 10% of all TUSM lecturers and awarded him the Outstanding Lecturer for 2013-2014; and the Class of 2014 Outstanding Teaching in the Pre-Clerkship Years Award.

- Since 2012, the Tufts Medical Center House Staff rated the Renal Ward Service as the best inpatient educational experience. The house staff gave the renal outpatient experience the highest rating in 2014.

**PUBLIC POLICY**

2014 Policy Initiative Accomplishments

- Drs. **Levey** and **Inker**, together with colleagues from Tufts, Johns Hopkins and the University of Utah, published the report and original investigations from the 2012 NKF-FDA Scientific Workshop on “GFR Decline as an End Point Clinical Trials in Chronic Kidney Disease” in the American Journal of Kidney Diseases. Dr. Levey was the Co-chair of the workshop and Dr. Inker led the analysis team.
Continuing Policy Initiatives

Chronic Kidney Disease in Nicaragua
Dr. Weiner is collaborating with public health researchers from Boston University School of Public Health to investigate chronic kidney disease among workers in rural Nicaragua. The objective of this research is to explore the reported high prevalence of kidney disease among working age residents in rural northwest Nicaragua to better define prevalence and to develop hypotheses regarding cause.

DCI Information Systems
Dr. Meyer serves as Medical Director for Information Systems for Dialysis Clinic, Inc., chairs its Medical Director Computer Steering Committee, and serves on its Quality Management Committee. Dr. Meyer is one of the principal architects of DCI’s information system, which sets an industry standard for quality of care and of information, and continues to participate in its development. The team’s numerous current projects include development of decision support tools for treatment of chronic kidney disease mineral bone disorder in end-stage renal disease, and the implementation of an interface between hemodialysis machines and the information system.

DCI Outcomes Monitoring Program
Dr. Richardson directs the corporate-wide DCI Outcomes Monitoring Program, which has been in existence 20 years! The program has two facets, one is the use of patient-reported outcomes using patient-based surveys to improve care, and the other is the collection of high-quality comorbidity data. Health-related quality of life is assessed using the SF-36+24 or the KDQOL-36 questionnaire. Dr. Richardson and her staff work with DCI Corporate and clinic-level staff to incorporate the results of the health-related quality of life surveys into patient care and quality improvement initiatives. Patient experience is evaluation through the CMS-mandated ICH CAHPS survey and internally through a patient satisfaction questionnaire. Data are collected from all DCI chronic dialysis units.

Dr. Miskulin leads the Comorbidity Assessment Program, as part of the Outcomes Monitoring Program. She also works with the DCI Research Department to review and develop new studies to implement in DCI dialysis units and is the medical monitor for the Safety and Effects of Supplementation with Ergocalciferol on Erythropoietin Dosing in Hemodialysis Patients, A Randomized Trial. Up until her retirement, Alice Martin, RN assisted Dr. Miskulin with projects in the Comorbidity Assessment Program. Ms. Martin was also a DCI Project Manager with the DCI Research Department and was involved with various projects including training and supporting DCI clinical research coordinators in implementation of clinical trials.

National Kidney Disease Education Program
Dr. Inker is a member of the National Kidney Disease Education Program (NKDEP) of the
NIDDK. Dr. Levey has participated in the efforts of the NKDEP to recommend reporting GFR estimates by clinical laboratories and to standardize serum creatinine assays for more accurate GFR estimation.

**Polycystic Disease Outcomes Consortium**

In 2009, Dr. Perrone was appointed as the Clinical Lead of the Polycystic Disease Outcomes Consortium. The goal of the Consortium is to establish a PKD clinical database. This appointment was the culmination of several years of effort. In 2007, Dr. Perrone was appointed as Chairman of the Steering Committee for the Clinical Trial Endpoints and Therapies in Polycystic Kidney Disease workshop jointly sponsored by the FDA and the PKD Foundation. As an extension of this workshop, Dr. Perrone chaired the 2008 Polycystic Kidney Disease Database Consortium meeting with the FDA and representatives from the pharmaceutical industry and academic institutions. Dr. Perrone continues to work with the FDA, the PKD foundation, CDISC, and C-PATH. These efforts are directed toward the ultimate acceptance, by the FDA, of total kidney volume as a surrogate endpoint for PKD clinical trials.

