

BIOGRAPHICAL SKETCH

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NAME: Eskander, Mariam

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Assistant Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	END DATE MM/YYYY	FIELD OF STUDY
Harvard College, Cambridge, MA	AB	06/2005	Biological Sciences
Chicago Medical School, North Chicago, IL	MD	06/2012	Medicine
Harvard T.H. Chan School of Public Health, Boston, MA	MPH	03/2016	Clinical Effectiveness
Beth Israel Deaconess Medical Center, Boston, MA	Intern	06/2013	General Surgery
Beth Israel Deaconess Medical Center, Boston, MA	Resident	06/2014	General Surgery
Beth Israel Deaconess Medical Center, Boston, MA	Research Fellow	06/2016	MA Department of Public Health, Surgical Outcomes Analysis and Research (SOAR)
Beth Israel Deaconess Medical Center, Boston, MA	Resident	06/2019	General Surgery
The Ohio State University Wexner Medical Center, OH	Clinical Fellow	07/2021	Complex General Surgical Oncology

A. Personal Statement

I am a surgical oncologist at the Rutgers Cancer Institute of New Jersey and an Assistant Professor of Surgery. My research focuses on understanding the drivers and root causes of health inequities in patients with cancer with the ultimate goal of developing practical interventions to mitigate them. I have a background in health services research and training in study design and statistics via coursework for a Master in Public Health degree. I have presented my research at multiple regional and national meetings. I am a co-investigator on an internal grant at Ohio State University that establishes a patient navigator program for newly diagnosed gastrointestinal cancer patients who are Medicaid enrollees seeking oncology care. This interest in barriers to care among vulnerable populations lays the groundwork for my current projects on unequal access to clinical trials. I am the PI of a project funded by the NJ Health Foundation examining the association between social determinants of health and health literacy on attitudes and access to clinical trials among low-income individuals.

I would like to highlight my work on this nationally representative study identifying disparities in clinical trial enrollment for pancreatic cancer, as well as a commentary I authored advocating for more attention to this issue.

- Eskander MF**, Gil L, Beal EW, Li Y, Hamad A, Oppong B, Obeng-Gyasi S, Tsung A. Access Denied: Inequities in Clinical Trial Enrollment for Pancreatic Cancer. *Ann Surg Oncol.* 2022 Feb;29(2):1271-1277. PubMed PMID: 34655352.
- Eskander MF**, Obeng-Gyasi S, Tsung A. ASO Author Reflections: Seizing the Momentum to Diversify Cancer Clinical Trial Enrollment. *Ann Surg Oncol.* 2022 Feb;29(2):1278-1279. PubMed PMID: 34657198.

B. Positions, Scientific Appointments and Honors

Positions and Scientific Appointments

- 2021 - Assistant Professor, Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ
2021 - Attending Surgeon, Rutgers Cancer Institute of New Jersey, Surgery (Surgical Oncology)

Honors

- 2019 Medical Student Teacher Award, Core Surgery Clerkship (Jan 2019 - Mar 2019), Beth Israel Deaconess Medical Center
2019 Principal Clinical Experience HMS Medical Student Outstanding Resident Teaching Award, Beth Israel Deaconess Medical Center
2018 Medical Student Teacher Award, Core Surgery Clerkship (Jan 2018 - Mar 2018), Beth Israel Deaconess Medical Center
2018 Medical Student Teacher Award, Core Surgery (Sep 2018 - Dec 2018), Beth Israel Deaconess Medical Center
2018 Principal Clinical Experience HMS Medical Student Outstanding Resident Teaching Award, Beth Israel Deaconess Medical Center
2016 SSAT Writers Workshop Scholarship, Society for Surgery of the Alimentary Tract
2016 Medical Student Teacher Award, Core Surgery Clerkship (Jul 2016 - Sep 2016), Beth Israel Deaconess Medical Center
2014 Principal Clinical Experience HMS Medical Student Outstanding Resident Teaching Award, Beth Israel Deaconess Medical Center
2014 BIDMC Academy of Medical Educators, Beth Israel Deaconess Medical Center
2014 Peer Supporter (nominated by peers), Beth Israel Deaconess Medical Center
2013 Resident Prize Essay Award, 3rd Place, New England Surgical Society
2013 Medical Student Teacher Award, Core Surgery Clerkship (Aug 2013-Oct 2013), Beth Israel Deaconess Medical Center
2012 Gold Humanism in Medicine Honor Society, Chicago Medical School
2012 Leonard Tow Humanism in Medicine Award, Chicago Medical School
2012 Alpha Omega Alpha, Chicago Medical School
2010 Outstanding Female Student Leader, Chicago Medical School
2009 Healthcare Service Travel Award, Chicago Medical School
2005 Carl and Lily Pforzheimer Public Service Award, Harvard College
2005 Pforzheimer House Public Service Award, Harvard College
2005 Michael C. Rockefeller Traveling Fellowship, Harvard College
2005 Cum laude with certificate in Mind, Brain & Behavior, Harvard College

