

Education and Training

Undergraduate Aug 2005 – May 2009	Johns Hopkins University B.S. in Cellular and Molecular Biology, General Honors Minors: Mathematics, Economics
Medical School Aug 2009 – May 2013	University of Maryland School of Medicine Baltimore, MD
Internal Medicine Residency July 2013 – June 2016	Rutgers - New Jersey Medical School Newark, NJ
Nephrology Fellowship July 2016 – June 2019	Stanford University School of Medicine Palo Alto, CA
Research Fellowship July 2017 – Sept 2018	Satellite Healthcare 300 Santana Row #300, San Jose, CA 95128
Medical Informatics Fellowship November 2018 – Present	Stanford Center for Health Policy, Primary Care Outcomes and Research Veterans Affairs Palo Alto Health Care System Palo Alto, CA

Professional Societies

2016 – Present American Society of Nephrology

Research Experience

2006-2008 (Summers)	Center for Biologics Evaluation and Research, Tumor and Vaccines Branch, FDA Bethesda, MD PI: Dr. Raj K. Puri; Mentor: Dr. Bharat Joshi Investigated specific tumor cell-line sensitivity to chimeric fusion protein interleukin-13 pseudomonas exotoxin
Summer 2007	National Cancer Institute, Bethesda, MD In collaboration with FDA Tumor and Vaccines Branch Mentor: Dr. Edwin Lai Researched overexpression of interleukin-13 receptor $\alpha 2$ in malignant pheochromocytoma
Summer 2010	Department of Radiation Oncology, University of Maryland School of Medicine Baltimore, MD PI: Dr. Feyrooz Rassool. Mentor: Dr. Carine Robert Studied the synergistic effects of DNA methyltransferase inhibitors and histone deacetyltransferase inhibitors on myelodysplastic cell lines

- Aug 2013 – Rutgers New Jersey Medical School, East Orange Veterans Affairs Medical Center
May 2015 PI: Dr. Neil Kothari, Dr. Mirela Feurdean
Investigated premedication practices prior to blood product transfusion within the East Orange Veterans Affairs Medical Center.
- Aug 2015 – Rutgers New Jersey Medical School, East Orange Veterans Affairs Medical Center
May 2016 PI: Dr. Mirela Feurdean
Investigated physician compliance with electronic reminders for patients who met USPSTF ultrasound screening criteria for abdominal aortic aneurysms within the New Jersey Veterans Affairs Healthcare System
- July 2017 – Satellite Healthcare
Sept 2018 PI: Dr. Brigitte Schiller
Conducted hemodialysis-related research at a medium-size dialysis provider including a randomized, controlled trial of the effect of blood flow rate reductions on post-dialysis fatigue. Proposed new research endeavors to industry partners, including a study to determine the effect of patiomer on the ability to reduce low-potassium dialysate use. Conducted post-hoc data analysis of clinical trial data. Responsibilities included clinical trial registration, interfacing with Institutional Review Boards, submission of articles for peer-reviewed publication, and development of corporate white papers.
- Oct 2018 – Palo Alto Veterans Affairs Medical Center
Present Worked in a multidisciplinary team to build and assess the Clinical Decision Support system for hypertension management for primary care physicians in the Veterans Affairs system.

Posters

Puri R, Joshi B, **Duggal V**; Evaluation of DNA Replication and Protein Synthesis in Human Cancer Cell Lines by Isotopic and Non-Isotopic Techniques. NIH Student Research Day, Bethesda, MD, August 2008.

Gandhi A, Singh L, **Duggal V**, Cherath L, Michaels M, Tentler A, Feurdean M. “Premedication in blood product transfusions: Is it an evidence based practice?” Research Day May 2014, Rutgers New Jersey Medical School.

Duggal V, Singh L, Hussain M, May R, Feurdean M. “Premedication in Blood Transfusion.” Research Day 2015, Rutgers New Jersey Medical School.

Duggal V, Rojas, R, Hussain M, Dineen H, Kothari N, Feurdean M. “Incidence of Screening for Abdominal Aortic Aneurysms in Smokers Ages 65-75.” Research Day 2016, Rutgers New Jersey Medical School.

Duggal V, Abra G, Reiterman M, Sun S, Hussein W, Schiller B. “The Effect of Blood Flow Rate Reduction on Post-Dialysis Fatigue.” Poster Session, American Society of Nephrology Kidney Week, October 25, 2018.

Oral Presentations

Duggal, Vishal. “Chromatin Modifying Agents, DNA Damage, and Apoptosis.” Student Research Day Lectures, University of Maryland School of Medicine, Baltimore. 6 August 2010.

Duggal, Vishal. “Chromatin Modifying Agents, DNA Damage, and Apoptosis.” Department of Radiation Oncology Research Meeting, University of Maryland Medical Center, Baltimore. 13 December 2010.

Publications

Varghese T, Jin P, **Duggal V**, Hashim H. A Case of Type A Aortic Dissection with Intimal Flap Prolapse into Left Ventricular Outflow Tract Presenting as Left Main ST Elevation Myocardial Infarction. ACP Associates Abstract Competition, NJ Chapter, March 7, 2014.

Duggal V, Bennet P, Abra G, Schiller B. Post-Dialysis Recovery Time [White Paper]. August 2017.

Duggal V, Hussein W, Abra G. Practice Pointer: Post-Dialysis Fatigue. *American Society of Nephrology Kidney News*, August 2018. https://www.kidneynews.org/kidneynews/10_8/10/10.pdf

Duggal, V., Hussein, W. F., Reiterman, M., Sun, S. J., Abra, G. E., Schiller, B. The effect of blood flow rate on dialysis recovery time in patients undergoing maintenance hemodialysis: A prospective, parallel-group, randomized controlled trial. *Hemodialysis International*. 2019 Mar 4. doi: 10.1111/hd.12741

Other

2014-2015 University Hospital Medical Informatics Committee, Rutgers New Jersey Medical School

Experience in SQL, Python (statistical/scientific libraries), R