**Philanthropic Support of the Division**

**2014 Philanthropic Initiatives**

**The Driscoll Family Fund**

The William B. Schwartz Division of Nephrology is pleased to announce a new philanthropic initiative. *The Driscoll Family Fund in Nephrology* was created in 2014 through the generosity of Ms. Dolores Driscoll and is under the direction of Dr. Levey. The purpose of *The Driscoll Family Fund in Nephrology* is to specifically fund research in the area of kidney disease.

We are extremely honored by the following Founding Gift to *The Driscoll Family Fund in Nephrology*:

- Mr. and Mrs. Robert Driscoll (Fund Founders)

**Continuing Philanthropic Initiatives**

**The Inker Family Fund**

The *Inker Family Fund* was created in 2010 through the generosity of Lesley Inker, MD and Ben Inker, in honor of their wedding on January 16, 2011. The *Inker Family Fund* is under the direction of the Chief of the Division of Nephrology, with an initial goal to provide direct support to kidney patients, whether they are in the Kidney Transplant Program; receiving
dialysis through the DCI or another dialysis provider; or receiving any type of treatment for kidney disease. A committee comprised of Dr. Perrone, Kathleen Murray, MSW (dialysis social worker), Katie Saunders, MSW (transplant social worker), and Linda Mazzola, RN (pediatric nephrology nurse) has the discretion to easily meet patient needs based on the Inker Family Fund criteria. Funds are available to provide emergency support to patients with kidney disease for which there are no other sources of support.

We are extremely honored by the following Founding Gifts to the Inker Family Fund:

**Individual Donors**
- Dr. Lesley Inker & Mr. Benjamin L. Inker (Fund Founders)
- Mr. and Mrs. Lawrence J. Beaser
- Mr. and Mrs. Ray A. Beaser
- Mr. and Mrs. Murray Blankstein
- Dr. and Mrs. Barry Borden
- Dr. Ilana Braun and Mr. Jed Wise
- Ms. Rhoda Brown
- Mr. and Mrs. Adam Cohen
- Mr. and Mrs. Jerry Cohen
- Mr. and Mrs. Robert Cohen
- Dr. Josef Coresh and Dr. Michelle J. Hindin
- Mr. and Mrs. Domenic Esposito
- Mr. Morley Faber and Dr. Adeera Levin
- Dr. and Mrs. Irv Feferman
- Ms. Elizabeth J. Fitzgerald
- Dr. Don Gaddy
- Dr. Lisa Gilbert and Dr. Scott Gilbert
- Mr. and Mrs. Stephen Goldman
- Mr. and Mrs. Ronnie Goldstein
- Mr. and Mrs. Campe Goodman
- Mr. and Mrs. Robert J. Grantham
- Dr. and Mrs. Bernard Grodzinski
- Ms. Mimi Hollenberg
- Mr. David C. Jacobson and Ms. Rochelle K. Greene
- Mr. and Mrs. Matthew J. Kadan
- Mr and Mrs William Kassell
- Mr. and Mrs. Josef Kastner
- Ms. Ruth L. Kastner
- Dr. Jessica Kirshner and Mr. Dan Sommers
- Mr. and Mrs. Raymond Koskie
- Ms. Diane A. Lapon
- Mr. Ivan Lehon and Ms. Tal Kastner
- Dr. Andrew S. Levey and Dr. Roberta Falke
- Dr. Julie Maggi
- Dr. and Mrs. Herb Marcus
- Mr. Ken Miller and Dr. Debra Miller
- Ms. Alexandra C. Moller
- Mr. and Mrs. Michael Offner
- Ms. Alison Osattin
- Mr. and Mrs. Kirk A. Ott
- Ms. Ronna J. Perlmutter
- Dr. and Mrs. Alan D. Persky
- Mr. and Mrs. M. Laurence Popofsky
- Mr. and Mrs. Morton Prager
- Mrs. Nancy Prussky and Mr. Ronald Steinberg
- Mr. and Mrs. Michael Rabieh
- Dr. and Mrs. Anthonie Rebuck
- Ms. Guinnevere Roberts and Mr. Timothy D. Male
- Mr. and Mrs. James Sallinger
- Ms. Maxine Savitz
- Ms. Kerri Scharr and Dr. Daniel Weiner
- Mr. Roger A. Seltzer
- Mr. Jamie Shields and Ms. Shawna Colvin
- Mr. and Mrs. Murray A. Silver
- Mr. and Mrs. Hy Spector
- Ms. Ann M. Spruill
- Dr. and Mrs. Howard Stevens
- Dr. Ali Taradash and Mr. Jeremy Dacks
- Dr. Joshua Tepper
- Dr. and Mrs. George Theodosiou
- Dr. Kathryn Tinckam and Mr. Takashi Yamahito
- Ms. Donna Valikoff
- Mr. and Mrs. George Weinberger
- Dr. and Mrs. Kenneth Wener
- Rabbi Eric and Amy Yoffie
- Dr. and Mrs. Harvey Zimmerman