C. Contributions to Science

- 1 Early in my career, I used large databases to compare and understand the efficacy of treatments for pancreatic cancer. Along with a team of collaborators, I harnessed the power of big data to produce hypothesis-generating retrospective studies in an area where randomized data is lacking.
 - a. Bliss LA, **Eskander MF**, Kent TS, Watkins AA, de Geus SW, Storino A, Ng SC, Callery MP, Moser AJ, Tseng JF. Early surgical bypass versus endoscopic stent placement in pancreatic cancer. HPB (Oxford). 2016 Aug;18(8):671-7. PubMed PMID: PMC4972376.
 - b. **Eskander MF**, de Geus SW, Kasumova GG, Ng SC, Al-Refaie W, Ayata G, Tseng JF. Evolution and impact of lymph node dissection during pancreaticoduodenectomy for pancreatic cancer. Surgery. 2017 Apr;161(4):968-976. PubMed PMID: 27865602.

- c. de Geus SW, **Eskander MF**, Bliss LA, Kasumova GG, Ng SC, Callery MP, Tseng JF. Neoadjuvant therapy versus upfront surgery for resected pancreatic adenocarcinoma: A nationwide propensity score matched analysis. *Surgery*. 2017 Mar;161(3):592-601. PubMed PMID: 28341441.
 - d. de Geus SWL, **Eskander MF**, Kasumova GG, Ng SC, Kent TS, Mancias JD, Callery MP, Mahadevan A, Tseng JF. Stereotactic body radiotherapy for unresected pancreatic cancer: A nationwide review. *Cancer*. 2017 Nov 1;123(21):4158-4167. PubMed PMID: 28708929.
- 2 Upstream factors, also known as social determinants of health, influence access to life-saving treatments for cancer. My research has shown that everything from social ties to geography can impact treatment and survival. In addition to individual factors, using a census-tract level composite score, we have shown that a patient's residential economic environment also correlates with cancer outcomes. This research highlights that our approaches to equitable cancer management must also tackle socioeconomic challenges at both an individual and systemic level.
- a. **Eskander MF**, Schapira EF, Bliss LA, Burish NM, Tadikonda A, Ng SC, Tseng JF. Keeping it in the family: the impact of marital status and next of kin on cancer treatment and survival. *Am J Surg*. 2016 Oct;212(4):691-699. PubMed PMID: 27712668.
 - b. Kasumova GG, **Eskander MF**, de Geus SWL, Neto MM, Tabatabaie O, Ng SC, Miksad RA, Mahadevan A, Rodrigue JR, Tseng JF. Regional variation in the treatment of pancreatic adenocarcinoma: Decreasing disparities with multimodality therapy. *Surgery*. 2017 Aug;162(2):275-284. PubMed PMID: 28487044.
 - c. Obeng-Gyasi S, Bhattacharyya O, Li Y, **Eskander M**, Tsung A, Oppong B. The implications of neighborhood socioeconomic status on surgical management and mortality in malignant phyllodes patients in the Surveillance, Epidemiology, and End Results program. *Surgery*. 2020 Dec;168(6):1122-1127. PubMed PMID: 32847674.
 - d. **Eskander MF**, Hamad A, Li Y, Fisher JL, Oppong B, Obeng-Gyasi S, Tsung A. From street address to survival: neighborhood socioeconomic status and pancreatic cancer outcomes. *Surgery*. 2022 Mar;171(3):770-776. PubMed PMID: 34876291.
- 3 Finally, from a medical education perspective, I have worked on methods to improve surgical training while preserving patient safety and controlling cost. This research shows that interventions such as procedure-specific robotic training, combined resident and faculty development, and defining the resident and fellow relationship can alter the experience of learners.
- a. Chen XP, Cochran A, Harzman AE, **Eskander MF**, Ellison EC. Efficiency of Increasing Prospective Resident Entrustment in the Operating Room. *J Surg Res*. 2021 May;261:236-241. PubMed PMID: 33460968.
 - b. **Eskander MF**, Woelfel I, Harzman A, Cochran AL, Ellison EC, Phoenix Chen X. Education Morbidity and Mortality: Reviving Intraoperative Teaching and Learning. *J Surg Res*. 2021 Aug;264:462-468. PubMed PMID: 33848846.
 - c. Ryoo DY, **Eskander MF**, Hamad A, Li Y, Cloyd J, Manilchuk A, Tsung A, Pawlik TM, Dillhoff M, Schmidt C, Ejaz A. Mitigation of the Robotic Pancreaticoduodenectomy Learning Curve through comprehensive training. *HPB (Oxford)*. 2021 Oct;23(10):1550-1556. PubMed PMID: 33903049.
 - d. Selby LV, Woelfel IA, **Eskander M**, Chen X, Villarreal ME, Cochran AL, Harzman AE, Grignol VP. All Politics Are Local: A Single Institution Investigation of the Educational Impact of Residents and Fellows Working Together. *J Surg Res*. 2022 Mar;271:82-90. PubMed PMID: 34856456.

Complete List of Published Work in My Bibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/mariam.eskander.1/bibliography/public/>