Nephrology Fellowship Program
Academic Year 2013

Highlights

Academic year 2012-2013 was highly successful for the fellowship program, highlighted by a new collaboration with a private practice Nephrology group in Augusta affording fellows weekly rotations in a high volume peritoneal dialysis clinic and a busy interventional nephrology practice. There were also fellow research presentations at both the ASN and AFMR. In philanthropy, two former fellows committed $300,000 over 3 years to support transplantation research.

Program. The program is fully accreditation by the ACGME (effective August 2009). In May 2012 the program received notification that it will be enrolled in the ACGME sponsored Next Accreditation System (NAS) which will effectively eliminate site visits. Our next anticipated NAS review is tentatively scheduled for May 1, 2017.

Administration. Dr. Nahman continued in his role as PD and Brandi McCorkle has continued as the program assistant. Shalini Saith (2014) agreed to serve as the chief fellow for 2013-2014. Dr Nahman continues to serve on the ASN in-training exam question writing committee, and as a mentor to residents and medical students visiting the ASN. Brandi continues to publish and distribute the divisional newsletter every six months.

Fellows and faculty. The program successfully matched 3 fellows for 2013 and will participate in the match for July 2014. Dr. Jaswinder Rattan completed his transplant nephrology fellowship and Raj Kapoor will begin his transplant fellowship in July 2013. Dr. Fall is completing her 2 year Educational research fellowship from the GHSU Educational Discovery Institute and Dr's Diamond and Nahman were recognized as exemplary teachers by the College of Medicine in 2012. Dr. Lu Huber joined the faculty in August 2012.

Educational platform. In 2012 the clinical rotation schedules of the first and second year fellows were revised, allowing for more outpatient activity in the second year. This facilitated the development of a partnership with a large community nephrology practice, offering fellows rich experiences in outpatient peritoneal dialysis and interventional nephrology. The introductory talks, weekly clinical conference in nephrology, modular reading curriculum, monthly board review course, and twice-monthly pathology conference have been very successful, and for the first time, our 2012 in-training exam scores were at or above the national mean. The inpatient rotations remain unchanged from 2012, but the distribution between the first and second year was revised, allowing large blocks of time for senior fellows in the ambulatory setting.

Research activities. The research activities for fellows continued on a strong trajectory. Senior fellows Hari Garapati and Zeeshan Perveze presented abstracts at the ASN and AFMR and Afu Abdul was co-author on a manuscript in the American Journal of Nephrology. Dr. Garapati won 3rd place at the SSCI fellows' research day and an all-expense paid trip to the NKF national meeting to present his work. In program support, former fellows Muhammad Ebrahim ('99) and Lawrence McGee ('94) and Dialysis Clinic, Inc, funded a 3 year research program to support the development of a large animal kidney transplant laboratory, in collaboration with Transplant Surgery.
# LISTING OF FACULTY AND FELLOWS

## Current Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Medical School / Graduation date</th>
<th>Internship/residency and year</th>
<th>Subspecialty training and year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathew Diamond, DO</td>
<td>Associate Professor</td>
<td>University of Health Sciences College of Osteopathic Medicine, Kansas City</td>
<td>Medical College of Georgia</td>
<td>Medical College of Georgia</td>
</tr>
<tr>
<td>Pamela Fall, MD</td>
<td>Professor</td>
<td>St Louis University</td>
<td>Baptist Hospital, Nashville</td>
<td>Vanderbilt University</td>
</tr>
<tr>
<td>Lu Huber, MD</td>
<td>Assistant Professor</td>
<td>Chongqing Medical University, Congqing, PR China (MD)</td>
<td>Medical College of Georgia</td>
<td>University of Vermont</td>
</tr>
<tr>
<td>Muralidharan Jagadeesan, MD</td>
<td>Associate Professor</td>
<td>Madras Medical College</td>
<td>Woodhull Medical Center, SUNY Brooklyn</td>
<td>University of Toronto</td>
</tr>
<tr>
<td>Michael Madaio, MD</td>
<td>Professor and Chairman of Medicine</td>
<td>Albany Medical College</td>
<td>Medical College of Virginia</td>
<td>Boston University, Tufts University</td>
</tr>
<tr>
<td>Tracy McGaha, PhD</td>
<td>Assistant Professor</td>
<td>University of Oklahoma</td>
<td>Mt Sinai School of Medicine, NYU</td>
<td>Rockefeller University, New York</td>
</tr>
<tr>
<td>Laura Mulloy, DO</td>
<td>Professor and Section Chief</td>
<td>Chicago College of Osteopathic Medicine</td>
<td>TX Tech, Lubbock/Waterbury Hosp-Yale Univ, Waterbury, CT</td>
<td>Medical College of Georgia</td>
</tr>
<tr>
<td>N. Stanley Nahman, Jr, MD</td>
<td>Professor</td>
<td>Medical College of Ohio</td>
<td>Presbyterian Hospital Denver, Mt Carmel Health, Columbus</td>
<td>The Ohio State University</td>
</tr>
<tr>
<td>William Paulson, MD</td>
<td>Professor</td>
<td>UCLA</td>
<td>Tripler Army Medical Center, Honolulu</td>
<td>Walter Reed Army Medical Center, Washington, DC</td>
</tr>
<tr>
<td>Ganeson Ramish, PhD</td>
<td>Assistant Professor</td>
<td>Indian Institute of Science, Bangalore, India</td>
<td>Indian Institute of Science, Bangalore, India</td>
<td>Penn State, Hershey, PA</td>
</tr>
<tr>
<td>John White, MD</td>
<td>Associate Professor</td>
<td>Medical College of Georgia</td>
<td>Erlanger Medical Center, UTCOM, Chattanooga</td>
<td>Medical College of Georgia</td>
</tr>
</tbody>
</table>
### Current fellows

