Call to Order

1. Minutes of September 14, 2017 ................................................................. E. Benjamin Clyburn, MD

2. New Business ............................................................................................... Dr. Clyburn
   A. Handoff Policy
   B. Request for Temporary Complement Increase (Pulmonary and Critical Care)
   C. Requests for New Program Directors
      i. Cardiology
      ii. Vascular Surgery
      iii. Surgical Critical Care
   D. Request for New Training Program (Transplant Hepatology)
   E. Annual Institutional Review
   F. Signed Verification Releases
   G. Telemedicine Curriculum
   H. Moodle and Panopto
   I. Accelerated Pathways Program

3. ACGME Correspondence ............................................................................ Dr. Clyburn
   A. Adding Participating Site (Surgery)
   B. Approving ACFOR Resident (Ortho)
   C. Adding Faculty Members (Vascular Surgery and Surgery)
   D. Temporary Increase Approval (Addiction Psych)

4. Quality Report ............................................................................................ Elizabeth Mack, MD

5. Resident Representatives’ Report ......................................................... Drs. Haalsee, Orabi, Siegel and Stem

6. VA Update .................................................................................................... Stephanie Myers

7. PC Update ..................................................................................................... Melanie Pigott

8. Program Information
   A. Annual Program Evaluations (APE) ......................................................... Leonie Gordon, MD
      i. Rheumatology
      ii. Developmental and Behavioral Peds
      iii. Hematopathology
      iv. Cytopathology
      v. Geriatric Psych
   B. Remediations: 3 residents in 3 programs
   C. Duty Hours

9. Old Business

ANNOUNCEMENTS

Next GMEC Meeting ~ Thursday, November 9 at 4:00 p.m. in 628 CSB

Please encourage any of your residents that may be interested in House Staff Council to attend the next meeting on
Tuesday, November 14 at 6:00 p.m. in 419 CSB. Any resident/fellow is welcome to attend.

The next Chief Resident/Resident Representative meeting is
Wednesday, October 18 at 6:00 a.m. in 419 CSB.
MEMBERS PRESENT: Armstrong, Milton MD [Plastic Surgery (At large member)]; Batalis, Nick MD [Pathology]; Britten, Carolyn MD [Hem/Onco]; Bush, Jeff MD [Emergency Medicine]; Campbell, Ruth MD [Nephrology]; Guldan, George (GJ) MD [Anesthesiology] via proxy; Haulsee, Merle MD [Internal Medicine – resident]; Kantor, Ed MD [Psychiatry]; Keith, Brad MD [Internal Medicine (At large member)]; Leddy, Lee MD [Orthopaedics]; Lewis, Madeleine MD [Radiology]; Marschall, Richard MD [Dermatology]; Marshall, David MD [Radiation Oncology (At large member)]; Meyer, Ted MD, PhD [Otolaryngology]; Nutaitis, Matt MD [Ophthalmology]; Pigott, Melanie [Emergency Medicine (PC)]; Savage, Ashlyn MD [OB/GYN]; Southgate, Mike MD [Pediatrics]; Streck, Christian MD [Surgery]; Tavana, Lance MD [Plastic Surgery – (At large Member)]

MEMBERS ABSENT: Anderson, Bret MD [Interventional Radiology Integrated]; Barth, Kelly DO [Med-Psych]; Cox, Lindsey MD [Urology]; Clyburn, Ben MD [Internal Medicine]; Gordon, Leonie MD [Assoc. Dean for GME]; Lewis, Lee MD [Child and Adolescent Psychiatry]; Mack, Elizabeth MD [Quality]; Milano, Nick MD [Neurology]; Meyer, Stephanie [VAMC]; Orabi, Mohammed MD [Neurology – resident]; Pastis, Nick MD [Pulmonary/Critical Care]; Siegel, Mark MD [Pediatrics – HSC president]; Spiotta, Alex MD [Neurosurgery]; Steed, Martin DDS [Oral Surgery (At large member)]; Stem, Christopher MD [Pediatrics – resident]; Willner, Ira MD [Gastroenterology]; Zyblewski, Sinai MD [Pediatric Cardiology]

GME OFFICE: Rob Chisholm, Beth Jones, Ann Ronayne, Hung Vo, Angela Ybarra

GUESTS: Elizabeth Burgueaes, Stacey Livingston (OBGYN), Chris Hannegan, MD (IR)

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**AGENDA**

<table>
<thead>
<tr>
<th>DISCUSSIONS/CONCLUSIONS</th>
<th>RECOMMENDATIONS/ ACTIONS WHAT/WHEN</th>
<th>WHO</th>
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<tr>
<td>Call to Order</td>
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<tr>
<td>STANDING BUSINESS</td>
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<tr>
<td>MINUTES</td>
<td>The minutes from the August 10, 2017 meeting were reviewed.</td>
<td>The committee approved the minutes.</td>
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<tr>
<td>NEW BUSINESS</td>
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<tr>
<td>A. Request for Temporary Increase</td>
<td>A. Addiction Psych is asking for a temporary increase due to an off cycle fellow.</td>
<td>The committee approved the request.</td>
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<tr>
<td>B. Handoff Policy</td>
<td>B. The policies for handoffs between GME and MUSC have been combined to one policy.</td>
<td>The committee tabled the discussion until the October meeting.</td>
</tr>
<tr>
<td>C. Request for International Rotation</td>
<td>C. Emergency Medicine is asking for 2 residents to go to Nicaragua. The two rotations will be one-month ach and goals and objectives were attached to the agenda.</td>
<td>The committee approved the request.</td>
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Page 1 of 3
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<tr>
<th>ACGME CORRESPONDENCE/ ISSUES:</th>
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<th>Marshall</th>
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<tbody>
<tr>
<td>A. Approval of International Rotation (Radiology)</td>
<td>A. The RRC has approved an international rotation for Radiology to Uganda. B. The site visit scheduled for November in Neuropathology has been postponed until they have a resident in the program – at least fall, 2019.</td>
<td>The committee acknowledged the correspondence.</td>
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<td>B. Rescheduling of Site Visit until 2019</td>
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<tr>
<th>RESIDENT REPRESENTATIVES' REPORT</th>
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<th>Dr. Haulsee</th>
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<tr>
<td>Dr. Haulsee reported that all resident have phones and that the cell phone policy has been distributed.</td>
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<tr>
<th>HOSPITAL UPDATE</th>
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<td>There was no hospital update.</td>
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<th>VA UPDATE</th>
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<td>There was no VA update.</td>
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<tr>
<th>HOSPITAL QUALITY REPORT</th>
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<td>There was no Quality Report.</td>
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<th>PROGRAM COORDINATOR REPORT</th>
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<th>Melanie Pigott</th>
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<tr>
<td>Ms. Pigott disclosed that WebAds will be closing on 9/29 for many programs and their annual updates. She also went over the ERAS timeline for Fellowship/Residencies. Increased communication between the PCs and PDs, in general, can be improved. PDs should have a standing meeting with their PCs, every week or two.</td>
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<tr>
<th>PROGRAM INFORMATION</th>
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<th>Dr. Marshall</th>
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<tr>
<td>A. Annual Program Evaluations</td>
<td>A. Vascular and Interventional Radiology is doing well – they need to work on their action plan, including the AFIIs from the ACGME and identified weaknesses of the faculty survey. Nuclear Medicine is in good standing, even with a program director change in the past year. Very good scholarly activity for the residents. Cardiothoracic Anesthesia is doing an excellent job. It should be noted that 100% of the core faculty need to be involved in faculty development. Plastic Surgery is in very good standing. The faculty need to be more involved in scholarly activity, but otherwise, everything is good. Interventional Cardiology is another program in good standing and progressing nicely. The committee couldn’t comment on the action plan from last year as none was submitted. Some administrative corrections need to be made in WEBADS, but other than that, everything is good.</td>
<td>The GMEC approved the APE reports.</td>
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<tr>
<td>i. Interventional Cardiology</td>
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<td>ii. Critical Care Anesthesia</td>
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<td>iii. Neonatal-Perinatal</td>
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<td>iv. Ophthalmology</td>
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<td>v. Clinical Cardiac Electrophysiology</td>
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<td>vi. Child Abuse Pediatrics</td>
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<td>B. Remediations</td>
<td>B. There are 5 residents in 5 programs currently on remediation.</td>
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<td>C. Duty Hours</td>
<td>C. A reminder that the 80-hour rule has no leeway. RRCs will not look kindly toward any instances of violations going over the 80-hour workweek, not just</td>
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those beyond what is averaged over 28 days. A report was included that
detailed which programs had residents that worked more than an 80 hour work
week. These included Hem Onc, OBGYN, Surgery, IM, Nephrology,

| OLD BUSINESS | Dr. Clyburn reminded the programs present that House Staff Council would like to have representation from each department at each HSC meeting. Please encourage your residents to attend these meeting. | Dr. Marshall |
| ANNOUNCEMENTS | Next GMEC Meeting -- Thursday, October 12 at 4:00 p.m. in 628 CSB | Dr. Marshall |

Please encourage any of your residents that may be interested in House Staff Council to attend the next meeting on Tuesday, October 10 at 6:00 p.m. in 419 CSB. Any resident/fellow is welcome to attend.

The next Chief Resident/Resident Representative meeting is Wednesday, October 18 at 6:00 a.m. in 419 CSB

Approved at the TBD, 2017 GMEC meeting.
MUSC GME Transitions of Care/Handoff Policy

**Purpose:**
To establish protocol and standards within MUSC Medical Center residency and fellowship programs that ensures the quality and safety of patient care when transfer of responsibility occurs due to shift changes or unexpected circumstances. Transfers of care have been associated with adverse clinical outcomes and improving handoffs is a national patient safety goal.

**Definition:**
A clinical handoff is the transfer of care and responsibility from the primary (outgoing) physician to the covering (incoming) physician. Handoff also occurs when a patient is changing services or teams. The transition/handoff process is an interactive communication process of passing specific, essential patient information from one caregiver to another.

**Policy:**
Individual residency programs must design schedules and clinical assignments to maximize the learning experience for residents, respect duty hour requirements, and to optimize patient safety. This includes efforts to minimize transitions of care. Programs must ensure that all residents have received training on handoffs/and transitions of care. All PGY1 residents are required to undergo formal training during GME orientation.

**Procedure:**
- Communication for handoff should be face-to-face interaction for verbal communication whenever possible. When face-to-face handoff not possible (ex: home call), handoff should be verbal with both parties following along with the same handoff tool in the electronic health record (EHR). Solely written handoff with no verbal interaction is unacceptable.
- There should be no gap in coverage of patients by providers who have received handoff (i.e., team should not be covering who has not yet received handoff).
- Updated written or computerized information is to be shared as well. It is our expectation that each department program will use our institutional handoff site EHR tool, unless the program has developed an acceptable HIPAA compliant alternative approved by GMEC. APE will inquire about handoff annually.
- Each program will have a faculty handoff champion responsible for oversight of supervised handoffs.
- The person receiving the handoff is expected to ask pertinent questions to clarify any unanswered questions.
- Handoffs should occur in a quiet place and be uninterrupted (office, call room, lounge) whenever possible.
- Clear accurate information needs to be handed off as well as received back the next morning (“closing the loop”).
- Handoff communication should include:
IMPROVING PATIENT HANDOFFS THROUGH...

I – Identify (Name, MRN, Date of Admission, Code Status)
C – Chief Complaint or presenting symptoms
A – Active Problems List
T – Therapies and Interventions (planned for next 24 hours)
C – Clinical Trajectory and Condition (sick or not sick?) (Response to therapy and help the receiving
caregiver anticipate problems)
H – Help Me: Encourage Questions and Dialogue
Request for Change in Resident/Fellow Program Complement

☑ TEMPORARY ☐ PERMANENT

Program Name: Pulmonary and Critical Care Fellowship

Program Director: Nicholas Pastis

Program Coordinator: Cameron Hay

Department Chair: Don Rockey (Medicine), Lynn Schnapp (Pulmonary Division Director)

Specialty Program Director (if applicable):

# of positions requested: 1

FROM: 15 (# current complement) TO 16 (# requested complement):

Requested Effective Date: July 1, 2018

Effective End Date (if temporary): June 30, 2019

[Signatures and dates]

Requests to change a program’s resident/fellow complement need review and approval by:

1) Strategic Manpower Committee (only if hospital is to provide funding)
2) MUSC GMEC
3) ACGME/RRC

Requests to specific ACGME/RRC’s must not be made until after approval by the MUSC GMEC. Requests should be made in the WebADS system no longer than six months following GMEC approval. No resident or fellow should be hired or promised a position until there has been approval by each group noted above.

Please address all the questions/requirements on the next page in your request. Send completed requests to E. Benjamin Clyburn, MD (c/o GME Office, room 202 MUH, MSC 333) at least two weeks prior to the GMEC meeting date where you would like this item considered.

FOR GME OFFICE USE ONLY:

Date Received: __________________________

Approved by the GMEC: __________________________

Date approved in WEBADS: __________________________
Request for Change in Resident/Fellow Program Complement
Rationale, Impact and Financing for Complement Change

Please answer the following questions.

1. How will additional positions be financed?
   - Please provide documentation.
     a. If the department will be funding the position(s), please submit a letter from the Chair indicating willingness to fully fund the position(s).
     b. If MUHA support is being requested, please complete the appropriate documentation to be submitted to and reviewed by the GME Strategic Manpower Committee
        http://academicdepartments.musc.edu/gme/director_coordinator/internal/gme-strategic-manpower.html

Ralph Johnson VA Medical Center

1. Reason(s) for request to change the number of trainees in program:

   Demand and need for a 1-year critical care fellowship position. Currently our fellow at the VA is pulled in too many directions on the pulmonary side (PFTs, pulm consults, bronchoscopy).

2. What will be the impact of the change on the educational program? Please include both the positive and negative effects on the educational program in comparison to the current program size.

   Positives: more opportunity to expand the critical care learning experience for fellows, will allow for a dedicated MICU fellow who can also participate in STICU, enhance time and interest for research in critical care.
   We see no negatives effects at this time.

3. What are the anticipated effects of your proposed program changes on other training programs at MUSC?

   Increased interest in matching into nephrology or cardiology due to this opportunity. Many fellows desire the training.

4. How will the change affect the number of cases seen by the trainee?

   The change will have minimal to no affect on the number of cases seen by fellows at MUSC, since the additional fellow would be at the VA. The change will have minimal to no affect on the number of cases seen by fellows at the VA because it will allow 1 fellow to focus on critical care and 1 fellow to focus on pulmonary, instead of 1 feeling stressed to do both and possibly missing cases.

5. If your RRC or American Board have requirements for a certain number of rotations, clinical experience, number of producers, cases, etc., will there be adequate experiences to meet RRC and Board requirements?