**Corporate/Institutional Donors**
- Grantham, Mayo, Van Otterloo & Co., LLC (Matching gift)
- The Ira Gluskin & Maxine Granovsky Gluskin Charitable Foundation
2014 Inker Family Fund Updates

- We are grateful for the many donations to the Inker Family Fund in 2014.
  - Mr. Craig P. Baskin
  - Mr. and Mrs. Matthew Kadnar
  - Mrs. Anne Indelicato
  - Dr. and Mrs. Leonard H. Inker
  - Dr. Lesley Inker and Mr. Benjamin L. Inker
  - Mrs. Jean McCorry, RN
  - Dr. Ronald D. Perrone and Ms. Diane Price
  - Ms. Donna Valikoff
  - Mr. and Mrs. George Weinberger
  - Dr. Daniel Weiner and Ms. Kerri Scharr
  - Ms. Elizabeth Wenger

- Basic necessities such as grocery store gift cards, utility payments, coats and shoes, medical and insurance copayments have been provided by the Inker Family Fund in 2014.

Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine Endowed Chair in Nephrology at Tufts University School of Medicine and Tufts Medical Center

The Dr. Gerald J. and Dorothy R. Friedman Professor of Medicine Endowed Chair in Nephrology at Tufts University School of Medicine and Tufts Medical Center was established in 2001 with Dr. Andrew S. Levey as its first recipient. The fund is used to support the operations for clinical care, research, and education in nephrology within the Division.

Gerald J. Friedman, MD was an internist known as a superb diagnostician, as well as a specialist in diabetes, cardiac disease, endocrinology, and nutrition.

A lifelong New Yorker, Dr. Friedman earned his bachelor’s and medical degrees from New York University College, returning to teach there for most of his career. After serving as commanding officer at the 222nd Station Hospital in World War II, he joined the staff of Beth Israel Medical Center in New York, where he remained for the rest of his career, serving on almost every significant committee and as President of the Medical Board.

Dr. Friedman always maintained an active practice and a reputation for thorough physical examinations in the city. For more than 30 years beginning in 1957, he was also international
medical director for the United Parcel Service, and an active member of the Industrial Medical Association.

He wrote extensively on the management of diabetes, especially in the workplace, at a time when many employers discriminated against people with diabetes. He also helped the New York Diabetes Association establish a summer camp in upstate New York for children with diabetes.

While playing saxophone during his days as a medical intern, Dr. Friedman met and married Dorothy Ross, a Boston-born jazz pianist and recording artist. While Mrs. Friedman stopped performing professionally after her husband finished his residency, her private playing has always entertained the Ross and Friedman families and friends.

Dr. Friedman died on November 25, 2004 at the age of 91. He is survived by his wife Dorothy and his niece, Jane Friedman.

**2014 Friedman Fund Updates**

- In 2014, the Gerald J. and Dorothy R. Friedman New York Foundation for Medical Research had a significant presence in San Francisco at the American Diabetes Association’s 74th Scientific Sessions — the world’s foremost meeting on diabetes — where 11 Friedman Fellows presented their work on some of the most cutting-edge diabetes and food & nutrition research in the country, ranging from the role of vitamin D in diabetes, to diabetes and cancer, to food sources in the Navajo Nation.

**William B. Schwartz Nephrology Fund**

Bill Schwartz founded the Division of Nephrology at Tufts Medical Center in 1950 and served as its chief until 1971. He developed the Division into a preeminent referral center for patients with kidney diseases in the New England region and beyond, and he cared personally for hundreds of patients. He made landmark discoveries that revolutionized our understanding of the pathophysiology and management of acid-base and electrolyte disorders. But most importantly, he created a school of rigorous pathophysiological thought and analytical reasoning, whose graduates have contributed greatly to the field of nephrology.

