Annual Research Productivity Report

TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER
EL PASO
Paul L. Foster School of Medicine
Department of Internal Medicine

Department of Internal Medicine
FY 2017
1 September 2016 – 31 August 2017

Prepared by: Sean M. Connery & Karina Espino
Dear Friends—

I am very pleased to bring to you the annual Internal Medicine departmental research productivity report for FY17. The Department had another banner year with 107 peer reviewed publications, several textbooks chapters and number of regional and national presentations. Let me take this opportunity to congratulate our faculty, residents and fellows who despite an extremely busy clinical workload continue to excel in other academic endeavors namely teaching and research. I would also like to thank Dr. Jerzy Sarosiek for his tireless efforts to promote research amongst our faculty, residents and medical students and being a resource to them.

I am happy to note that the scholarly productivity of the house staff has increased substantially this year and reflect their commitment, enthusiasm and also mentoring/guidance by our program directors. Our faculty received research funding from both public and private sources and the clinical research enterprise continues to grow under the stewardship of Mr. Sean Connery.

I hope next year Internal Medicine will be even more productive, and each and every one of us will need to put in the effort to make this possible.

Finally, I wish all of you a fun and productive fall!

Debabrata

Debabrata Mukherjee, MD, MS
Chair, Department of Internal Medicine
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## FACULTY PEER REVIEW/PUBMED PUBLICATIONS

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## RESIDENT & FELLOW RESEARCH ACTIVITY (PGY 1-6)

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## OPEN, ACTIVE RESEARCH

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PMED Publications  TTUHSC El Paso Dept of Internal Medicine 2016-2017*

IM Faculty Member
*Citation format – Uniform requirements for manuscripts submitted to biomedical journals: International Committee of Medical Journal Editors

PUBMED PEER REVIEW PUBLICATIONS
JOURNAL ARTICLES, ORIGINAL INVESTIGATIONS


REVIEW - META ANALYSIS


8) Gosavi S, Tyroch AH, Mukherjee D. *Cardiac Trauma.* Angiology. 2016 Nov;67(10):896-901. PMID: 26802100


23) Whayne TF, Saha SP, **Mukherjee D**. *Antioxidants in the Practice of Medicine; What Should the Clinician Know?* Cardiovasc Hematol Disord Drug Targets. 2016;16(1):13-20. PMID: 27296476

**CASE REPORTS**


20. Varela D, Tran D, Ngamdu KS, Trullender B, Mukherjee D, Abbas A. 
   **Rumpel-Leede phenomenon presenting as a hypertensive urgency.** 
   Proc (Bayl Univ Med Cent). 2016 Apr;29(2):200-1. PMID: 27034570

**LETTER TO THE EDITOR/EDITORIALS/COMMENT**

1. Bashashati M, Sarosiek I, Siddiqui T, McCallum RW. 
   **Adverse Effects of Domperidone: Prolonged Quest for Knowledge?** 
   Dig Dis Sci. 2016 Dec;61(12):3384-3386. PMID: 27714509

2. Eagle KA, Mukherjee D. 
   **Prior Coronary Revascularization and Risk of Noncardiac Surgery.** 

3. Jia Y, McCallum RW. 
   **Jackhammer Esophagus Based on the New Chicago Classification.** 
   J Clin Gastroenterol. 2017 Jan;51(1):88. PMID: 27661972

4. Lange RA, Brickner ME. 
   **Improving Survival in Patients With Eisenmenger Syndrome: Are We Any Closer?** 
   Circulation. 2017 Apr 11;135(15):1441-1443. PMID: 28396379

5. Moraveji S, Tonk V, Gaur S, Torabi A. 
   **Langerhans cell histiocytosis and diffuse large B-cell lymphoma with tetrasomy of PBX1 gene and t(14;19): two entities in one lymph node.** 
   Pathology. 2016 Dec;48(7):728-731. PMID: 27788921

6. Motivala AA, Parikh V, Roe M, Dai D, Abbott JD, Prasad A, Mukherjee D. 
   **Reply: Effect of Pre-Procedural β-Blocker in Patients Undergoing Percutaneous Coronary Intervention.** 

7. Mukherjee D. 
   **Device Thrombosis with Bioresorbable Scaffolds.** 

8. Mukherjee D. 
   **Traditional NSAIDs and coxibs: is one better than the other?** 

9. Mukherjee D, Eagle KA. 
   **Pharmacotherapy: Current role of β-blockers after MI in patients without HF.** 
   Nat Rev Cardiol. 2016 Dec;13(12):699-700. PMID: 27786237

10. Mukherjee D, Ojha C. 
    **Obesity Paradox in Contemporary Cardiology Practice.** 

11. Mukherjee D, Whayne TF. 
    **Editorial (Thematic Issue: Sex, Environment, Physical Activity, Diet, and Obesity in Cardiovascular Disease Risk).** 

**BOOKS/BOOK CHAPTERS**


**MULTIMEDIA**


Abstracts


testing with insulin pump therapy plus continuous glucose monitoring in patients with gastroparesis due to poorly controlled diabetes: Relation to gastric myoelectrical activity. Gastroenterol. 152(5 Suppl 1), S122.


JOURNAL ARTICLES, ORIGINAL INVESTIGATIONS


Review/META Analysis


9) Gosavi S, Tyroch AH, Mukherjee D. Cardiac Trauma. Angiology. 2016 Nov;67(10):896-901. PMID: 26802100


Case Reports/Studies


**Letters to the Editor/Editorial**


**Abstracts**


OPEN, ACTIVE, ONGOING RESEARCH

Investigator Initiated Research Studies

GRANT FUNDED FY17


FY17  $382,500
FY18  $378,366
FY19  $374,151
FY20  $369,887
FY21  $365,627

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$1,870,531

Pathway Exploration and Analysis in Renal Lupus (PEARL) - Accelerating Medicines Partnership (AMP) – PI: F. Payan-Schober, MD. Public-private partnership between the National Institutes of Health (NIH), the U.S. Food and Drug Administration (FDA), 10 biopharmaceutical companies and multiple non-profit organizations. NIH - National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) and the National Institute of Allergy and Infectious Diseases (NIAID).

Start Up Phase July 2015 – Dec 2015 $9,333
Phase 0 Dec 2015 – May 2016 $12,401
Phase 1 Jan 2016- Aug 2016 $29,535
Phase 2 June 2017 – Current $30,543

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Total $81,812

Department of Internal Medicine Pilot Small Projects Funded - Cycle 6, 7, 8, 9

• Evaluation of the vagus nerve function in adult patients with cyclic vomiting syndrome using plasma pancreatic polypeptide (PP) response to the sham meal test - Richard W. McCallum, MD
• Endocannabinoid gene polymorphisms as a potential predictor of Barrett’s esophagus - Irene Sarosiek, MD
• Adherence of Hispanic/Latina Breast Cancer - Patients to Adjuvant Aromatase Inhibitors - (AIs). - Alexander Philipovskiy, MD, PhD
• Developing a new model of gastric motor and electrical function and understanding the underlying mechanisms of gastric neuromodulation. - Richard W. McCallum, MD
• Outcomes of Ultrasound Guided Ulnar versus Radial Cardiac Catheterization - Subrata Kar, MD
• Clinical and pathological features of Epstein-Barr virus associated gastric carcinoma at the US-Mexico border: a single institution study - Sumit Gaur, MD