Yes
6. Assuming approval, what will the program look like for each year of training?
   - What will be added, deleted or moved?
   - Include a Block diagram by PGY year, for a model resident/fellow.
   We plan to use our current rotation blocks but add the following for new critical care fellow:
   
   3 months VA ICUs
   - 2 months MICU
   - 1 month STICU
   2 months non-medical ICU (NSICU, STICU, CTICU)
   2 months MICU
   2 months MSICU
   1 month Procedures / Anesthesia
   1 month research
   1 month research/vacation

7. Will there be additional or new training sites needed to accommodate the change in trainee complement? If so:
   - List the additional site(s).
   - You will be required to provide completed Affiliation Agreement(s) before the start of the training.

   No

8. Is there adequate space and resources (offices, desks, computers, labs, etc...) to accommodate the change? Please provide a summary of necessary resources.

   Yes; fellow’s office in CSB 812, MSICU fellow’s room (2 desks and computers), and VA fellow’s office
Great news, everyone!

All of our VACAA position for AY18-19 requests were approved! We applied and were approved for the following positions:

- 2 Emergency Medicine
- 1 Psychiatry
- 1 Pulmonary Disease and Critical Care
- .5 Infectious Diseases

Thank you all for your hard work. Moreover, thank you for collaborating with me and leading me through my first experience of RFPs.

Rocky returns on Monday, and I will ensure we communicate this to our MUSC counterparts.

I hope you all have a wonderful weekend!

Sincerely,

Stephanie Myers, MHA
Administrative Officer
Education Service
(843) 577-5011 ext. 5285
September 28, 2017

TO: MUSC GMEC

FROM: Don C. Rockey, MD; Professor and Chair, Department of Medicine

RE: Appointment of New Program Director to Cardiovascular Disease Fellowship
Name: Daniel P. Judge, MD; Dept. Medicine/Cardiology

I write to nominate Daniel P. Judge, MD for the position of Program Director for the Cardiovascular disease fellowship training program. Dr. Judge will have authority and accountability for the operation of all components of the residency or fellowship program. My recommendation of Dr. Judge for this position is because of our goals to foster a more academic environment for this fellowship program, and because of his qualifications for this position.

Dr. Judge is currently a professor in the Dept. of Medicine. He has been board certified for 17 years and holds a medical staff appointment at MUSC. He was a faculty member in Cardiology at Johns Hopkins from 2000-2017, where he played an active role in training their general cardiology fellows. He was also Fellowship Director of the ACGME-approved Advanced Heart Failure & Transplant Cardiology at Johns Hopkins from 2013-17. His South Carolina Medical License Number is 51600. Enclosed is Dr. Judge’s curriculum vita.

I am recommending Dr. Judge for this appointment to begin as soon as it is feasible. I and Dr. Judge are aware that the ACGME requirements indicate that the program director must intend to continue in his or her position for a length of time adequate to maintain the program’s stability, and we fully expect him to do so. I acknowledge that Dr. Judge will need to maintain board certification for the duration of his appointment as Program Director.

I have reviewed the Program Requirements for the Cardiovascular Disease training program which are posted on the ACGME website, and I can assure the GMEC that Dr. Judge can (and will) comply with all requirements.

The Department of Medicine will ensure that the Program Director has sufficient financial and administrative support and protected time for his educational and administrative responsibilities to the program. For this position, Dr. Judge will be protected for at least 30% of his time and will receive 30% of salary for this position.

I have discussed all the above with Dr. Judge. After approval by the GMEC, I understand the current program director needs to notify the ACGME electronically using their WebADS system.

Sincerely,

Don C. Rockey, MD
Professor and Chair, Department of Medicine, Medical University of South Carolina

Cc: Daniel P. Judge, MD

Enclosure: CV

"An equal opportunity employer, promoting workplace diversity."
CURRICULUM VITAE

Daniel P. Judge, MD

September 25, 2017

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments
2017-present  Professor of Medicine in Cardiology, Medical University of South Carolina (MUSC), Charleston SC
2017-present  Director, Cardiovascular Genetics, MUSC, Charleston, SC

Education and Training:
1988-1993  MD, University of Pennsylvania School of Medicine, Philadelphia, PA
1993-1994  Internship, Internal Medicine, Johns Hopkins Hospital, Baltimore, MD
1994-1996  Residency: Internal Medicine, Johns Hopkins Hospital, Baltimore, MD
1996-2000  Post-doctoral Fellowship in Cardiology, Johns Hopkins Hospital, Baltimore, MD
1998-2000  Sub-specialization in Heart Failure and Transplant Cardiology, Primary Mentor: Kenneth Baughman, MD
           Post-doctoral fellowship (research and clinical training), McKusick-Nathans Institute of Genetic Medicine, concurrent with post-doctoral training in Cardiology, Johns Hopkins, Baltimore, MD
1998-2000  Primary Mentor: Harry C. Dietz, III, MD

Professional Experience
2000-2008  Assistant Professor of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD
2010-2011  Visiting Associate Professor (Professeur Associé), Université Paris V (Descartes), Paris, France
2011-2014  Adjunct Faculty, Perdana University Graduate School of Medicine, Kuala Lumpur, Malaysia
2008-2017  Associate Professor of Medicine, Cardiology Division, Johns Hopkins University School of Medicine
2007-2017  Director, JHU Center for Inherited Heart Disease, Johns Hopkins University
2013-2017  Fellowship Director, Advanced Heart Failure & Transplant Cardiology, Johns Hopkins University

PUBLICATIONS:

Original Research


42. Van der Zwaag PA, van Rijsingen IA, Asimaki A, Jongbloed JD, van Veldhuisen DJ, Wiesfeld AC, Cox MG, van Lochem LT, de Boer RA, Hofstra RM, Christians I, van Spaendonck-Zwarts KY, Lekanne Dit Deprez RH,


"Genotype and phenotype of transthyretin cardiac amyloidosis: THAOS (Transthyretin Amyloid Outcome Survey)." J Am Coll Cardiol 2016; 68(2):161-72.


Review Articles [RA]


Book Chapters, Monographs [BC]
4. Johnson NM, Judge DP. “Genetics in Heart Failure: Dilated, Restrictive and Rigid Ventricular Cardiomyopathies” in Treatment of Advanced Heart Disease, Baughman KL and Baumgartner W (eds), January 2006; New York, NY, Taylor & Francis Group, LLC.

Other Publications:
Guidelines/Protocols, Consensus Statement, Expert Opinion, Consortium Articles [GL]

Editorials [ED]
EXTRAMURAL Funding
CURRENT:
Research Extramural Funding
THACS clinical trial
Pfizer, Inc.
PI: Planté-Bordeneuve, Violaine (Université Paris VI)
Role: site PI JHU

12/1/2009-7/31/2018 “Safety and Efficacy Study of Fx1006A in Transthyretin Amyloidosis”
Pfizer, Inc.
PI: Janske Aarts
Role: Site PI JHU

12/01/2013-5/31/2018 “Safety and Efficacy of Tafamidis in Patients with Transthyretin Cardiomyopathy.”
ATTR-ACT Clinical trial
Pfizer, Inc.
PI: Maurer, Mathew (Columbia University)
Role: site PI JHU

ARRY-371977 LMNA Trial
Amyx Biopharma
PI: MacRae, Calum (Harvard University)
Role: site PI JHU

5/1/2015-4/30/2020 “Study of Revasuran in Transthyretin-Mediated Familial Amyloidotic Cardiomyopathy”
ENDEAVOUR ALN-TTRSC Clinical Trial
Alnylam Pharmaceuticals
PI: Jonathan Plehn
Role: Site PI JHU

Other Extramural Funding, including philanthropy
1/1/2013-12/31/2016 “Response to Cardiac Injury in ALMS1-deficient Mice”
Zegas Family Fund to Johns Hopkins
Role: PI

1/1/2014-12/31/2016 “Characterization of Cell Cycle Re-entry in Cardiomyocytes by ALMS1 Modulation”
Michel Mirowski MD Discovery Award to Johns Hopkins
Mirowski Family Foundation
Role: PI

4/1/2015-3/31/2018 “TTR Cardiac Amyloidosis”
Clark Foundation Award
Role: PI

CLINICAL ACTIVITIES
Clinical Focus: My clinical activities focus on inherited forms of cardiovascular disease and Advanced Heart Failure/Transplant Cardiology. I established the JHU Center for Inherited Heart Disease, and I receive referrals from all over the USA for uncommon conditions related to cardiovascular genetic disorders and cardiovascular complications of systemic inherited conditions. I moved to MUSC in September 2017 where I will start and lead a Cardiovascular Genetics clinical program.

Certification: American Board of Internal Medicine – ID # 169503 with ABIM certification:
- Advanced Heart Failure & Transplant Cardiology through 2024
- Cardiovascular Disease through 2023
• Internal Medicine – August 1996 to 2006 (no longer certified in Internal Medicine)

Medical, other state/government license:
• MD License number D0050595; SC License number 15600
• NPI 1790726917

RESEARCH ACTIVITIES

Research Focus: My research focus is genetic cardiovascular disorders. As a post-doctoral fellow, I worked with Dr. Hal Dietz at JHUSOM. In my K08 proposal, I outlined for the first time how antagonism of angiotensin II signaling could improve Marfan syndrome. This led to several high-profile manuscripts and a patent. I am now focused on other genetic cardiovascular disorders, such as arrhythmogenic right ventricular dysplasia, muscular dystrophy-related cardiomyopathies, and transthyretin amyloidosis. I am also active with clinical trials testing novel therapies for inherited cardiovascular diseases and for novel therapies for cardiac amyloidosis. I am also investigating mitral valve disease, with particular attention to its genetic basis and pathogenesis.

Inventions, Patents, Copyrights
10/25/2005 Co-holder; “TGFbetalpha Antagonists, Including AT1 Receptor Blockers, Rescue the Multi system Pathogenesis of Marfan Syndrome” (JHU Reference:4861), together with Hal Dietz, Braid Neptune, Ronald Cohn, and Jennifer Habashi. This is based on my co-first author publication in Science, publication #13, CV page 2.

11/16/2011 Co-holder; “Reduction of ALMS1 gene expression or inhibition of Alström protein to induce cardiomyocyte proliferation.” (JHU Ref: 11785), together with Lincoln Shenje and Peter Andersen, the co-first authors for our publication #62, CV page 6. I am the last author and lead patent holder.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments
2009-2015 Member, Associate Professor Promotions Committee, Johns Hopkins University School of Medicine.
2009-2013 Member, Medical Grand Rounds Planning Committee, Johns Hopkins University, Internal Medicine.
2012-current Director, Cardiology Grand Rounds. I am responsible for the schedule for internal and external speakers for this weekly conference, and also for maintaining JHU CME credits for attendees.
2014-current Director, Post-doctoral Fellowship in Advanced Heart Failure & Transplant Cardiology. This program is an ACGME-certified fellowship that began in 2014, with a curriculum of training for 2 post-doctoral fellows per year. I set up the fellowship, oversee the training of 2 fellows per year, and maintain ACGME-approval for this program.

Editorial Activities
2011-current Associate Editor, Journal of Cardiovascular Translational Research

Editorial Board Appointments
2007-current Editorial board member, Clinical Medicine Insights: Cardiology
2008-current Editorial board member, Journal of Cardiovascular Translational Research
2013-current Editorial board member, Cardiovascular Genetics and Genomics
2016-current Editorial board member, Circulation

Journal peer review activities: (ad hoc reviews, past 3 years)

American Heart Journal
American Journal of Cardiology
American Journal of Medical Genetics
Amyloid
British Medical Journal: Heart Cardiology
Circulation
Circulation: Arrhythmia and Electrophysiology
Circulation: Cardiovascular Genetics
Circulation: Heart Failure
Circulation Research
European Heart Journal
European Journal of Heart Failure
eLife
Heart Rhythm
Journal of the American College of Cardiology (JACC)
Journal of the American College of Cardiology Basic to Translational Research
Journal of the American Medical Association (JAMA)
Journal of Clinical Investigation (JCI)
Journal of Cardiovascular Translational Research
Journal of Molecular Medicine
Journal of Neuromuscular Disease
Lancet Neurology
New England Journal of Medicine
Pediatrics
PLoS ONE
Science Translational Medicine

EDUCATIONAL ACTIVITIES

Classroom instruction
2002-2017  Lecturer for pathophysiology JHUSOM. “Genetics of Heart Failure” for medical students (2002-2011; 2015-present)
2004-2006  Graduate Program in Pathobiology JHU — taught 1 session yearly on cardiac genetics
2011-2014  Section director for cardiology pathophysiology (Genes to Society) at Perdana University Graduate School of Medicine, Kuala Lumpur, Malaysia (in conjunction with JH International).

Clinical instruction
2000-present  1-3.5 months per year on the inpatient Advanced Heart Failure & Transplant Cardiology service, teaching medical students, residents, cardiology fellows, and advanced heart failure transplant fellows.
2000-present  1-4 lectures per year on cardiomyopathy, genetic cardiovascular disease, and aortic disease for cardiology fellows.

CME instruction:
Cardiovascular Topics at Johns Hopkins (Role: lecturer; JHMI/Regional)
2002  “Familial Dilated Cardiomyopathy”
2003  “Aortic Diseases, a Genetic Perspective”
2005  “Genetic testing for Cardiomyopathy- Who and Why?”
2006  “Heritable Aortic Aneurysm, Beyond Marfan Syndrome”
2007  “Marfan syndrome and TGFβ signaling”
2008  “Genetics of Dilated Cardiomyopathy”
2009  “Amyloid Heart Disease”
2010  “Genetic Testing: First Do No Harm”
2012  “Genetic Testing in 2012: More is Not Necessarily Better”
2013  “New Hopes and Approaches for Patients with Cardiac Amyloidosis”
2014  “Molecular Mechanisms of Mitral Valve Phenotypes”
2015  “All in the Family: Cardiomyopathy Genetics”

Advanced Medical and Surgical Treatment of Heart Failure CME symposium (Role: lecturer; JHMI/Regional)
2004  “Genetic Testing for Familial Cardiomyopathy”

JHU Internal Medicine Board Review
2002-2004  “Pericarditis.” (Role: lecturer; JHMI/Regional)

Invited regional teaching lectures: (Role: lecturer; JHMI/Regional)
3/5/12  “Cardiovascular Genetics” Johns Hopkins Community Physicians, Bethesda MD
1/15/13  “Cardiomyopathy Genetics 2013” GBMC medicine grand rounds, Towson MD.
5/6/13  “When Should You Consider Heart Failure Genetic?” Johns Hopkins Topics in Medicine.
Workshops /seminars
2003-2004 Course co-director, Genetics of Cardiovascular Diseases, Seminar series at Johns Hopkins sponsored by the D.W. Reynolds Center. This was a funded project to develop this series of lectures for trainees in cardiovascular research. I gave one of these lectures, organized the other 11 speakers, and reviewed the content of each lecture. (Role: lecturer and director, JHMI/Regional)


Mentoring
Pre-doctoral Advisees / Mentors
2003-2004 Connie Ng Hess, MD; Saratoff Student, Harvard University (secondary mentor); Currently Assistant Professor of Medicine/Cardiology, Duke University; Pub #6.