We have endeavored to preserve Dr. Schwartz’s academic legacy by establishing the *William B. Schwartz Nephrology Fund*. The fund was created in 2000 by charitable gifts to Tufts Medical Center on the 50th anniversary celebration of the founding of the Division and reunion of faculty and trainees. The Fund supports a number of academic initiatives of the Division, including research and training opportunities for both junior and senior investigators within...
the Division.

We are extremely honored by the following Founding Gifts to the William B. Schwartz Nephrology Fund:

**Individual Donors**
- Mr. and Mrs. John P. Brogan
- Dr. John Harrington
- Dr. Jerome and Sheridan Kassirer
- Dr. Andrew Levey and Dr. Roberta Falke
- Dr. David and Lynn Lowance
- Drs. Nicolaos and Ourania Madias
- Dr. Dwight and Rhonda Makoff
- Dr. Mark and Judy Needle
- Dr. Brian and Dr. Sunita Pereira
- Dr. Jill Speigel

**Corporate/Institutional Donors**
- AMGEN, Inc.
- Dialysis Clinic, Inc. Boston
- Genzyme
- Merck & Co.
- Ortho BioTech

**2014 Schwartz Fund Updates**

- In 2014, $25,000 were expended to support research projects for trainees Pranav Garimella, MD and Osama Amro, MD.

- In 2014, we were very appreciative to receive new gifts from the following:
  - Mr. and Mrs. Robert Driscoll
  - Dr. and Mrs. Howard B. Garfinkel
Dr. John T. Harrington Endowed Fund

The Dr. John T. Harrington Endowed Fund was created in 2006. It was established by charitable gifts to Tufts Medical Center in honor of Dr. Harrington’s 70th birthday. Through his outstanding career, Dr. Harrington, Dean Emeritus at TUSM, has played a vital role in Tufts Medical Center’s Division of Nephrology. Widely known as a gifted nephrologist who has brought long-term hope to seriously-ill patients, his contributions to the field of Nephrology are many. In the early 1970s, Dr. Harrington developed the hemodialysis, peritoneal dialysis and kidney transplant programs. Another of his most notable contributions to medical education and nephrology was his leadership of the “Nephrology Forum” in Kidney International, the official journal of the International Society of Nephrology. The Forum served as an invaluable resource of information and perspective for nephrologists around the globe for over 25 years.

The Dr. John T. Harrington Endowed Fund supports a mission that Dr. Harrington holds near and dear—the continuous medical education of physicians, both young and more senior, on the delivery of the highest-quality care possible to patients suffering from kidney disease. Each year, the Harrington Fund supports a Visiting Professor in the Division of Nephrology to participate in the evaluation of the Division’s research training program and to speak at Grand Rounds in the Department of Medicine. In addition, the Harrington Fund can support other educational programs and initiatives within the Division, include innovative research projects that require seed funding and special patient care projects.

We are very grateful for the following Founding Gifts for the Dr. John T. Harrington Endowed Fund:

Individual Donors
- Mr. Thomas F. and Mrs. Mary J. Shields
- Mr. and Mrs. John P. Brogan
- Drs. Nicolaos and Ourania Madias
- Dr. and Mrs. Howard B. Garfinkel
- Dr. and Mrs. James A. Strom

Corporate/Institutional Donors
- Dialysis Clinic, Inc.
- Tufts University School of Medicine
- Merck & Co., Inc

Visiting Professors:

1st Annual John T. Harrington Grand Rounds—2007
Nicolaos E. Madias, MD, Visiting Professor
St. Elizabeth’s Medical Center
Shared Primacy of Sodium and Potassium in the Pathogenesis of Hypertension

2nd Annual John T. Harrington Grand Rounds—2008
Sharon Moe, MD, Visiting Professor
University of Indiana
Chronic Kidney Disease: Looking for Bone in All the Wrong Places

3rd Annual John T. Harrington Grand Rounds—2009
Eberhard Ritz, MD, Visiting Professor
Department of Internal Medicine Ruperto Carola University of Heidelberg, Germany
The World Kidney Day: The Kidney and Hypertension

4th Annual John T. Harrington Grand Rounds—2010
Bertram Kasiske, MD, Visiting Professor
Professor of Medicine. Head of Transplant Nephrology at the University of Minnesota, Director of the Renal Division at Hennepin County Medical Center
Guidelines for the Management of Kidney Transplant Patients

5th Annual John T. Harrington Grand Rounds—2011
Jonathan Himmelfarb, MD, Visiting Professor
Professor of Medicine, Joseph W. Eschbach Endowed Chair for Kidney Research from the University of Washington Division of Nephrology, Seattle WA
Kidney Disease as a Public Health Problem: Problems, Progress, and Prospects

Adeera Levin, MD Visiting Professor
Staff nephrologist at St. Paul’s Hospital
Professor at the University of British Columbia in Vancouver, British Columbia. Global Burden of CKD: Challenges and Opportunities.

