

M. Usman Ahmad

Education

2015-2019	MD	Medicine	University of South Florida Morsani College of Medicine, Tampa, FL
2009	BA	Economics	Northwestern University, Evanston, IL
2021	Certificate	Fundamentals of Data Science	Stanford ICME, Stanford, CA
2015-2019	Certificate	MD SELECT Healthcare Leadership Track	USF MCOM, Tampa, FL & Lehigh Valley Health Network, Allentown, PA
2019	Certificate	Quality & Safety	Institute for Healthcare Improvement, Boston, MA
2012	Certificate	Clinical Trial Management	University of Chicago, Chicago, IL
2007	No degree	Public Health, TCM, Mandarin	Tsinghua University, Beijing, China

Postdoctoral Training

06/2021-Current	Postdoctoral Research Fellowship	Stanford University, Stanford, CA
	Surgical Oncology, Department of Surgery & Kirane Lab	
	Artificial Intelligence, Machine Learning, & Basic Tumor Immunology	
06/2020-06/21	Residency in General Surgery	Stanford Medicine, Stanford, CA
06/2019-06/20	Internship in General Surgery	University of Colorado Anschutz, Aurora, CO

Professional Experience

2014-15	Consultant	Vizient, Chicago, IL
	Developed automation process for outcomes of 90% of AMCs in the U.S.	
	Completed org change launching a service center covering 5 software products.	
2010-14	Senior Associate	Neurowave Medical Technologies, Chicago, IL
	New product development including IP development, forecasting, operating budget, business strategy, and new market assessment.	
	Launched plan, product, and team for oncology launch 4x ROI/12 months (\$3MM).	
	Regulatory and clinical data expert for FDA, OUS approvals, and reimbursement.	
2009-10	Consultant	Zone Medical, San Diego, CA
	General management sales & operations planning (\$600K) for Central and East US	
	Planned barcoding standardization and regulatory approval across global market	

Honors & Scholarships

2018 - Current

August 2022

M. Usman Ahmad

2018	Robert A. Good Honor Society	USF MCOM, Tampa, FL
2017-19	USF research honor society <10% class	
2015-19	DFA National Leadership Conference Scholarship	DFA, Washington, DC
2015-19	MD SELECT Galen Scholarship	USF MCOM, Tampa, FL
2015-16	MD SELECT Koch Award	USF MCOM, Tampa, FL
2016	Anderson SELECT Scholars	USF MCOM, Tampa, FL
2006-07	MD SELECT Osler Award	USF MCOM, Tampa, FL
2006-07	SELECT Research Stipend	USF MCOM, Tampa, FL
	Herman J. DeFord Scholarship	Northwestern University, Evanston, IL
	J. G. Nolan Scholarship	Northwestern University, Evanston, IL

Funding & Awards

2018	AMA Interim Conference Funding	PAMED, Harrisburg, PA
2018	PAMED Annual Conference Funding	LCMS, Allentown, PA
2018	AMA Annual Conference Funding	PAMED, Harrisburg, PA
2017	Carolyn L. Kuckein Fellowship	AQA, Aurora, CO
	Original research project with 1 application per chapter, 130 chapters, 50 awards	
2017	ATC Travel Award (12/100 Awarded)	AST, Mount Laurel, NJ
2017	FMA Legislative Visit Day	Florida Medical Association, Tallahassee, FL
2010	Innovate Illinois Competition (1 st Place)	Chamber of Commerce, Chicago, IL

Professional Memberships

2022-Current	Member, Society of Asian Academic Surgeons
2022-Current	Member, Society for Immunotherapy of Cancer
2020-Current	Member, California Medical Association
2019-Current	Member, Colorado Medical Society
2017-Current	Member, American College of Surgeons
2015-Current	Member, American Medical Association

Research Experience

2021-Current

Stanford University School of Medicine – Stanford, CA
Department of Surgical Oncology. Li Laboratory & Kirane Laboratory

George A. Poultides, MD, MS, FACS, Professor of Surgery & Amanda Kirane MD, FACS, Assistant Professor of Surgery
Mentored in multiple projects spanning across two distinct fields including the application of artificial intelligence/machine learning in oncologic malignancy (Poultides/Li Lab) and basic scientific research in tumor immunology (Kirane Lab).