2003-2008 Mark M. Awad, MD, PhD; JHU MD/PhD student who focused his thesis on pathogenesis of ARVD under my primary mentorship, co-mentored by Hal Dietz, MD. Currently Instructor in Medicine, Harvard University, Dana Farber Cancer Institute, Boston MA; Pub: #14, 17, RA5.

2004-2005 F. Lauren Xu, MD; primary mentor for research in my lab between college and medical school. Currently Pathologist/Cytopathologist, Allegheny General Hospital, Pittsburgh PA; Pub: #9.

2004-2012 Nicole M Johnson, ScM; Currently genetic counselor Invitee, which is a clinical laboratory providing genetic testing. As one of the first cardiac genetic counselors in the country, she worked in the JHU Center for Inherited Heart Disease under my direction for 8 years. During this time, she was co-chair of the Cardiac Special Interest Group for National Society of Genetic Counselors. Pub: #23, 40, 86, RA6, CR8, BC4, LT1.

2005, summer Bumpi Cho, MD; JHU medical student in my lab; Currently Oncologist, Palo Alto Medical Foundation, CA; Pub #14.

2005, summer Rajiv Devanagonti, MD; JHU medical student in my lab; Currently Pediatric Cardiologist, Cleveland Clinic, Cleveland OH; Pub #16.

2008-2009 Sharmila Basu, MD; CCF medical student who spent one year of research in my laboratory, investigating the pathogenesis of ARVD; Currently Internal Medicine physician at Kaiser Permanente, San Diego CA. (No awards or publications)

2014-current Johana Almansa, ANP; Johns Hopkins nurse practitioner who is pursuing her Doctorate in Nursing Practice at the University of Maryland under his primary mentorship for her thesis, which is focused on improved diagnostic pathways for cardiac amyloidosis.

Post-doctoral Advisees / Mentors
2001-2004 Javid Moalehi, MD; Currently Assistant Professor, Director Cardio-Oncology, Vanderbilt University Medical Center; Mentored as an Internal Medicine resident who worked in my laboratory investigating genetic interaction between PKD1 and FBN1. Pub: #58.

2005-2011 Darshan Dalal, MBBS, MPH, PhD; Currently Senior Director, Global Medical Affairs at Novartis with joint appointment as Adjunct Assistant Professor of Medicine and Epidemiology JHU; Mentored while post-doctoral fellow and research associate in Medicine, Johns Hopkins University Division of Cardiology; Awards under my direction: finalist for Samuel A. Levine Young Clinical Investigator Award, AHA meeting, Nov 2006. Pub: #11, 12, 14, 16, 17, 20, 21, 25, 26, 27, 29, 31, 32, 36, 37, 39, 41, 50-56, 61, 64, 65, 67, 68, 69, 71, 77, 78, 79, 81-84 CR10.

2006-2012 David N Edwards, MD, PhD; Currently Electrophysiologist Advanced Heart Care, Dallas TX; Johns Hopkins Cardiology post-doctoral fellow 2006-2012; Chief fellow 2009-10. I was his primary clinical mentor during fellowship, and I helped him to direct his career towards clinical practice focused on inherited cardiovascular diseases. No shared publications.

2006-current Cynthia James, MS, PhD, CGC; Currently Assistant Professor of Medicine (Cardiology) Johns Hopkins University School of Medicine; mentored as a post-doctoral fellow and genetic counselor working in the JHU ARVD program, and I helped to promote her career development to current position as the only genetic counselor on faculty in the division of cardiology at JHU. Pub: #11, 12, 14, 16, 17, 20, 25, 27, 29, 31, 32, 36, 37, 39, 41, 50-56, 61, 64, 65, 67, 68, 69, 71, 77, 78, 79, 81-84 CR10.

2007-2008 A. Déniau den Haan, MD; Currently PhD candidate Academic Medical Center Amsterdam; visiting post-doctoral fellow investigating ARVD genetics in my lab; Awards under my direction: finalist for the Heart Rhythm Society Young Investigator Award, May 2009. Pub: #27, 31.
2008-2010
Boon Yew Tan, MBChB, MRCP; Currently Cardiologist at The Heart Centre, Singapore. Post-doctoral fellow sent from Singapore to learn how to investigate genetic forms of cardiomyopathy and arrhythmia. Received both research and clinical training at JHU, and I was his primary research mentor. Pub: #27, 29, 31; Review #13.

2008-current
Rosanne Rous, MD; Currently Assistant Professor of Medicine, Johns Hopkins Cardiology; Awards under my direction: Sarnoff Fellow-to-Petty Transition Award 2009; Finalist, 11th Annual Northwestern Cardiovascular Investigators’ Forum (Chicago) 2015; Pub: #44, 60, 100; Reviews #8, 10.

2008-2013
Mark E. Lindsay, MD, PhD; Currently Assistant Professor of Medicine, Harvard University; I co-mentored him while he was a post-doctoral fellow in laboratory of Hal Dietz, MD; Pub: #33, 49, 60, 80.

2009-2012
Rohan Wagie, MD; Currently Cardiologist at Kelsey-Seybold Clinic, Houston, TX; internal medicine resident (2009-11) and post-doctoral clinical fellow in my laboratory (2011-2012). Pub: #47.

2012-2015
Van-Khue Ton, MD, PhD; Currently Advanced HF & Transplant Cardiology Fellow at Columbia University in NY; was a clinical postdoctoral fellow working with me on TTR amyloidosis and HPnRF. Pub: Review #15 and scientific article in review. Assistant Professor of Medicine (Cardiology) at University of Maryland.

2012-2017
Stephen Chelko, PhD; Post-doctoral fellow in my laboratory; Awards under my direction: Heart Rhythm Society, Poster of Distinction (Highest Scoring Abstract) 2014 (San Francisco); Stanley Blumenthal Award for 1st place in cardiology research at yearly JHU Cardiology research retreat 2014; finalist for Young Investigator Award at Heart Rhythm Society 2015 scientific sessions (Boston); Pub: #62, 81, 86, Editorial #10. Currently Research Associate Johns Hopkins University School of Medicine.

2013-2017
Amelie SJM te Riele, MD, PhD; Post-doctoral fellow, University of Utrecht, Netherlands. Awards under my direction: best clinical abstract (Blumenthal award), JHU Cardiology research retreat 2015; finalist 10th annual Northwestern Cardiovascular Investigators’ Forum (Chicago) 2014; Pub: #52, 53, 55, 56, 61, 65, 67, 68, 69, 71, 77, 78, 79, 81, 82, 83. Currently clinical postdoctoral fellow in Cardiology in Amsterdam, Netherlands.

2015-2017
Yishen Joan Lee, MD; Post-doctoral fellow in my lab. Pub: Editorial #12. Currently clinical resident in Internal Medicine, Sinai Hospital, Baltimore, MD

**Thesis committees:**

**Defense**

10/2006
Neda Shariat, PhD; “Identification and functional characterization of mammalian genes involved in nonsense-mediated alternative splicing.” Role: committee member.

3/2008
Mark M. Awad, MD, PhD; “Genetics of Arrhythmogenic Right Ventricular Dysplasia.” Role: primary advisor.

12/2011
Kathleen C. Kent, PhD; “Etiology and pathogenesis of aortic aneurysm syndromes.” Role: committee member.

5/2013
Jefferson Doyle, MBBS, PhD; “TGF-beta in aortic aneurysm.” Role: committee member.

5/2017
Benjamin Kang, PhD; “Regulation of the TGF-beta transcriptional response through SKI-mediated modulation of the histone acetyltransferase activity of EP300/CREB.” Role: committee chair.

9/2017
Nicole Wilson, PhD; “A Gene-by-Environment Interaction Informs Aortic Segment-Specific Vulnerability for Aneurysm Formation in Mendelian Aortopathies.” Role: committee member.

TBS
Robert Wardlow, Defense — to be scheduled; Title — not yet chosen; Role: committee member.

**Advisory Committees, Review Groups/Study Sections**

6/06
NIH/NHLBI ad hoc reviewer for RFA-HL-06-012, “Genome-Wide Association Studies to Identify Genetic Components that Relate to Heart, Lung, and Blood Disorders (ROI)”

4/07
American Heart Association – Mid-Atlantic Study Section 1 (Cardiac Biology, Vascular Biology, & Blood Pressure Regulation)

2007-2009
External reviewer (ad hoc) for French National Research Agency (ANR) program for Maladies Rares (MRAR; for rare diseases; INSERM)

8/09
External reviewer (ad hoc) for National Health and Medical Research Council (NHMRC)

9/10
Ad hoc review for United States-Israel Binational Science Foundation.

3/13
Ad hoc reviewer for NIDDK ancillary studies for PAR-12-265, “Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK.”

**Professional Societies**

2000-current
National Marfan Foundation; member.

2005-current
American Heart Association; member Council on Functional Genomics and Translational Biology.
2008-current  Heart Rhythm Society; member.
2016-current  Heart Failure Society of America; member.
2016-current  European Cardiac Arrhythmia Society
2016-current  European Society of Cardiology

Session Chair
National
3/10/04  American College of Cardiology, annual scientific sessions, “Molecular and Cell-based Studies in Heart Failure” New Orleans, LA.
11/13/06  American Heart Association, annual scientific sessions, “Novel aspects of Hypertrophic Cardiomyopathy” Chicago, IL.
11/7/07  American Heart Association, annual scientific sessions, “Clinical Advances in Hypertrophic Cardiomyopathy” Orlando, FL.
5/11/12  Heart Rhythm Society, annual scientific sessions, “Practical Evaluation of the Patient with an Inherited Arrhythmia” Boston, MA.
5/15/15  Heart Rhythm Society, annual scientific sessions, “Arrhythmogenic Cardiomyopathy – New Disease Alleles” Boston, MA.
11/15/16  American Heart Association, annual scientific sessions, “More Than You Bargained For: Implications of Incidental Genetic Findings in Clinical Practice” New Orleans, LA.
9/16/17  Heart Failure Society of America, annual scientific sessions, “The Elephant in the Rheum: Autoimmune Cardiomyopathies” Dallas, TX.

International
5/30/12  Israel Heart Society in conjunction with Foundation Leducq, Heart Valve Summit, “Aortic Valve – Biology and Clinical Correlates” Jerusalem, Israel.

Data and Safety Monitoring Boards:
2013–present  Member DSMB for the Cooperative International Neuromuscular Research Group. CINRG is a clinical trial network with more than 25 sites around the world that performs clinical trials and research studies in patients with neuromuscular disorders. I am the only cardiologist on this DSMB.
2015–present  Member DSMB for the HOPE-Duchenne (Halt cardiomyopathy progression in Duchenne) trial. (sponsored by Capricor Therapeutics). This is a phase 2 clinical trial testing exosome therapy for individuals with Duchenne muscular dystrophy and cardiomyopathy. I am the only cardiologist with expertise in Duchenne muscular dystrophy on this DSMB.

Scientific Advisor/Consultant:
2/15  FibroGen Duchenne Advisory Board
8/15  Glaxo Smith Kline Scientific Advisor for design of a clinical trial for TTR amyloidosis.
2/16–present  Steering committee for the ENDRAVOUR clinical trial with Alnylam Pharmaceuticals
3/16–present  Invited Scientific Advisor, this company performs clinical genetic tests.
7/16–present  Scientific Advisor, Eidos Biopharma; this startup company is developing a novel therapy for TTR cardiac amyloidosis.
7/17–present  Scientific Advisor for AdRx Pharmaceuticals; this startup company is developing a novel therapy for TTR cardiac amyloidosis.
8/17–present  Consultant for Phosphorus, a company developing better approaches to whole-genome sequencing for clinical applications.

RECOGNITION
Awards, Honors
1988  Phi Beta Kappa
1988  Graduation cum laude, College of the Holy Cross
1991  Four Schools Physician-Scientist Program (1991 to 1999); Program founded by the Departments of Medicine at Johns Hopkins, The University of Pennsylvania, Duke University, and Washington University to promote careers in academic medicine among 3rd year medical students; sponsored by the Lucille P. Markey Charitable Trust. This award paid salary support for 1 year of research, 1 year of medical school, and 2 years of post-doctoral fellowship research.
1993  George Householder, III Award in Cardiovascular Research; Awarded by the University Of Pennsylvania School Of Medicine to the graduating student who performed the best cardiovascular research.
2005

Opler Medicine and Science Award, in recognition of outstanding teaching contribution to the Opler Medical Housestaff at Johns Hopkins.