#### Transplant nephrology

**Jaswinder Rattan, MD, PGY-5**  
Medical School / Graduation date: Amritsar Medical College, India  
Internship/residency and year: University Hospital Medical Center, Brookdale, NY  
Nephrology fellowship and year: Georgia Regents University

#### General nephrology

**Usman Afsal, MD, PGY-4**  
Medical School / Graduation date: Nishtar Medical College, Pakistan  
Internship/residency and year: Medical College of Georgia

**Jay Desai, MD, PGY-4**  
Medical School / Graduation date: Medical College of Georgia  
Internship/residency and year: Medical College of Georgia

**Shalini Saith, MD, PGY-4**  
Medical School / Graduation date: University of West Indies, Trinidad  
Internship/residency and year: Howard University, Washington, DC

**Afu Abdul MD, PGY-5**  
Medical School / Graduation date: St John's Medical College, India  
Internship/residency and year: Medical College of Georgia

**Hari Garapati MD, PGY-5**  
Medical School / Graduation date: Siddhartha Medical College, India  
Internship/residency and year: UAB Montgomery, Montgomery, AL

**Zeeshan Perveze MD, PGY-5**  
Medical School / Graduation date: King Edward Medical College, Pakistan  
Internship/residency and year: Memorial Health, Savannah, GA

### Immediate past fellows (2012 graduates)

**Raj Chalasani MD**  
Medical School / Graduation date: Kempegowda Institute of Medical Sciences, India  
Internship/residency and year: Michigan State University, Flint, MI  
Status: Private practice, Georgia

**Franklin Fuenmayor MD**  
Medical School / Graduation date: Universidad del Zulia, Venezuela  
Internship/residency and year: Medical College of Georgia  
Status: Private practice, Georgia

**Jaswinder Rattan, MD**  
Medical School / Graduation date: Amritsar Medical College, India  
Internship/residency and year: University Hospital Medical Center, Brookdale, NY  
Status: Transplant fellowship, Georgia Regents University

**Sarita Cross, MD**  
Medical School / Graduation date: University North Carolina, Chapel Hill  
Internship/residency and year: University North Carolina, Chapel Hill  
Nephrology fellowship and year: University of Alabama, Birmingham, AL  
Transplant fellowship and year: Georgia Regents University  
Status: Private practice, Ashville, NC
Future fellows (2013 start date)

Noble Iwuagwu, MD, PGY-4
Medical School / Graduation date  University of Nigeria, Nigeria  1990
Internship/residency and year  Medical College of Georgia  2006

Anuj Regmi, MD, PGY-4
Medical School / Graduation date  Volgograd Medical Academy, Russia  2000
Internship/residency and year  Legacy Health System, Portland, OR  2008

Elias Ugwu, MD, PGY-4
Medical School / Graduation date  University of Prt Harcourt, Nigeria  2001
Internship/residency and year  Kingsbrook Jewish Medical Center, Brooklyn  2013

Rajan Kapoor, MD, PGY-6 (Transplant fellow)
Medical School / Graduation date  University of Delhi, India  2005
Internship/residency and year  Southshore Med Center, NY  2011
Nephrology fellowship  Westchester Medical Center, NY  2013

PUBLICATIONS BY FACULTY AND FELLOWS (2011-13)


epigenetic divergence between diabetes patients with ESRD and diabetes patients without nephropathy. Epigenetics 1:20-8, 2011


Published or submitted abstracts by fellows (2011-13)


HONORS AND AWARDS

H Garipati 3rd place, Southern SCCI renal fellows Research Day 2013
N Nahman Tow Humanitarian award, speaker White Coat Ceremony 2013

CLINICAL ACTIVITY (MCG AND NORWOOD VAMC)