7th Annual John T. Harrington Grand Rounds—2013
Josef Coresh, MD, PhD Visiting Professor
G.W. Comstock Professor of Epidemiology, Biostatistics & Medicine
Director, George W. Comstock Center for Public Health Research and Prevention and the Cardiovascular Epidemiology Training Program
Johns Hopkins University Baltimore MD
Chronic Kidney Disease — A Challenge for All Ages

2014 Harrington Fund Updates

- We are honored to have received the following new gift in 2014:
Dr. and Mrs. Howard B. Garfinkel

- Kai-Uwe Eckardt, MD, Professor of Medicine and Head of the Department of Nephrology and Hypertension at the University of Erlangen-Nuremberg, Germany, was the visiting professor in 2014. His topic was “Getting a Handle on CKD—an Observational Approach”.

- Also in 2014, Joachim Ix, MD, MAS, FASN, Chief of Nephrology and Professor of Medicine at the University of San Diego, California was invited to be the 2015 Visiting Professor for the 9th Annual John T. Harrington Grand Rounds.

The Hortense “Diddy” Seybolt Fund for Staff Enrichment in Nephrology

The Hortense “Diddy” Seybolt Fund for Staff Enrichment in Nephrology was established in 2008 by the family and friends of Diddy Seybolt in recognition of her great appreciation for the compassionate care provided to her by technicians, nurses, and other medical care providers in conjunction with her dialysis treatments at Tufts Medical Center and DCI Boston. Mrs. Seybolt was a long-time benefactor of Tufts Medical Center and a former member of the Hospital's Board of Trustees.

The purpose of the Hortense “Diddy” Seybolt Fund for Staff Enrichment in Nephrology is to support professional development and training in nephrology with a special focus on staff that care for dialysis patients. Examples of professional development and training include participation in conferences, seminars, coursework and other continuing medical education opportunities that will advance the knowledge, skill, and careers of technicians, nurses, and other medical care providers who care for dialysis patients. To support these enrichment activities, it is expected that the Fund will distribute multiple awards every year in the range of $500—$1,500 each, depending on funding available. The awards will provide important recognition to the hardworking staff that cares for dialysis patients and awardees will be acknowledged as receiving support from the Hortense “Diddy” Seybolt Fund for Staff Enrichment in Nephrology.

Mrs. Seybolt’s determination, good humor, grace, and dignity inspired both her fellow dialysis patients and the physicians and staff who were privileged to care for her. Even as she
confronted a rigorous treatment for an exhausting chronic illness, she was attentive to the experiences and aspirations of the staff who performed her hemodialysis treatments. The Division is profoundly grateful to her family and friends for memorializing Mrs. Seybolt’s concern and sense of community in this fund.

We are grateful for the following Founding Gifts received:

- The Friends and Family of Hortense “Diddy” Seybolt

2013 Diddy Seybolt Fund Updates

- In 2014, proceeds from the Diddy Seybolt Fund were used for a variety of educational purposes for dialysis clinic staff.

Friends of the Division and DCI

We also recognize extraordinary gifts to the Division and the DCI Boston dialysis clinic.

- In 1986, on the occasion of the opening of the DCI’s first dialysis clinic in Boston, Mr. and Mrs. John P. Brogan donated televisions for patients in the clinic.

Information to Make Gifts to the Division

The Division is always appreciative of new gifts. If you wish to make a contribution to the Friedman Fund, please designate that you would like your contribution to support that Fund. You can make your contribution to Tufts University School of Medicine online at https://www.alumniconnections.com/donate/tufts/ or mail it to:

Tufts University School of Medicine  
Office of Development & Alumni Relations  
136 Harrison Avenue  
Boston, MA 02111

To support any of the other funds, please indicate the specific name of the fund to which you wish your gift to be directed. Contributions can be made to Tufts Medical Center online at http://tuftsmedicalcenter.org/giving or mailed to:

Tufts Medical Center Trust  
800 Washington Street  
Box 231  
Boston, MA 02111  
617-636-7656 (phone)  
617-636-7659 (fax)