Invited Talks

**JHMI/Regional**

- 5/23/01 “Familial Dilated Cardiomyopathy” Cardiology grand rounds at Johns Hopkins
- 2/20/02 “Marfan Syndrome: New Insights into Pathogenesis” Cardiology grand rounds at Johns Hopkins
- 4/9/03 “Genetic Forms of Vascular Diseases” Cardiology grand rounds at Johns Hopkins
- 1/9/04 “A 44 Year-Old Woman with Familial Cardiomyopathy and Premature Aging” Medical grand rounds at Johns Hopkins
- 2/23/05 “Clinical Genetic Testing for Cardiomyopathy” Cardiology grand rounds at Johns Hopkins
- 2/28/07 “Cardiomyopathy Genetics” Cardiology grand rounds at Johns Hopkins
- 9/22/08 “The Expanding Role for Genetic Evaluation in Cardiomyopathy” Pathology grand rounds at Johns Hopkins
- 10/3/08 “A Special Dedication to Victor A. McKusick, MD” with Drs. M.I. Weisfeldt and D. Valle, Medical grand rounds at Johns Hopkins
- 1/16/09 “Use of Genetics in the Clinical Practice of Heart Failure” Medical grand rounds at Johns Hopkins
- 3/14/12 “Cardiomyopathy Genetics in 2012” Cardiology grand rounds at Johns Hopkins
- 11/14/12 “New approaches for the diagnosis & treatment of cardiac amyloid” Cardiology grand rounds JHU
- 11/5/14 “Cardiomyopathy Genetics” Cardiology grand rounds at Johns Hopkins
- 1/9/15 “New Approaches for the Diagnosis and Treatment of Cardiac Amyloidosis.” Medical grand rounds at Johns Hopkins
- 11/4/15 “New Developments for Cardiac Amyloidosis” Cardiology grand rounds at Johns Hopkins
- 10/5/16 “Update on Cardiac Genetics” Cardiology grand rounds at Johns Hopkins

**National**

- 12/1/05 “TGF-beta antagonism in mouse models of Marfan Syndrome” 6th Pan Pacific Connective Tissue Societies Symposium, Waikoloa, Hawaii (invited lecture).
- 12/14/05 “Cardiovascular Genetics: Marfan syndrome to Cardiomyopathy” Cleveland Clinic Foundation, invited grand rounds; Cleveland, OH (invited lecture).
- 3/13/06 “BAV: Genetics of the valve and aortic root disorders.” American College of Cardiology annual scientific sessions, Atlanta, GA (invited lecture).
- 6/7/06 “Genetics of Cardiomyopathy.” American Society of Echocardiography; national meeting, Baltimore, MD (invited lecture). This was a national meeting, which was held in Baltimore; not related to JHMI.
- 11/7/07 “What is the role of genetic testing in clinical practice?” American Heart Association meeting, Ask the Experts session, Orlando, FL (invited lecture).
- 6/5/08 “Cardiomyopathy Genetics” University of Florida Cardiology Grand Rounds, Gainesville, FL (invited lecture).
- 12/12/08 “Cardiovascular Genetics” CME course for South American Cardiologists attending the NY regional ACC meeting, hosted by Johns Hopkins office of CME, New York, NY (invited lecture).
- 5/27/09 “Genetics and Treatment of Familial Cardiomyopathy” International Society For Heart Research, Baltimore, MD (invited lecture for an international group, conference held in Baltimore).
- 9/15/09 How To: “Genetic Screening and Counseling for Patients with Heart Failure” at the Heart Failure Society of America, 13th Annual Scientific Meeting, Boston, MA (invited lecture).
- 10/14/09 “The role of fibrillin-1 in cardiovascular biology” Invited seminar speaker for the Medical University of South Carolina Department of Regenerative Medicine and Cellular Biology, Charleston, SC (invited lecture).
- 11/16/09 “Cardiomyopathy Genetics” focus group for satellite symposium, American Heart Association annual scientific sessions, Orlando, FL (invited lecture).
- 3/23/10 “Cardiac Amyloid” Medical Grand Rounds at Medical University of South Carolina, Charleston, SC (invited lecture).
- 5/5/11 “The scope of the problem: How do I know if a sequence variant is pathogenic?” Invited talk at the Heart Rhythm Society Annual Scientific Sessions 2011, San Francisco CA (invited lecture).
10/29/11 “ITR Amyloid: Cardiac Symptoms and Issues” invited lecture, Familial Amyloid Meeting, Chicago IL, (invited lecture for a large national patient group).

1/31/12 “TGR-beta in Cardiovascular Disease” invited lecture at the Molecular Cardiology Research Institute, Tufts Medical Center, Boston MA, (invited lecture).

2/1/12 “Cardiomyopathy Genetics” Cardiology grand rounds, UMass Medical Center, Worcester, MA, (invited lecture).

3/25/12 Invited Expert Panel, “ACC Meet the Experts: Heart Failure In Stable Ischemic Heart Disease: Not For The Weak of Heart.” American College of Cardiology Annual Scientific Sessions, Chicago, IL.

4/19/12 “The Effect of OCT-Related Collagen Deficiencies on Heart Function” at the 12th Osteogenesis Imperfecta Foundation Scientific meeting, Chicago, IL, (invited lecture).

5/11/12 “Risk Stratification in ARVC” at the Heart Rhythm Society’s 33rd Annual Scientific Sessions, Boston, MA, (invited lecture).

5/12/12 “Subspecialty in Genetics of Arhythmogenic Syndromes: Are We Ready For It?” at the Heart Rhythm Society’s 33rd Annual Scientific Sessions, Boston, MA, (invited lecture).

10/15/12 “TGF-beta Signaling in Marfan Syndrome and Related Disorders” at the National Association of Vascular Biology (NAVB) Genetics and Genomics of Vascular Disease Workshop, Asilomar Conference Center, CA, (invited lecture).

3/11/13 “Progress from Pathophysiology to Practice: Cardiomyopathy - Sorting Out Zebras and Horses; Is it ARVD?” invited lecture at the American College of Cardiology annual scientific sessions, San Francisco, CA, (invited lecture).

3/22/13 “Medical Treatments for Marfan Related Aortic Disease” at the Houston Aortic Symposium, Houston, TX, (invited lecture).

4/10/13 “New Insights from Inherited Forms of Cardiomyopathy” at the National Institutes of Health/NHLBI, Bethesda, MD, (invited lecture).

5/10/13 “ARVC: Insights from Recent Advances in Genetics” at the Heart Rhythm Society’s 34th Annual Scientific Sessions, Denver CO, (invited lecture).

11/7/13 “Cardiac Issues in Osteogenesis Imperfecta” Biennial US Osteogenesis Imperfecta National Conference, Baltimore, MD, (invited lecture for this national organization’s yearly meeting).

11/19/13 “Recognizing Muscular Dystrophy in your Patient with Cardiomyopathy” at the American Heart Association’s annual scientific sessions, Dallas, TX, (invited lecture).

3/30/14 “Protein Misfolding in HFrEF: A New Mechanism for Targeting” American College of Cardiology annual scientific sessions, Washington, DC, (invited lecture).

4/23/14 “Genetics of Cardiomyopathy” at Boston Medical Center/Boston University Cardiology Grand Rounds, Boston, MA, (invited lecture).

5/1/14 “Genetics of Cardiomyopathy” at Sanger Heart and Vascular Institute Cardiology Grand Rounds, Charlotte NC.

5/9/14 “Sending the Wrong Genetic Test” at the Heart Rhythm Society’s 35th Annual Scientific Sessions, San Francisco CA, (invited lecture).

5/9/14 Expert Panel member (with Josep Brugada and Martin Borggreve) for “Inherited Arhythmogenic Syndromes: Diagnostic and Prognostic Lessons” at the Heart Rhythm Society’s 35th Annual Scientific Sessions, San Francisco CA, (invited lecture).

11/18/14 “Sodium Channel Mutations and a Cardiomyopathy Phenotype” American Heart Association’s annual scientific sessions, Chicago IL, (invited lecture).

7/10/14 Member of Working Group “Contemporary Cardiac Issues in Duchenne Muscular Dystrophy” supported by NIH and Parent Project Muscular Dystrophy, Bethesda MD, (invited lecture and panel).

5/14/15 “Mutations in Sodium Channel Proteins and the Arhythmogenic Cardiomyopathy Phenotype” Heart Rhythm Society’s 36th Annual Scientific Sessions, Boston MA, (invited lecture).


10/31/15 TTR/Familial Amyloidosis Support Meeting – Invited Expert; Chicago, IL.


4/3/16 “Emerging Therapies in TTR Cardiac Amyloidosis” American College of Cardiology annual scientific sessions, Chicago, IL, (invited lecture).

5/19/16 “Cardiac Biomarkers in Adult Heart Disease” Management of Acute Cardiac Issues in Duchenne workshop at the Nationwide Children’s Hospital, Columbus, OH (invited lecture).

9/18/16 “Role of Genetic Testing for Cardiomyopathy in Asymptomatic Individuals” Heart Failure Society of America annual scientific sessions, Orlando FL (invited lecture).
10/12/16 “Translational Research in Genetic Cardiomyopathies” seminar series for the Department of Regenerative Medicine, Medical University of South Carolina, Charleston, SC (invited lecture).


5/13/17 “Discovery of Novel Disease Genes Through Whole Exome Sequencing: Successes and Pitfalls of This Approach” Heart Rhythm Society’s 36th Annual Scientific Sessions, Chicago, IL (invited lecture).

9/16/17 “Calcium Sensitizers: Old and New” Heart Failure Society of America annual scientific sessions, Dallas TX (invited lecture).

International

9/16/05 “TGFβ antagonism in mouse models of Marfan syndrome” 7th International Symposium on The Marfan Syndrome, Ghent, Belgium, (invited lecture).

6/4/07 “ARVD/C on both sides of the Atlantic I: USA Experience” European Cardiac Arrhythmia Society symposium, Marseille, France, (invited lecture).

10/21/07 “ARVD/C Genetics at Johns Hopkins” Canadian Cardiovascular Congress annual meeting, Quebec City, Canada, (invited lecture).

5/23/08 “Clinical Genetics of Cardiomyopathy” 19th Annual Scientific Meeting of the Puerto Rico Chapter of the American College of Cardiology, San Juan, PR, (invited lecture).


10/3/09 “Evaluating DNA Variants” at the Cardiac Genetics for Genetic Counselors, Nurses, and Practitioners meeting, Hospital for Sick Children, Toronto, Ontario, (invited lecture).

7/5/10 “Heart disease runs in families” for the Trinidad & Tobago “Doctor in the House” television program, broadcast nationally on IBN-TT, Port of Spain Trinidad; this was related to my work with the JHU-sponsored cardiology fellowship training program in Trinidad.

12/7/10 “Obstructive cardiomyopathy with SAM : Physiopathology” for the Heart Valve Club meeting at Hôpital Européen Georges Pompidou, Paris France, (invited lecture).

5/20/11 “The Role of Fibrillin-1 in Human Disease” in Cardiology Grand Rounds, University of Maastricht, Maastricht, the Netherlands, (invited lecture).


11/4/11 “REVERSE-DBMD Trial” invited lecture for the Action Duchenne conference, London UK, (invited lecture to present data from a clinical trial for which I was co-PI).

10/18/12 “Cardiological Examinations for TTR Amyloidosis” at the Pfizer Global Vyn疍qel (tafamidis) Advisory Board meeting, London UK, (invited lecture).

7/1/14 “Evaluation and Management of Heart Failure 2014” invited grand rounds speaker at the Hospital of Kuala Lumpur, Kuala Lumpur, Malaysia, (invited lecture in conjunction with my activities for the JHU-affiliated Perdana university medical school in Malaysia).

8/27/16 “Insights from the Johns Hopkins & Netherlands Consortium” satellite symposium on Arrhythmogenic Cardiomyopathy for the European Society of Cardiology’s annual scientific sessions, Rome, Italy (invited lecture).

8/30/16 “Modulation of Pathogenic Pathways in Arrhythmogenic Right Ventricular Cardiomyopathy” for the European Society of Cardiology annual scientific sessions, Rome Italy (invited lecture).

12/17/16 “Advances in Arrhythmogenic Cardiomyopathy: Basic Science to Clinical Management” for the Societa Italiana di Cardiologia (Italian Society of Cardiology) 77th annual meeting, Rome Italy (invited lecture; accepted invitation).

04/02/17 “Genetics of Arrhythmogenic Right Ventricular Cardiomyopathy” at Fuwai Hospital, Beijing China; invited as an expert on this topic to help them to develop an internationally recognized program for cardiac genetics in the context of cardiac transplantation.
MEMORANDUM

Date: September 18, 2017

TO: MUSC GMEC

FROM: Prabhakar Baliga, MD, Department of Surgery Chair

RE: Appointment of New Program Director to our Vascular Surgery-Integrated Residency Program
Name: Ravi Veeraswamy, MD
Dept: Surgery

I would like to nominate, Ravi Veeraswamy, MD for the position of Vascular Surgery program director. Dr. Veeraswamy will have authority and accountability for the operation of all components of the residency program. Dr. Veeraswamy has been selected to replace Dr. Jacob Robison who is retiring on October 1, 2017. Dr. Veeraswamy has served as Associate Program Director at Emory before coming to Charleston.

Dr. Veeraswamy is currently a Professor in the Dept. of Surgery. He has been Board certified in general surgery since 2006 and Board certified in Vascular surgery since 2008 and holds a MUSC medical staff appointment. His South Carolina Medical License Number is 40142. Enclosed is Dr. Veeraswamy’s curriculum vitae.

I am recommending Dr. Veeraswamy for this appointment to begin on October 1, 2017. I acknowledge that Dr. Veeraswamy will need to maintain board certification for the duration of his appointment as Program Director.

I have reviewed the Program Requirements for the vascular surgery residency program which are posted on the ACGME website, and can assure the GMEC that Dr. Veeraswamy can comply with all requirements. Dr. Veeraswamy will be responsible for the supervision of all program sites.

The Department of Surgery will ensure that the Program Director has sufficient financial and administrative support and protected time for his educational and administrative responsibilities to the program.

I have discussed all the above with Dr. Veeraswamy. After approval by the GMEC, I understand the current program director needs to notify the ACGME electronically using their WebADS system.

Sincerely,

[Signature]

Dr. Prabhakar Baliga, MD
Chair, Department of Surgery

c: Ravi Veeraswamy, MD

Enclosure: CV
SCHOOL ADDRESS

Division of Vascular Surgery
Department of Surgery
College of Medicine

Work Email: veeraswa@musc.edu

EDUCATION

<table>
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<tr>
<th>Year</th>
<th>Institution</th>
<th>Degree</th>
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<td>Johns Hopkins University</td>
<td>B.A.</td>
<td>Medicine</td>
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<td>1997</td>
<td>Johns Hopkins University</td>
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POSTDOCTORAL EDUCATION

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<tr>
<td>2005 - 2006</td>
<td>Barnes-Jewish Hospital, St. Louis, MO</td>
<td>Fellow</td>
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<td>2002 - 2005</td>
<td>Barnes-Jewish Hospital, St. Louis, MO</td>
<td>Resident</td>
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<tr>
<td>1999 - 2002</td>
<td>Washington University School of Medicine, St. Louis, MO</td>
<td>Howard Hughes Post-Doctoral Research Fellow</td>
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<tr>
<td>1998 - 1999</td>
<td>Barnes-Jewish Hospital, St. Louis, MO</td>
<td>Resident</td>
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<tr>
<td>1997 - 1998</td>
<td>Johns Hopkins Hospital</td>
<td>Intern</td>
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LICENSURE AND CERTIFICATION

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<td>1999</td>
<td>Licensure - Medical License, State of Missouri</td>
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<td>1997</td>
<td>Licensure - Medical License, State of Maryland</td>
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<td>2008</td>
<td>Certification - American Board of Surgery, Vascular</td>
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<td>2006</td>
<td>Certification - American Board of Surgery, General Surgery</td>
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FACULTY APPOINTMENTS

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<tr>
<td>2016 - 2016</td>
<td>Medical University of South Carolina, Surgery, Division of Vascular Surgery</td>
<td>Professor</td>
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<td>2010 - 2016</td>
<td>Vascular Surgery Fellowship Program</td>
<td>Program Director</td>
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<td>2006 - 2011</td>
<td>Emory University School of Medicine, Surgery</td>
<td>Associate Professor</td>
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<tr>
<td>2006 - 2011</td>
<td>Atlanta Veterans Administration Medical Center, Surgery</td>
<td>Associate Professor</td>
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ADMINISTRATIVE POSITIONS

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<tr>
<td>2009 - 2012</td>
<td>Associate Program Director</td>
<td>Mortality and Morbidity</td>
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<td>2008 - 2012</td>
<td>Co-Director</td>
<td>Conference Department of Surgery</td>
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PROFESSIONAL EXPERIENCE