<table>
<thead>
<tr>
<th>Clinical venue</th>
<th>AY 09/10</th>
<th>AY 10/11</th>
<th>AY 11/12</th>
<th>AY 12/13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inpatient</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Admissions + consults</td>
<td>1422</td>
<td>1644</td>
<td>1401</td>
<td>1352</td>
</tr>
<tr>
<td>Acute dialysis runs</td>
<td>2657</td>
<td>2976</td>
<td>3305</td>
<td>6015(^1)</td>
</tr>
<tr>
<td>Outpatient</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nephrology clinic visits</td>
<td>6753</td>
<td>6968</td>
<td>6456</td>
<td>6870(^2)</td>
</tr>
<tr>
<td>Outpatient dialysis visits</td>
<td>3168</td>
<td>3368</td>
<td>3268</td>
<td>3727(^2)</td>
</tr>
<tr>
<td>Procedures</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Native kidney biopsies MCG/VAMC</td>
<td>23/10</td>
<td>29/10</td>
<td>51/12</td>
<td>54/10</td>
</tr>
<tr>
<td>Transplant kidney biopsies</td>
<td>100</td>
<td>78</td>
<td>112</td>
<td>110</td>
</tr>
</tbody>
</table>

\(^1\) Represents both a real increase and improved record keeping
\(^2\) first yr to include ASMP (prison)
## GRANTS AND CONTRACTS (2012-13)

<table>
<thead>
<tr>
<th>Principal Investigator</th>
<th>Sponsor/Title</th>
<th>Project period</th>
<th>Total direct costs</th>
<th>Clin trials ID or release time</th>
</tr>
</thead>
<tbody>
<tr>
<td>L Mulloy</td>
<td>Bristol-Myers / Belatacept as immunosuppression (BENEFIT)</td>
<td>3/06-3/12</td>
<td>$799,459</td>
<td>NCT00256750</td>
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<tr>
<td>L Mulloy</td>
<td>Mason trust / HLA-G for prolongation of allograft survival in patients with kidney transplant</td>
<td>1/11 – 12/13</td>
<td>$300,000</td>
<td>NA</td>
</tr>
<tr>
<td>L Mulloy</td>
<td>Bristol-Myers / Open-label study of Belatacept-based steroid-free regimens in transplant (IMI)</td>
<td>9/07-6/12</td>
<td>$101,231</td>
<td>NCT00455013</td>
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<tr>
<td>L Mulloy</td>
<td>NIH / Systolic blood pressure intervention trial (SPRINT)</td>
<td>9/10-10/12</td>
<td>$666,632</td>
<td>NCT01206062</td>
</tr>
<tr>
<td>M Diamond</td>
<td>Dynavax Technologies / HEPLISAV in CKD</td>
<td>4/10-4/12</td>
<td>$73,750</td>
<td>NCT00985426</td>
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<tr>
<td>P Fall</td>
<td>Education discovery institute fellowship / Medical student clerkship evaluations: community vs university-based mentors</td>
<td>1/12-12/12</td>
<td>NA</td>
<td>20%</td>
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<tr>
<td>S Nahman</td>
<td>Immunotherapy Institute seed grant / IDO in renal transplant</td>
<td>4/11-3/13</td>
<td>$25,000</td>
<td>NA</td>
</tr>
<tr>
<td>S Nahman L Mulloy</td>
<td>Dialysis Clinic Inc / IDO in porcine transplantation</td>
<td>5/13-4/16</td>
<td>$300,000</td>
<td>NA</td>
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<tr>
<td>S Nahman</td>
<td>Dialysis Clinic Inc / Risk factors for vascular access failure in hemodialysis patients</td>
<td>7/12 – 6/17</td>
<td>$99,678</td>
<td>NA</td>
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<tr>
<td>S Nahman</td>
<td>Augusta Biomedical Research Corp / GLUT1 in the pathogenesis of CAN</td>
<td>5/12 – 4/13</td>
<td>$43,500</td>
<td>NA</td>
</tr>
<tr>
<td>S Nahman</td>
<td>Davita source / Nephrology fellowship unrestricted educational funding</td>
<td>7/11-6/12</td>
<td>$5,000</td>
<td>NA</td>
</tr>
<tr>
<td>G Ramesh</td>
<td>NIH R01 / DK083379 Netrin-1 signaling in reperfusion injury of the kidney</td>
<td>1/10-12/15</td>
<td>$950,000</td>
<td>40%</td>
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<tr>
<td>T McGaha</td>
<td>NIH R56 / Role of IDO in marginal zone tolerance</td>
<td>7/11 - 6/12</td>
<td>$330,750</td>
<td>40%</td>
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<tr>
<td>M Madaio</td>
<td>NIH R21 / Modified Human Anti-α(3)IV Antibodies for Drug Delivery in Nephritis</td>
<td>9/09-8/12</td>
<td>$275,000</td>
<td>est 10%</td>
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<tr>
<td>J White</td>
<td>Takeda / Hypertension, inflammation.. and nitric oxide in...metabolic syndrome</td>
<td>7/11-6/13</td>
<td>$403,645</td>
<td>5%</td>
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<tr>
<td>J White</td>
<td>GHSU physician scientist research program / Endothelin and diabetic kidney disease</td>
<td>7/11-6/13</td>
<td>$50,000</td>
<td>1%</td>
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