<table>
<thead>
<tr>
<th>Year</th>
<th>Title/Position</th>
<th>Institution/Organization</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006 - Present</td>
<td></td>
<td>Emory University Hospital Clinical Staff</td>
<td></td>
</tr>
<tr>
<td>2006 - Present</td>
<td></td>
<td>Children's Healthcare of Atlanta, Egleston Children's Hospital Clinical Staff</td>
<td></td>
</tr>
<tr>
<td>2006 - 2011</td>
<td></td>
<td>Atlanta Veterans Affairs Medical Center Clinical Staff</td>
<td></td>
</tr>
</tbody>
</table>
### Professional Societies/Associations - International

<table>
<thead>
<tr>
<th>Year</th>
<th>Society/Association</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015 - Present</td>
<td>The Southern Surgical Association</td>
<td>Member</td>
</tr>
<tr>
<td>2015 - 2016</td>
<td>South Asian Association for Vascular Surgery</td>
<td>President</td>
</tr>
<tr>
<td>2014 - Present</td>
<td>Society for Vascular Surgery, TEVAR writing Group</td>
<td>Annual Meeting, Program Committee</td>
</tr>
<tr>
<td>2014 - Present</td>
<td>Society for Vascular Surgery</td>
<td>Chair, Fellows Program 2014 - and Technology Exchange</td>
</tr>
<tr>
<td>2014</td>
<td>Vascular and Endovascular Surgery Society</td>
<td>Peer Reviewer for ACCF/AHA/SCAI 2013 Health Policy Statement (HPS)</td>
</tr>
<tr>
<td>2013</td>
<td>Society for Vascular Surgery</td>
<td>Young Surgeons Advisory Committee</td>
</tr>
<tr>
<td>2011 - 2014</td>
<td>Society for Vascular Surgery</td>
<td>Fund Raising Committee</td>
</tr>
<tr>
<td>2010 - 2012</td>
<td>Peripheral Vascular Surgery Society</td>
<td>Program Committee</td>
</tr>
<tr>
<td>2010</td>
<td>Peripheral Vascular Surgery Society</td>
<td>Member</td>
</tr>
<tr>
<td>2010</td>
<td>The South Asian American Vascular Society</td>
<td>Member</td>
</tr>
<tr>
<td>2010</td>
<td>Association for Program Directors Vascular Surgery</td>
<td>Research and Education Committee</td>
</tr>
<tr>
<td>2009 - 2012</td>
<td>Society for Vascular Surgery</td>
<td>Member</td>
</tr>
<tr>
<td>2008</td>
<td>Peripheral Vascular Surgery Society</td>
<td></td>
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</table>

### Professional Societies/Associations - National

<table>
<thead>
<tr>
<th>Year</th>
<th>Society/Association</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>Vascular and Endovascular Surgery Society</td>
<td>Executive Committee</td>
</tr>
<tr>
<td>2013</td>
<td>Peripheral Vascular Surgery Society</td>
<td>Chair, Program Committee</td>
</tr>
<tr>
<td>2009</td>
<td>Society for Vascular Surgery</td>
<td>Member</td>
</tr>
<tr>
<td>2008</td>
<td>American College of Surgeons</td>
<td>Member</td>
</tr>
</tbody>
</table>

### Professional Societies/Associations - Regional

<table>
<thead>
<tr>
<th>Year</th>
<th>Society/Association</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>Georgia Vascular Surgery Society</td>
<td>Secretary/Treasurer</td>
</tr>
<tr>
<td>2014 - Present</td>
<td>Georgia Vascular Surgery Society</td>
<td>Executive Committee</td>
</tr>
<tr>
<td>2013 - Present</td>
<td>Southern Association for Vascular Surgery</td>
<td>Chair, 2013 - Communications Committee</td>
</tr>
<tr>
<td>2010</td>
<td>The Southern Association for Vascular Surgery</td>
<td>Member</td>
</tr>
<tr>
<td>2010</td>
<td>Georgia Surgical Society</td>
<td>Member</td>
</tr>
<tr>
<td>2008</td>
<td>Atlanta Vascular Society</td>
<td>Member</td>
</tr>
</tbody>
</table>

### Journal Articles Reviewed

<table>
<thead>
<tr>
<th>Year</th>
<th>Society/Association</th>
<th>Role</th>
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</thead>
<tbody>
<tr>
<td>2011 - Present</td>
<td>Journal of Vascular Surgery</td>
<td>Key Reviewer</td>
</tr>
<tr>
<td>2011 - Present</td>
<td>Journal of Gerontology</td>
<td></td>
</tr>
<tr>
<td>2011 - Present</td>
<td>Journal of Vascular Surgery</td>
<td></td>
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<tr>
<td>2011</td>
<td>American Journal of Transplantation</td>
<td></td>
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<tr>
<td>2010 - Present</td>
<td>International Journal of Vascular Medicine</td>
<td></td>
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<tr>
<td>2009</td>
<td>Vascular</td>
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<tr>
<td>2008</td>
<td>Annals of Vascular Surgery</td>
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### Contracts and Grants

<table>
<thead>
<tr>
<th>Year</th>
<th>Funding Source</th>
<th>Agency Award Number</th>
<th>Amount Funded</th>
<th>PI/CO-PI</th>
<th>% Effort</th>
<th>Grant Title</th>
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<tbody>
<tr>
<td>Present</td>
<td>Medtronic, Inc.</td>
<td></td>
<td>$93,500</td>
<td>Principal Investigator</td>
<td></td>
<td>A Benchtop Model of Type B Dissection</td>
</tr>
<tr>
<td>2012 - 2020</td>
<td>Endologix</td>
<td></td>
<td>Pending</td>
<td></td>
<td></td>
<td>Prospective, multicenter, single arm safety and effectiveness trial of the Endologix Fenestrated Stent Graft System for the Endovascular Repair of Juxtarenal/Pararenal (JAA/PAA) Aneurysms (Vestana)</td>
</tr>
<tr>
<td>Year</td>
<td>Sponsor</td>
<td>Grant Amount</td>
<td>Role</td>
<td>Description</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>----------------------------------------------</td>
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<td>------------------</td>
<td>-----------------------------------------------------------------------------</td>
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<tr>
<td>2011 - 2015</td>
<td>Cook</td>
<td>$15,950</td>
<td>Principal Investigator</td>
<td>Zenith TX2 Low Profile TAA Endovascular Graft Clinical Study</td>
<td></td>
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<tr>
<td>2010 - 2014</td>
<td>Abbott</td>
<td>$18,840</td>
<td>Principal Investigator</td>
<td>The mobility/Trial</td>
<td></td>
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<tr>
<td>2010 - 2014</td>
<td>LeMaitre Vascular, Inc.</td>
<td>$200,000</td>
<td>Co-Principal Investigator</td>
<td>A Phase I Feasibility Study of the TAArgent Thoracic Stent Graft for the Treatment of Aneurysm in the Descending Thoracic Aorta (ENTRUST)</td>
<td></td>
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<tr>
<td>2009 - 2014</td>
<td>Medronic</td>
<td>$100,000</td>
<td>Co-Principal Investigator</td>
<td>Descending Thoracic Aortic Endovascular Repair Post Approval Study (THRIVE)</td>
<td></td>
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<tr>
<td>2009 - 2011</td>
<td>W.L. Gore &amp; Associates</td>
<td>$54,195</td>
<td>Co-Principal Investigator</td>
<td>GORE EMBOLIC Filter In Carotid Stenosing for high risk Surgical Surject (EMBOLDEN)</td>
<td></td>
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<tr>
<td>2009 - 2010</td>
<td>Medronic Vascular, Inc.</td>
<td>$5,000</td>
<td>Co-Principal Investigator</td>
<td>Dissection Trial - Historical Mortality Rates Following Treatment of Complicated, Acute, type B Aortic Dissection</td>
<td></td>
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<tr>
<td>2008 - 2011</td>
<td>CardioMEMS EndoSure™</td>
<td>$4,925</td>
<td>Principal Investigator</td>
<td>Pressure and Imaging—Using the CardioMEMS EndoSure™ Sensor for Long-term Follow-up after EVAR with Standard Surveillance (PRICELESS Prospective Registry)</td>
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<tr>
<td>2008 - 2011</td>
<td>Medronic Vascular, Inc.</td>
<td>$145,700</td>
<td>Co-Principal Investigator</td>
<td>Endurant Stent Graft System US Clinical Study</td>
<td></td>
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<tr>
<td>2008 - 2011</td>
<td>Lombard Medical Technology, Inc.</td>
<td>$52,595</td>
<td>Co-Principal Investigator</td>
<td>Evaluation of EndoRezix Endovascular Delivery System and Staple</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2007 - Present</td>
<td>LeMaitre Vascular, Inc.</td>
<td>$66,600</td>
<td>Co-Principal Investigator</td>
<td>Clinical Study of Aneurysm Exclusion using the EndoFit® Aorto-uni-iliac Endoluminal Stent Graft (UNITED)</td>
<td></td>
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</tr>
<tr>
<td>2007 - 2014</td>
<td>Cordis Corporation</td>
<td>$74,550</td>
<td>Co-Principal Investigator</td>
<td>Stenting and Angioplasty with Protection in Patients at High Risk for Endarterectomy (SAPPHIRE WW - P06-3603)</td>
<td></td>
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<tr>
<td>2007 - 2014</td>
<td>EV3</td>
<td>$66,845</td>
<td>Principal Investigator</td>
<td>Ceroid Revascularization with EV3 Technology</td>
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<tr>
<td>2007 - 2012</td>
<td>Aptus Staple II</td>
<td>$23,765</td>
<td>Co-Principal Investigator</td>
<td>STAPLE-2 the Pivotal Study of the APTUS Endovascular AAA Repair System</td>
<td></td>
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<tr>
<td>2006 - 2011</td>
<td>Aptus Endosystems</td>
<td>$26,831</td>
<td>Co-Principal Investigator</td>
<td>STAPLE-1 Feasibility Study to Evaluate the Aptus Endovascular AAA Repair System</td>
<td></td>
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<tr>
<td>2005 - 2014</td>
<td>VA Cooperative Studies</td>
<td>0</td>
<td>Principal Investigator</td>
<td>OVER Trial: A Randomized Controlled Trial to Compare Elective Open vs Endovascular Repair of Abdominal Aortic Aneurysms (AAA).</td>
<td></td>
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<tr>
<td>2005 - 2011</td>
<td>Edward Life Sciences</td>
<td>$33,691</td>
<td>Co-Principal Investigator</td>
<td>Randomized Study Comparing the Edwards Self-Expanding LifeStent vs. Angioplasty-alone In Lesions Involving the SFA and/or proximal popliteal Artery (RESILIENT)</td>
<td></td>
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</tbody>
</table>

**HONORS AND AWARDS**

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>Resident of the Year Teaching Award The Washington University School of Medicine</td>
</tr>
<tr>
<td>2004</td>
<td>Director of Medical Ethics Symposium Barnes-Jewish Hospital</td>
</tr>
<tr>
<td>1999 - 2002</td>
<td>Post-Doctoral Research Fellowship Howard Hughes Medical Foundation</td>
</tr>
<tr>
<td>1994 - 1995</td>
<td>Medical Student Research Fellowship Howard Hughes Medical Foundation</td>
</tr>
<tr>
<td>1990</td>
<td>Chairperson, The Milton S. Eisenhower Symposium The Johns Hopkins University</td>
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**HOSPITAL COMMITTEES**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of Committee</th>
<th>Role</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2014 - Present
Member
Cardiovascular Procedures 2016 - Emory Healthcare
Lombard Medical, Thoracic Stent Graft Scientific Advisory Board
Oversight Committee, Vascular Fellowship Program
Search Committee for Chairman, Department of Anesthesiology
Surgery Research Advisory Council
Physician Executive Committee, Emory Clinic
Physician Executive Committee, The Emory Clinic
Peri-Operative Committee
Surgical Advisory Committee
Surgery Education Committee
Annual Medical Student Mentorship Program

UNIVERSITY COMMITTEES

Year | Name of Committee | Role | Institution
--- | --- | --- | ---
2014 - Present | Member | Managed Care Credentialing Committee

TEACHING EXPERIENCE/CURRICULUM DEVELOPMENT

Year | Title/Description
--- | ---
2006 - Present | Medical Student Teaching - Clinical teaching of medical students/residents/fellows in general vascular surgery at Emory University Hospital

MENTORING ACTIVITIES

Year | Student Name | Institution | Role
--- | --- | --- | ---
2015 - Present | Catherine Lancaster, Robert John Beaulieu, Francisco Eduardo Fantes, Olivia Allen Groover, Caitlin Meghan McCord, Andrew Michigan, Steven Lindsey, Dayna Moore, Melissa Shah, Gregory Starchel | Emory University Hospital, and the VA Medical Center | Thesis Advisor
2015 - Present | Veer Chahwala, M.D. | Medical Student Mentoring: Frances Hu, candidate for MSCR | Clinical teaching of medical students/residents/fellows in general vascular surgery
2015 - Present | JohnPaul Chizea, M.D. | Emory University Hospital, and the VA Medical Center | Clinical teaching of medical students/residents/fellows in general vascular surgery
2014 - Present | Chandler Long, M.D. | Emory University Hospital, and the VA Medical Center | Clinical teaching of medical students/residents/fellows in general vascular surgery
2014 - Present | Medical Student Mentoring: Jov Bičnik, candidate for M.D./Ph.D. | Emory University Hospital, and the VA Medical Center | Thesis Advisor
2014 | William Ashwander, M.D. | Emory University Hospital, and the VA Medical Center | Clinical teaching of medical students/residents/fellows in general vascular surgery
2013 - 2015 | Rashma Brahmbhatt, M.D., Assistant Professor University of Tennessee | Emory University Hospital, and the VA Medical Center | Clinical teaching of medical students/residents/fellows in general vascular surgery
2013 - 2015 | Michele Taubman, M.D. | Emory University Hospital, and the VA Medical Center | Clinical teaching of medical students/residents/fellows in general vascular surgery
2012 - 2014 | Kevin Brown, M.D. | Emory University Hospital, and the VA Medical Center | Clinical teaching of medical students/residents/fellows in general vascular surgery
2012 - 2014 | Janie Ruddy, M.D., Assistant | Emory University Hospital, and the VA Medical Center | Clinical teaching of medical students/residents/fellows in general vascular surgery

2012 - 2014 | Member | Emory University Hospital, and the VA Medical Center | Clinical teaching of medical students/residents/fellows in general vascular surgery
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shannon Beal, M.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>General Vascular Surgery</td>
</tr>
<tr>
<td>Siddharth Patel, M.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Dorian DeFreitas, M.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Paul Riesenberg, M.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Demi Liu, Ph.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>James Reeves, M.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Luke Brewster, M.D., Ph.D.</td>
<td>Assistant Professor Emory University of School of Medicine</td>
<td>Research interests have been focused on treating aortic dissections. Dissection anatomy and physiology...</td>
</tr>
<tr>
<td>Usha Bhagni, Ph.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Javer Chung, M.D., Assistant Professor UT Southwestern, Dallas, TX</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Naren Gupta, M.D., Ph.D., Assistant Professor VA Medical Center, West Roxbury, MA</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Jeff Wang, M.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Edward Li, M.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Pegge Halandras, M.D., Assistant Professor Loyola University</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Deepak Nair, M.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
<tr>
<td>Eyal Ben-Arie, M.D.</td>
<td>Emory University Hospital, and the VA Medical Center</td>
<td>Clinical teaching of Medical Students/Residents/Fellows in General Vascular Surgery</td>
</tr>
</tbody>
</table>

**Research Interests**

- My clinical research is focused on treating aortic dissections. Dissection anatomy and physiology remains a challenging clinical and engineering problem. We have brought together a multi-disciplinary team of engineers, surgeons and radiologists to develop models of dissection with the aim of developing novel endografts to help manage aortic dissections. The research group includes Dr. David Ku (Georgia Tech), Joav Birjiniuk (MD PhD student), John Oshinski (Radiology) and Bradley Leshner (Cardiac Surgery).

**Invited Presentations**

1. Emory Amphitheatre: Most EPIC Case of 2017: The Search for the Lazarus Prize Among the SEC (Worst Complication, Best Save)
2. Houston Aortic Symposium, “Benchto Model of Type B Aortic Dissections”, Houston, TX
5. Senior Resident Lectureship, Emory University School of Medicine, "Vascular II: Cerebrovascular Disease"
6. Grand Rounds “Integrated Residencies” Emory University School of Medicine
9. Senior Resident Lectureship, Emory University School of Medicine, Cerebrovascular Disease
13. Department of Interventional Radiology Grand Rounds, Emory University, “Management of Chronic Type B Aortic Dissections”
14. Global Endovascular Complications, Jackson Hole, WY, “Management of Chronic Type B Aortic Dissections”
21. Department of Radiology Grand Rounds, Emory University, “Radiologic Considerations During Endovascular Aortic Aneurysm Repair”
22. Global Endovascular Complications, Jackson Hole, WY “Failure of Pivotal Aneurysm with a Scent Graft”
23. Core Curriculum Lecture Series Emory University School of Medicine, “Peripheral Vascular Disease”
25. Division of Cardiothoracic Surgery, Emory University, “Endovascular Treatment of Thoracic Aneurysm”
26. 3M Student Lecture, Emory University School of Medicine, “Peripheral Vascular Disease”
27. Medical Students Saturday Lecture, Emory University School of Medicine, “Abdominal Aortic Aneurysm”
28. Society for Vascular Surgery Annual meeting “Mid-term Results of Neck-Related Adjunctive Therapies Utilized During Endovascular Repair of Infra-Renal Aortic Aneurysms”
32. Medical Student Lecture, Emory University School of Medicine, “Peripheral Vascular Disease”
33. Senior Resident Lectureship, Emory University School of Medicine, “Abdominal Aortic Aneurysm”
34. Grand Rounds “Abdominal Aortic Aneurysm” Emory University School of Medicine
35. Grand Rounds John Cochran VA Medical Center, St Louis, MO “Abdominal Aortic Aneurysm-Past, Present and Future.”
36. Vascular Surgery of India Annual conference, New Delhi, India “Advances in Thoracic Endografting”
37. Annual Meeting of the South Eastern College of Anticoagulation Providers, Nashville, TN “Post Thrombotic Syndrome”
39. Core Curriculum Lecture Series Emory University School of Medicine, Atlanta, GA “Thoracic Aortic Pathology”

MODERATOR OR PANEL PARTICIPANT

1. Peripheral Vascular Surgery Society, Steamboat, CO, Fellowship Course
3. Peripheral Vascular Surgery Society, Vail, CO, Complex Aortic Cases
6. Research Initiative Conference, Chicago, Stem Cell and Tissue Engineering Blood Vessels
7. Peripheral Vascular Surgery Society, Steamboat, CO, Complex aortic cases,

PEER-REVIEWED PUBLICATIONS


PRODUCTS AND PATENTS


EXAMINER

- Qualifying exam – Vascular Surgery Specialty Boards American Board of Surgery, Dallas, TX
- Southern Association of Vascular Surgery, Scottsdale, AZ Oral Examiner
- Southern Association of Vascular Surgery, Naples, FL Oral Examiner
- Emory University School of Medicine, Oral Exams for Medical Students
- Emory University School of Medicine, Oral Exams for Medical Students
MEMORANDUM

Date: September 18, 2017

TO: MUSC GMEC

FROM: Prabhaker Baliga, MD, Department of Surgery Chair

RE: Appointment of New Program Director to Surgical Critical Care Fellowship
    Name: Alicia Privette, MD
    Dept: Surgery

I would like to nominate, Alicia Privette, MD for the position of Fellowship Director for the surgical critical care training program. Dr. Privette will have authority and accountability for the operation of all components of the fellowship program. Dr. Privette has been selected to replace Dr. Stuart Leon who is stepping down from the position on November 1, 2017. Dr. Privette has served as Associate Program Director.

Dr. Privette is currently an assistant professor in the Dept. of Surgery. She is board certified in general surgery since 2011 and Surgical Critical Care since 2012 and holds an MUSC staff appointment. Her South Carolina Medical License Number is 23154. Enclosed is Dr. Privette’s curriculum vitae.

I am recommending Dr. Privette for this appointment to begin on November 1, 2017. I acknowledge that Dr. Privette will need to maintain board certification for the duration of her appointment as Program Director for a minimum of two years as defined by the surgery residency review committee.

I have reviewed the Program Requirements for the surgical critical care training program which are posted on the ACGME website, and can assure the GMEC that Dr. Privette can comply with all requirements.

The Department of Surgery will ensure that the Program Director has sufficient financial and administrative support and protected time for his educational and administrative responsibilities to the program.

I have discussed all the above with Dr. Privette. After approval by the GMEC, I understand the current program director needs to notify the ACGME electronically using their WebADS system.

Sincerely,

[Signature]

Dr. Prabhaker Baliga, MD
Chair, Department of Surgery

Cc: Alicia Privette, MD

Enclosure: CV
Alicia Renee Privette, MD

Curriculum Vitae

Contact Information
249 Slipper Shell Ct.
Mount Pleasant, SC 29464
801-633-8894 (H)
arprivette@gmail.com

Education
2001-2005
Doctor of Medicine (MD)
University of Utah School of Medicine
Salt Lake City, UT

1996-2001
Bachelor of Science, Biochemistry
University of Nevada, Reno
Reno, NV

Post-Graduate Training
2011-2013
Trauma & Critical Care Fellowship
University of California San Francisco/SFGH
San Francisco, CA

2005-2011
Intern and Resident, Department of Surgery
University of Vermont/Fletcher Allen Health Care
Burlington, VT

Employment
2013 - present
Assistant Professor of Surgery
Medical University of South Carolina

2011-2013
Trauma & Critical Care Fellow
University of California San Francisco/SFGH
San Francisco, CA

2005 - 2011
Resident Staff, Department of Surgery
University of Vermont/Fletcher Allen Health Care
Burlington, VT

2007-2008
Research Resident, Department of Surgery
University of Vermont/ Fletcher Allen Health Care
Board Certification
2012 - present  Surgical Critical Care, American Board of Surgery
2011 - present  General Surgery, American Board of Surgery

Professional Societies
2017  Western Trauma Association, Member Initiate
2016 - present  American College of Surgeons, Member
2015 - present  American College of Surgeons, Associate Fellow
2013 - present  Member, Eastern Association for the Surgery of Trauma
2005 - 2012  American College of Surgeons (Resident/Fellow Member)

Professional Development
2013  Advanced Trauma Life Support Instructor Certification
2012  Advanced Surgical Skills for Exposure in Trauma (ASSET) certification
2011  Advanced Trauma Life Support Certification
2009  Advanced Trauma Operative Management (ATOM) certification
2008  Certification, Fundamentals of Laparoscopic Surgery (FLS)
2007 - 2008  Certificate of Clinical and Translational Research, University of Vermont
2007  Participant, University of Vermont Surgical Mission to Milot, Haiti

Peer Review Board(s)
2008 - 2010  Archives of Surgery ( Resident Reviewer )

National Committee(s)
2016-present  Member, Social Media Section, Eastern Association for the Surgery of Trauma
2015 - 2016  Member, Social Media Ad Hoc Task Force, Eastern Association for the Surgery of Trauma
2015 - present  Member, Membership Recruitment/Retention Committee, Eastern Association for the Surgery of Trauma
Hospital Committee(s)

2016-2017  Acute, Critical & Trauma Shared IT Governance Committee
2015-present  Senator, College of Health Science, MUSC
2015-present  Member, Senate Faculty and Institutional Relationship Committee
2015  Member, Surgical VTE Prophylaxis Guideline Team - MUSC
2014 - 2015  Member, Advanced Practice Provider Taskforce - MUSC
2014 - present  Member, EPIC Super-User Committee - MUSC
2013 - 2014  Member, Comprehensive Unit-based Safety Program (CUSP) Committee, MUSC

Department/Division Leadership Activities

2017-present  Assistant Surgical Critical Care Fellowship Director
2016-present  Coordinator, General Surgery Resident Quality Improvement Research Project
2015-present  Evaluation coordinator, Resident Trauma/Acute Care Surgery Night Float rotation

Educational Activities (Fellow, Resident, Medical Students)

2017 - present  Joint Critical Care Fellowship Teaching Conference
2016-present  Coordinator, General Surgery Resident Quality Improvement Research Project
2016-present  Course Director, 4th year student Trauma/ACS Rotation
2015-present  New Intern Orientation Bootcamp
2015-present  Evaluation coordinator, Resident Trauma/Acute Care Surgery Night Float rotation
2015  Medical Student Small Group Instructor, Surgery
2014-present  Coordinator, Trauma/Acute Care Surgery Resident PI Teaching Conference
2014-2015  Medical Student Trauma Scenario Simulation Lab
2013-present  PGY-1 Resident Clinical Competency Committee
2013 - present  ATLS course instructor
2013 - present  Emergency Department/General Surgery Joint Trauma Conference
2013- present  Radiology Joint Trauma Conference
2013- present  Neurosurgery Joint Trauma Conference
2013-present  STICU Resident/Fellow Teaching Conference

**Honors & Awards**

**Residency:**

- **2009**  Third Place, Resident Paper Competition, New England Surgical Society
- **2008**  Second Place, Resident Paper Competition, American College of Surgeons – Vermont Chapter, Burlington, VT
- **2008**  Co-author, Barker Cancer Research Fund Grant, “Effects of Instituting a Multi-Disciplinary Clinic and Nurse Navigator System on the Efficacy and Quality of Health Care Delivery in the Treatment of Gastric Intestinal Cancer”
- **2007**  Second Place, Clinical Science Paper Award, ACS-COT Resident State Competition, University of Vermont
- **2006**  Third Place, Resident Paper Competition, New England Surgical Society
- **2006**  Intern of the Year, General Surgery, University of Vermont

**Medical School:**

- **2004 - 2005**  Dr. D. Keith Barnes Academic Scholarship
- **2003 - 2004**  Dr. D. Rees Jensen Academic Scholarship
- **2002 - 2004**  Regional Student Coordinator, American Medical Women’s Association
- **2001 - 2003**  Dr. Edward Klatt Academic Scholarship
- **2002 - 2003**  Head Manager, Fourth Street Homeless Clinic
- **2002**  Participant, UMED International Health Club Medical Mission in Kumasi, Ghana
- **2001- 2002**  Ronald Urry Academic Scholarship

**Undergraduate:**

- **2001**  Summa Cum Laude Graduate, University of Nevada Reno
- **2000 - 2001**  Speaker of the Senate, Student Government, UNR
1999 - 2001  Senator, College of Agriculture/Biochemistry/Natural Resources, University of Nevada Reno
1996 - 2001  Full Academic Scholarship, University of Nevada Reno
1996 - 2001  University of Nevada, Reno Honors Program

Grant(s) Awarded

Grant Applications Submitted
3. Eastern Association for the Surgery of Trauma Research Scholarship - 2015. “Effectiveness of screening and linkage to care of patients newly diagnosed with HIV and/or Hepatitis C among trauma activation patients at the Medical University of South Carolina”
4. Clinical Research Improvement Initiative (CRII) MUSC Internal Grant - 2015. “Effectiveness of screening and linkage to care of patients newly diagnosed with HIV and/or Hepatitis C among trauma activation patients at the Medical University of South Carolina”

Multi-Institutional Clinical Trials
1. Western Trauma Association Multicenter Trial. Characterizing Mortality Following Severe Traumatic Injury. 2017
2. Western Trauma Association Multicenter Trial. Natural history of splenic vascular abnormalities after blunt injury: A Western Trauma Association multicenter trial. 2016
3. AAST Pelvic Fracture Study Group. Pelvic Fracture Pattern Predicts the Need for Hemorrhage Control Intervention - Results of a AAST Multi-institutional Study. 2017

Paper(s)


**Book Chapters**


**Presentation(s)**


2. Eastern Association for the Surgery of Trauma (EAST) Annual Scientific Assembly. Paper Discussant: “The Rush to Pre-Hospital cervical spine clearance: are we at breakneck speed?” January 2018


**Poster(s)**


2. Campion EM, Privette AR, Kornblith LZ, Redick B, Howard BM, Crane JM, Moyer J, Evans A, Cohen MJ, Callcut RA. Effect of Operating Room Inefficiency on


Request for New Training Program

Program Name: Transplant Hepatology

Program Director: Ira Willner MD

Program Coordinator: Cynthia Peeples MD

Department Chair: Don Rockey MD

Specialty Program Director (if applicable): Ira Willner MD

Requested Effective Date: July 1 2018

[Signatures and dates]

Requests to form a new training program need review and approval by:

1) MUSC GMEC
2) ACGME/RRC

No resident or fellow should be hired or promised a position until there has been approval by each group noted above.

Please address all the questions/requirements on the next page in your request (This information is in addition to the WEBADS application for new programs). Send completed requests to E. Benjamin Clyburn, MD (c/o GME Office, room 202 MUH, MSC 333) at least two weeks prior to the GMEC meeting date where you would like this item considered.
Request for New Training Program

Rationale, Impact and Financing for New Program

1. Why are you asking for a new program? (Aligning with hospital strategic planning, changes in ACGME structure, etc...) Transplant and hepatology in particular are strategic goals of the institution. We are hoping to be able to retain as faculty fellows interested in this field rather than have them go to other institutions.

2. When is your anticipated start date? July 2018

3. What are the anticipated effects of your proposed program on other training programs at MUSC? None since at the current time we propose to use the pilot program which will allow us to train fellows during their GI fellowship training

4. If your RRC or American Board have requirements for a certain number of rotations, clinical experience, number of producers, cases, etc., will there be adequate experiences to meet RRC and Board requirements? Yes minimal of 20 transplants followed per fellow currently we average 70 adult liver transplants a year

5. Is there an adequate number of faculty for supervision of clinical activities?
   - Please provide a list of faculty and proposed schedule for supervision of trainees.
     - Ira Willner MD
     - Heather Simpson MD
     - David Koch MD
     - Don Rockey MD
     - W Kin-Syn MD

6. Assuming approval, what will the program look like for each year of training?
   - Include a block diagram by PGY year, for a model resident/fellow.
     - Liver one 5 months
     - Liver two 5 months
     - Research 2 months

7. How will the program maintain an adequate balance of service vs. education?
   
   We have mid-levels and transplant coordinators to help in this endeavor and the rotations will be similar

8. How will the program meet the duty hours for each program year?
   - Please provide a copy of the schedule demonstrating compliance.
9. Are outside training sites needed to accommodate the educational needs of the trainees? If so:
   - List the additional sites and the educational rationale for each.
   - You will be required to provide completed Affiliation Agreements prior to the start of the rotation.

10. How will additional positions be financed?
   - [ ] departmental financing
   - [x] hospital financing
   - [ ] other
   - **Please provide documentation via a letter from the chair indicating support.
   - *If MUHA support is being requested, please complete the appropriate documentation to be submitted to and reviewed by the GME Strategic Manpower Committee prior to coming to GMEC and include a copy of their approval letter.

http://academicdepartments.musc.edu/gme/director_coordinator/internal/gme-strategic-manpower.html

Letter attached

11. Is there adequate space and resources (offices, desks, computers, labs, etc...) to accommodate the program?
   - Please provide a summary of necessary resources. No additional resources at this time
   - No additional resources necessary

12. Is there adequate administrative support for the program and program director? Please describe departmental support for the program director and the training program. 10% time

13. How will the program meet the requirements for Scholarly Activity as defined by the ACGME?
   - Please provide a summary of faculty research activities.
   - Same as for GI
   - Don Rockey basic research if fibrosis and outcomes research in GI and Liver disease
   - Wing Kin-Syn basic research in NASH and clinical research in NASH outcomes
   - Ira Willner outcomes research in transplant and viral hepatitis
   - David Koch Acute Liver Failure Porto pulmonary hypertension Outcomes research in NASH
   - Heather Simpson Outcomes research in liver transplantation and HCC

Form approved by GMEC: 11/2008, updated 8/2015

   - Please describe how adequate research opportunities will be provided to trainees. All faculty have active research interests which range from basic to clinical activities. Trainee will have 2 months of protected time for research

14. How will the educational goals of the program be met?
   - Please provide a copy of the educational goals and objectives.
   - Please provide a copy of the proposed conference schedule and topics covered.

13. Scope of Practice information
   - Please use the template found on the GME website
(http://academicdepartments.musc.edu/gmehandbook/appendix4/index.htm) to complete a scope of practice for each PGY level.

Same as for Gastroenterology fellowship

Once GMEC has approved the program, you will be required to send a block diagram via electronic PDF to the GME Office. In addition, a brief education rationale for each affiliated site will be needed. This information will be used to initiate the application within WEBADS. If you have any questions, please contact Ann Ronayne in the GME Office (2-8681 or Ronayne@musc.edu).

Form approved by GMEC: 11/2008, updated 8/2015
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HEPATOLOGY FELLOWSHIP PGY7 OR PILOT PROGRAM

Educational Goals:

The goal of the Fellowship Program in Hepatology Fellowship is to train individuals to become independent practitioners in the field of Hepatology. It is hoped that by the end of training fellows will be able to act as a consultant in the cognitive as well as the procedural skills required of a consultant in Transplant Hepatology. Our hope is that our trainees will become the next generation of leaders in academic Hepatology. The training program at the Medical University of South Carolina is generally divided in two main phases. The training lasts for one year. Fellows have ten months of clinical training in Hepatology in both the outpatient and inpatient arenas. Fellows have two months each year dedicated to research in which they are expected to participate in some form of scholarly activity under the supervision of a faculty member.

The fellowship training program follows the guidelines for training in Hepatology as outlined by the ACGME. In addition, we follow the policies and procedures set out for the department of medicine training programs and MUSC. Persons enter the fellowship after completing an ACGME accredited training program in Internal Medicine and Gastroenterology. Fellows are evaluated on a regular basis after each rotation as well as on a semi-annual basis by the Program Director. Evaluations from other members of the health care team are also solicited.

Educational Objectives:

Patient Care:

Fellows will be exposed to a broad range of patients with liver disease. They will also be exposed to a broad range of consultative patients as well. The scope of patients will range from General Hepatology and Transplant Hepatology both pre and post-transplant patients.

By the completion of Fellowship, it is expected that the fellows will be able to act independently as a consultant and practitioner in Hepatology.

By the end of Fellowship, it is expected that the fellows will be competent in procedures related to Hepatology and that they are able to perform these procedures independently. The fellow will also know the limitations and exclusions to these procedures as well.

As in keeping with the training guidelines supported by various organizations (ASGE, AGA, etc.), competency is something that is acquired after demonstrating ability and not after a set number of procedures.

All of these experiences will be under the direct supervision of an attending faculty member.
Medical Knowledge:

It is expected that fellows will gain an understanding of the pathophysiology and management of patients with liver disorders.

They will gain experience in the use of/performance of and limitations of/exclusions to gastrointestinal procedures.

In addition, the trainee will gain experience in the performance and interpretation of liver biopsies.

The fellow will have experience in the interpretation of imaging and studies as it relates to liver disease.

Practice-based Learning and Improvement:

At the completion of the fellowship, the fellow will be able to:
- Track over time the results of interventions performed by the fellow.
- Teach students, residents as well as other colleagues.
- Present patients for discussion during rounds and seminars with appropriate references to support planned intervention.
- Describe the role of study design and the use/misuse of analysis in reviews in this area.
- Use information systems to obtain pertinent information about the patient.
- Use information technology to manage and provide patient-related information.

Interpersonal Communication Skills:

At the completion of the fellowship, the fellow will be able to:
- Create and sustain a therapeutic and sound relationship with patients and families.
- Listen effectively.
- Be able to communicate effectively information to referring physicians and other members of the healthcare teams.
- Inform patients using verbal, nonverbal, explanatory, questioning and writing techniques.
- Work effectively with other members of the healthcare team.

Professionalism:

At the completion of the fellowship, the fellow will be able to:
- Demonstrate respect, compassion and integrity.
- Respond to the needs of patients and demonstrate accountability to patients, families and society.
- Demonstrate commitment to excellence and ongoing professional development.
- Demonstrate commitment to ethical principles related to the field and maintain confidentiality of patient information.
- Obtain informed consent for all procedures.
- Be sensitive to cultural, age, gender and other beliefs of patients and families.

**Systems-based practice:**

At the completion of fellowship, the fellow will be able to:
- Describe critical factors for decision making in Hepatology – risk reward ratio and morbidity and mortality.
- Identify system error and help to develop ways to improve.
- Describe the role of a tertiary referral center in the management of Hepatology disorders.
- Practice cost effective healthcare and resource allocation.
- Direct patients and their families to individuals who can help them with issues.
- Practice as part of a healthcare team and part of a multidisciplinary team.
- Apply decision making in analyzing complex situation to arrive at a therapeutic plan.

**Duties and responsibilities:**

Participate in the inpatient and consultative services including supervising and teaching residents and medical students on that service.

Participate in procedures.

Attend other conferences as per the General Gastroenterology Fellowship:
- Weekly case conference.
- Weekly core curriculum.
- Weekly research conference.
- Monthly journal club.
- Monthly morbidity conference.

In addition to the General Gastroenterology Fellowship conferences, specific Liver Transplant meetings are:
- Liver transplant conference – weekly selected talks in Hepatology and Transplant including journal review specific to Hepatology and Transplant.
- Liver transplant selection committee – weekly.
- Liver tumor board – weekly.
- Liver pathology review – weekly.
- Quality and outcomes meeting of the transplant section – monthly.

Participate in a meaningful scholarly activity by the end of fellowship.
- Present this activity in some form.
- Meet with a research mentor at the beginning of the fellowship to plan projects.

Reading as recommended below including:
- DDSEP used for core curriculum.
- Slessinger and Fordtran Gastrointestinal and Liver Disease.
- Yamada Textbook of Gastroenterology.
- Schiff's Diseases of the Liver.
- Zakim and Boyer The Liver.
LIVER 1 AND LIVER 2 TRANSPLANTATION ROTATION

Liver 1 will focus on the inpatient service and consultations. In addition, they will attend outpatient liver clinics as available.

Liver 2 will focus on outpatient Hepatology.

On both rotations, expectations and attendance at conferences and meetings as described below.

Educational Goals:

At the completion of this rotation the fellow will gain exposure to patients with liver disease and those awaiting liver transplantation and those that have already undergone liver transplantation.

Educational Objectives:

Patient Care:

Fellows will be exposed to a broad range of patients with liver disease.

Fellows will also be exposed to the management of patients after liver transplantation.

Fellows will gain experience in the management of patients with viral hepatitis and the treatment thereof. In addition, they will gain experience in the management of other liver disorders.

They will gain experience in the use of and performance of and limitations of and exclusions to endoscopy and liver biopsy and how it pertains to these patients. In addition, the fellow will gain experience in the performance and interpretation of liver biopsies. It is expected that during this rotation the fellow will gain experience in the endoscopic management of variceal hemorrhage.

Fellows will be exposed to both inpatient and consultative experiences on the Liver Service.

In addition, they will participate in outpatient experiences in the liver clinic and the transplant clinic.

Fellows will also have the opportunity to attend a bi-weekly liver tumor board where a multi-disciplinary team discusses patients with liver masses both benign and malignant.
Attend liver transplant selection committee where patients are discussed in a multi-disciplinary team approach and how it applies to their ability to be listed for liver transplantation and their management in the peri and post-operative period.

All these experiences will be under the direct supervision of an attending faculty member.

**Medical Knowledge:**

It is expected that fellows will gain an understanding of the pathophysiology and management of patients with a wide variety of liver diseases.

It is expected that the fellow will gain experience in the management of these patients specifically in the management of patients with ascites, encephalopathy, variceal bleeding and those awaiting liver transplantation.

They will gain experience in the use of and performance of and limitations of and exclusions to endoscopy and liver biopsy and how it pertains to these patients.

In addition, the fellow will gain experience in the performance and interpretation of liver biopsies, it is expected that during this rotation the fellow will gain experience in the endoscopic management of variceal hemorrhage.

The fellow will also have experience in performance of upper and lower endoscopy.

The fellow will have experience in the interpretation of imaging studies as it relates to liver disease.

**Practice-based Learning and Improvement:**

At the completion of the rotation the fellow will be able to:
- Track over time the results of interventions performed by the fellow.
- Teach students, residents, as well as other colleagues.
- Present patients for discussion during rounds and seminars with appropriate references to support planned intervention.
- Describe the role of study design and the use/misuse of analysis in reviews in this area.
- Use information systems to obtain pertinent information about the patient.
- Use information technology to manage and provide patient-related information.

**Interpersonal Communication Skills:**

At the completion of this rotation, the fellow will be able to:
- Create and sustain a therapeutic and sound relationship with patients and families.
- Listen Effectively.
- Be able to communicate effectively information to referring physicians and healthcare teams.
- Inform patients using verbal, nonverbal, explanatory, questioning and writing techniques.
- Work effectively with other members of the healthcare team including members of the transplant team and at liver tumor board.

**Professionalism:**

At the completion of this rotation, the resident will be able to:
- Demonstrate respect, compassion and integrity.
- Respond to the needs of patients and demonstrate accountability to patients, families and society.
- Demonstrate commitment to excellence and on-going professional development.
- Demonstrate commitment to ethical principles related to the field.
- Maintain confidentiality of patient information.
- Obtain informed consent for all procedures.
- Be sensitive to cultural, age, gender, and other beliefs of patients and families.

**Systems-based practice:**

At the completion of this rotation the fellow will be able to:
- Describe critical factors for decision making in Hepatology.
- Risk reward ratio.
- Morbidity and mortality.
- Describe the role of a tertiary referral center in the management of Hepatology disorders.
- Practice cost effect health care and resource allocation.
- Direct patients and their families to individuals who can help them with issues.
- Practice as part of a healthcare team and part of a multidisciplinary team.
- Apply decision making in analyzing complex situation to arrive at a therapeutic plan.

**Duties and responsibilities:**

Participate in the inpatient and consultative liver service including supervising and teaching residents and medical students on that service.

Participate in liver biopsies and other procedures performed by the Liver Service.

Attend liver transplant selection committee.

Attend liver biopsy review sessions.

Attend liver tumor board.

Attend outpatient clinics in the Liver Service.
Weekly transplant conference selected topics

Introduction to transplant
Immunology of transplant part 1
Immunology of transplant part 2
Evaluation of the transplant patient
Donor selection
Living Donor Liver transplantation
Pediatric Transplantation
Kidney Transplantation and Combined Liver Kidney transplantation
Approach to renal impairment post-transplant
Immunosuppressive medications
Long term care of the transplant patient
Hepatitis C – current treatment approaches
Hepatitis B – current treatment approaches
Portal Hypertension pathophysiology and treatment
Metabolic liver diseases
Cholestatic Liver disease - pathophysiology and treatment
Over view of hepatic pathology
Over view of transplant pathology
HCC management and transplant
Imaging in liver disease and transplant
Approach to the patient with addiction
The role of the social worker in transplant
Frailty and outcome in transplant
Non-cirrhotic portal hypertension
UNOS guidelines and listing guidelines
July 31st, 2017

Ira Willner, MD
Director, Gastroenterology and Hepatology Fellowship

RE: Transplant Hepatology Fellowship

Dear Dr. Willner,

The GME Strategic Manpower Committee met Wednesday, July 26th, 2017, to review your request. The following decision was made by the Committee:

- The Committee approved additional funding for the addition of a transplant hepatology fellowship at MUSC. It is the Committee’s understanding that this fellowship can be offered during the third year of GI fellowship training, and therefore requires no additional expenses beyond the ACGME application fee in the first year and the ACGME annual fee in subsequent years.

Please let do not hesitate to contact us with any questions or concerns.

Sincerely,

[Signature]

Daniel A. Handel, MD, MBA, MPH
Chief Medical Officer
MUSC Medical Center

CC: Prabhakar Baliga, MD
    Jamie Meyer
    Amy Hauser
    Matt Wain
    Ben Clyburn, MD
    Beth Jones
    Butler Stoufsmire

    Don Rockey, MD
    Georgia Bragdon
    Derek Dubay, MD
    Gla Ramsgy
    Sarah Back
    Lisa Goodlett
ACGME Institutional Requirements

I.B.5. The GMEC must demonstrate effective oversight of the Sponsoring Institution’s accreditation through an Annual Institutional Review (AIR). (Outcome)

I.B.5.a) The GMEC must identify Institutional performance Indicators for the AIR, which include: (Core)

I.B.5.a).1) results of the most recent institutional self-study visit; (Detail)

I.B.5.a).2) results of ACGME surveys of residents/fellows and core faculty members; and, (Detail)

I.B.5.a).3) notification of each of its ACGME-accredited programs’ accreditation statuses and self-study visits. (Detail)

I.B.5.b) The AIR must include monitoring procedures for action plans resulting from the review. (Core)

I.B.5.c) The DIO must submit a written annual executive summary of the AIR to the Governing Body. (Core)
The Accelerated Pathways Program

- We are in the final month of the College of Medicine pilot of the Accelerated Pathways Program.
- One 4th year student will be transitioning to internship next month.
- As the next step in planning, we are holding a meeting with chairs and residency program directors in order to accomplish the following:
  - Discuss the outcome data of our pilot and data from other schools
  - Develop a collaborative plan with residency programs at MUSC for additional accelerated pathways.
- All Residency Directors/Chairs have received an email (yesterday) inviting you to attend one of the following meetings
  - OCT 25 (WED) 5:00 pm – 6:30 pm (dinner served)
  - NOV 1 (WED) 11:30 am – 1:00 pm (lunch served)

If you have not responded yet, we look forward to hearing from you.
9/19/2017

Christian J Streck, MD
Program Director
Medical University of South Carolina
96 Jonathan Lucas, POBox 250813
Charleston, SC 29425

Dear Dr. Streck,

The Review Committee for Surgery, functioning in accordance with the policies and procedures of the Accreditation Council for Graduate Medical Education (ACGME), has reviewed the information submitted regarding the following program:

Surgery

Medical University of South Carolina Program
Medical University of South Carolina College of Medicine
Charleston, SC

Program 4404521315

OTHER COMMENTS

Please allow this letter to acknowledge the request, dated August 31, 2017, to add Roper Hospital, Inc. (457002) as a participating site.

This office must be notified of any major changes in the organization of the program. When corresponding with this office, please identify the program by name and number as indicated above. Changes in participating sites and changes in leadership must be reported to the Review Committee using the ACGME Accreditation Data System.
9/7/2017

Lee R Leddy, MD
Program Director, Orthopaedic Surgery
Medical University of South Carolina
96 Jonathan Lucas St, CSB 708
MSC 622
Charleston, SC 29425

Dear Dr. Leddy,

The Residency Review Committee for Orthopaedic Surgery, functioning in accordance with the policies and procedures of the Accreditation Council for Graduate Medical Education (ACGME), has reviewed the information submitted regarding the following program:

Orthopaedic surgery

Medical University of South Carolina Program
Medical University of South Carolina College of Medicine
Charleston, SC

Program 2604521052

OTHER COMMENTS

On review of the pilot program entitled Accelerated Curriculum and Focused Orthopaedic Residency (ACFOR), the Committee noted the following.

The program is planned for up to two students per year to complete the MD degree requirements after a minimum of 134 weeks (end of October) followed by 8 months of a rotating surgical internship and then entry as a PGY1 into the MUSC Orthopaedic Surgery Residency program on July 1. Those residents will complete a 5-year residency program identical to that for all other residents but with an opportunity to pursue early specialization in place of a post-residency fellowship. During the 8-month "transitional internship", residents will complete 4 months of orthopaedic rotations and one month each of plastic surgery, SICU, anesthesiology, and rheumatology. These residents will be considered orthopaedic surgery residents and a temporary increase in complement would be needed for the eight-month period. The number of graduating residents per year will not change. The intent is to optimize undergraduate medical education in order to produce a graduating student that is adequately prepared for transitioning to a residency program. No waiver to any program requirements is requested or needed.

Following discussion, the Committee requested additional information on the following:
• Please provide a rotation schedule for the ACFOR residents that demonstrates how they will meet the requirements for 6 months of orthopedic rotations and 6 months of non-orthopaedic rotations.
• Please provide a proposed rotation schedule for July 1, 2018-June 30, 2019 PGY1 residents that shows ACFOR residents compared with non-ACFOR residents. Please address all anticipated issues related to potential differences in supervision needs and social issues that may arise due to perceived differences in preparation or 'special treatment' among residents and/or faculty during this period.
• How will the change in status from PGY1 to PGY2, PGY2 to PGY3, etc. be handled for ACFOR residents versus non-ACFOR residents?
• Please provide a copy of the referenced ABOS approval letter.
• While the program indicated that licensure would not be an issue, the Committee requested a description of the process that will be used to ensure that students will be licensed on or soon after entry into the transitional internship.

Materials received by November 9, 2017 will be reviewed at the January 2018 RC meeting. Should the proposal be acceptable, a plan to address the need for temporary increase requests must be developed.

This office must be notified of any major changes in the organization of the program. When corresponding with this office, please identify the program by name and number as indicated above. Changes in participating sites and changes in leadership must be reported to the Review Committee using the ACGME Accreditation Data System.

Sincerely,

Pamela L. Derstine

Pamela Derstine, PhD, MHPE
Executive Director
Residency Review Committee for Orthopaedic Surgery
312.755.5083
pderstine@acgme.org

CC:
Ernest B. Clyburn, MD

Participating Site(s):
Medical University of South Carolina College of Medicine
MUSC Health East Cooper
MUSC Medical Center
MUSC Specialty Care West Ashley
Ralph H Johnson VA Medical Center (Charleston)
10/6/2017

Jacob G Robison, MD
Director, Vascular Surgery Integrated Residency Program
Medical University Hospital
96 Jonathan Lucas Street
MSC 613
Charleston, SC 29425-2950

Dear Dr. Robison,

The Review Committee for Surgery, functioning in accordance with the policies and procedures of the Accreditation Council for Graduate Medical Education (ACGME), has reviewed the information submitted regarding the following program:

Vascular surgery - integrated

Medical University of South Carolina Program
Medical University of South Carolina College of Medicine
Charleston, SC

Program 4514531010

OTHER COMMENTS

The Executive Committee of the Surgery Review Committee acknowledges the program’s request, dated September 19, 2017, for review and consideration of the qualifications of Dr. Matt Wooster. Upon review, the Executive Committee determined the qualifications of Dr. Wooster to be acceptable as supervising faculty in the program. The Committee has noted that Dr. Wooster is American Board of Surgery eligible with the expectation for Dr. Wooster to be Board certified by the end of 2017.

This office must be notified of any major changes in the organization of the program. When corresponding with this office, please identify the program by name and number as indicated above. Changes in participating sites and changes in leadership must be reported to the Review Committee using the ACGME Accreditation Data System.
10/6/2017

Christian J Strack, MD
Program Director
Medical University of South Carolina
96 Jonathan Lucas, PO Box 250813
Charleston, SC 29425

Dear Dr. Strack,

The Review Committee for Surgery, functioning in accordance with the policies and procedures of the Accreditation Council for Graduate Medical Education (ACGME), has reviewed the information submitted regarding the following program:

Surgery

Medical University of South Carolina Program
Medical University of South Carolina College of Medicine
Charleston, SC

Program 4404521315

OTHER COMMENTS

The Executive Committee of the Surgery Review Committee acknowledges the program’s request, dated September 18, 2017, for review and consideration of the qualifications of Dr. Mahsa Javid for teaching faculty in the program.

Upon review, the Executive Committee determined the qualifications of Dr. Javid to be acceptable, as core faculty in the program.

This office must be notified of any major changes in the organization of the program. When corresponding with this office, please identify the program by name and number as indicated above. Changes in participating sites and changes in leadership must be reported to the Review Committee using the ACGME Accreditation Data System.
Dear Dr. Wright,

The Review Committee for Psychiatry, functioning in accordance with the policies and procedures of the Accreditation Council for Graduate Medical Education (ACGME), has reviewed the information submitted regarding the following program:

Addiction psychiatry

Medical University of South Carolina Program
Medical University of South Carolina College of Medicine
Charleston, SC

Program 4014521014

Temporary increase approved for 1 resident(s) 07/01/2019 - 09/30/2019

OTHER COMMENTS

The Review Committee has approved your request for a temporary increase in resident complement from 3 to 4 effective July 1, 2019.

This office must be notified of any major changes in the organization of the program. When corresponding with this office, please identify the program by name and number as indicated above. Changes in participating sites and changes in leadership must be reported to the Review Committee using the ACGME Accreditation Data System.
**Program Name:** Rheumatology

<table>
<thead>
<tr>
<th>Attrition</th>
<th>Scholarly Activity</th>
<th>Board Pass Rate</th>
<th>Resident Survey</th>
<th>Faculty Survey</th>
<th>Omission</th>
<th>Subspecialties</th>
<th>Misc Indicators</th>
<th>Action Plan</th>
<th>QI/Patient Safety</th>
<th>GME Stewardship</th>
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**Overall Attrition**
- PD Change
- Faculty Attrition
- Resident Attrition
- Permanent Complement Changes

**Resident Survey**
- 100% completed
- Duty Hours
- Faculty
- Educational Content
- Evaluation
- Resources
- Patient Safety/Teamwork

**Faculty Survey**
- 75% completed
- Supervision & Teaching
- Educational Content
- Resources
- Patient Safety
- Teamwork

**Data Omission**
- Failure to complete WEBADS annual update (on time)
- Failure to turn in APE materials

**Scholarly Activity**
- Faculty
- Resident

**Involvement in QI/Pt Saf Projects**
- GME Stewardship

**Number of subspecialties with 3 or more indicators flagged**
- N/A
Program Name: Rheumatology

Looks like a very strong program. No red flags

Faculty list needs to be alpha by site (all site 1s listed together, then list site 2 folks)
Good SA for faculty and fellows
We don't understand the PGY of the current fellows
Second year fellows started in 2014, 2016, and 2013? OK the 2013 starter (Silver) is on a weird combined pathway and completed last month?
100% of your fellows use the EMR to improve the health in a population of patients? Just double checking this is accurate

Last year's action plan had soft/fuzzy endpoints. Not easily measurable
This year's action plan has good projects, but need to have measurable targets
Suggested improved goals/Expected outcomes:
Item one – We will achieve at least a 10 percentage point improvement on ITE scores in the area of immunology and basic science
Item two – We will collect evaluations/feedback from 100% of faculty and fellows regarding well-being and burn-out by January 1

It is noted that the coordinator has been the PC representative to the GMEC for a few years. Excellent involvement in institution-wide GME
**Program Name:** Developmental Behavioral Pediatrics

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<th>Resident Survey</th>
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**Overall Attrition**

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**Faculty Survey**

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**Data Omission**

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**Action Plan**

**Board Pass Rate**

**Involvement in QI/Pt Saf Projects**

**GME Stewardship**

Page 1 of 2
APE
Computer modules are also used to train on effective teaching methods

WEDADS
Not sure when the new chair Dr Atz was announced but I think it is a major change
MUSC site has parking within five minutes of facility
Faculty disciplines are all listed as 0? We do have those specialists here at MUSC available for consult?
CVs need some attention – state that only 10 review articles, chapters and or textbooks should be included and there are more for Drs. Macias, Kral, Bradley, Schlenz

Surveys
Too few residents to get survey
Faculty
Good but there is a downward trend in educational content – worked on scholarly project with resident/fellow (below national mean)
Outcome achievement of graduating residents/fellows

Action Plan
Were the fellows research projects published?

New plan
Good with measurable outcomes.
Program Name: Hematopathology

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GME Stewardship
Program Name: Hematopathology

No current fellow as did not fill slot therefore APE is limited

Excellent board pass and take rate

Dr. Lazarchick's licensure data is out of date
Strong faculty SA
The GME Grievance policy doesn't really deal with complaints or issues that the fellow may raise. You may want to revise your answer to Q Grievance Procedure
Q19 100% of your fellows use the EMR to improve the health in certain populations? Just confirming this is accurate

Action Plan - the issue of not having a fellow for 16-17 is addressed, but the plan of action and outcome are for turnaround times. As there is a fellow for 17-18, it appears to have been fulfilled

No other comments as APE is so limited
### Program Name: Cytopathology

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### Action Plan

- **Overall Attraction**
  - **PD Change**
  - **Faculty Attrition**
  - **Resident Attrition**
  - **Permanent Complement Changes**

- **Board Pass Rate**
  - **Supervision & Teaching**
  - **Educational Content**
  - **Resources**
  - **Patient Safety**
  - **Teamwork**

- **Involvement in QI/Pt Saf Projects**

- **GME Stewardship**

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Page 1 of 2
Program Name: Cytopathology

Noted that the PD recently changed

Excellent Board Scores
Noted that no trainees evaluated the faculty this year and it has been updated to include this in the coming years. This is an ACGME requirement

Excellent scholarly activity
Surely your fellows give teaching presentations and would have some scholarly activity?
The last question - Q22 - you can add more; the answer you give in your APE form is excellent and could be replicated here

Action Plan is good, with good traction on the issue from last year, and a good plan for this year
Program Name: Geriatric Psychiatry

APE
One fellow last year, no fellows this year/lack of national interest
You must have summaries of your 6 month evals in a file which the resident can access
Didactics are a part of our education of effective teaching methods
Board pass rate 100%. 85% percent take the exam which is above the required 80%
The program must have formal criteria to do hand offs
100% of the core faculty must be involved in faculty development
Not involved in health care disparities
Trainees’ survey notes weakness in CBRI rotation
No weakness noted in faculty survey

WEBADS
One faculty member does not have any scholarly activity—has he/she done any didactics? (However, ACGME requirement is that they must participate in scholarly activities appropriate to the subspecialty, including local, regional, and national specialty societies, research, presentations, or publications., doesn't req leadership) Otherwise, good scholarly activity
Resources—faculty contracts include incremental time for teaching while on rotation
Must get more timely return on evaluations (within two weeks - 80-100%), Could be addressed in Action Plan

SURVEYS
Fellows: some concerns about confidentiality of faculty and program evaluations, not provided practice data

ACTION PLAN
Appropriate. PD is addressing recruitment, evaluations, 6 mon eval documentation. They will be addressing lack of clinical data feedback by having the fellows collect data

PD met with EPIC who could not create meaningful reports
Medical University of South Carolina - Oct. 6, 2017
Duty Hours Violations report (80 Hours Per Week - Averaged Over A Four-Week Period)
Reporting Period: 07/01/2017 through 06/30/2018 (365 days)

Maximum hours: 320 hours in 28 days (4 week)

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