05/16-08/16

University of Cambridge School of Clinical Medicine – Cambridge, UK
An Antitumor Antibody Response to Attenuate Metastatic Melanoma in a Murine Model: Department of Surgery, Addenbrooke's Hospital

Gavin J. Pettigrew, Reader in Clinical and Experimental Transplantation, Honorary Consultant Surgeon & Reza Motallebzadeh, Clinical Lecturer & Specialist Registrar
To determine the ability of adoptively transferred MHC class II mismatched CD4(+) T-cells to induce a tumor specific antibody response in a murine model of melanoma. To correlate the level of antibody with reduced tumor burden.

Techniques: ELISA, Magnetic Activated Cell Sorting (MACS), cryosectioning, microtome, double immuno-fluorescent antibody techniques, data analysis

2005-07

Northwestern University – Evanston, IL
Department of Molecular Biosciences, Mayo Laboratory

Kelly Mayo, Professor, Department of Molecular Biosciences
Assisted with research concerning gene regulation of ovarian hormone action and signal transduction.

Techniques: General laboratory e.g. pipette, weigh, sterilize, prepare media, pour plates, assist with sorting imaging

Presentations

- May 2022 **Ahmad MU**, Javadi C, Chang J, et al. [Radiographic, Biochemical, or Pathologic Response to Neoadjuvant Chemotherapy in Resected Pancreatic Cancer: Which is Best?](#). Holman Research Day 2022. Stanford University, Stanford, CA.
- Sep 2020 **Ahmad MU**, Riley K, Ridder T. Acute Colonic Pseudo-obstruction after Posterior Spinal Fusion: A Case Report and Literature Review. SWSC 2020 Annual Meeting, Ojai, CA. (Conference Cancelled COVID-19).
- June 2020 **Ahmad MU**. Solid Pseudopapillary Neoplasm (SPN) Case Presentation – Surgical Management & Blood Transfusions & Carcinogenesis. University of Colorado, Division of Surgical Oncology Conference, Aurora, CO.
- June 2020 **Ahmad MU**. Malignant Peripheral Nerve Sheath Tumor Case Presentation – Surgical Management of Sarcoma & Electrochemotherapy as Adjunct Treatment. University of Colorado, Division of Surgical Oncology Conference, Aurora, CO.
- June 2020 **Ahmad MU**, Riley KD, Ridder T. Acute Colonic Pseudo-Obstruction: A Case Report and Literature Review. E-Poster, AANS, Boston, MA ([Online due to COVID-19](#))
- May 2020 **Ahmad MU**. Pancreatic Cancer Case Presentation – Unresectable vs. Resectable Disease & Role of Microbiome in Pathogenesis and Treatment. University of Colorado, Division of Surgical Oncology Conference, Aurora, CO.
- Nov 2019 **Ahmad MU** representing Region 3, Region 4, Region 5, Region 7, Hargraves A, Panigrahi A. Health Impact of Per- and Polyfluoroalkyl Substances (PFAS) Contamination in Drinking Water. Testimony, HOD, AMA, San Diego, CA.
- Aug 2019 **Ahmad MU**, Zhang A, Mhaskar R. A Predictive Model for Decreasing Clinical No-Show Rates in a Primary Care Setting. Poster Presentation, Florida Medical Association Annual Meeting, Orlando, FL.
- Dec 2018 **Ahmad MU**. Alcoholic Liver Disease (ALD) & Organ Transplantation. University of Washington, Division of Transplant Surgery, M&M, Seattle, WA.
- May 2017 **Ahmad MU**, Hanna A, Mohamed A, Mhaskar R, Jarmi T, Schlindwein A, Pley C, Bahner, I. Increasing Organ Supply in the US: A Systematic Review of Presumed Consent vs. Informed Consent (2006-2016). [Oral Presentation](#), American Transplant Congress, Chicago, IL.
- Feb 2017 **Ahmad MU**, Rehakova S, Van Der Weyden L, Adams D, Speak A, Motallebzadeh R, Pettigrew GJ. An Antitumor Antibody Response to Attenuate Metastatic Melanoma in a Murine Model. USF Health Research Day, Tampa, FL.
- Nov 2016 **Ahmad MU**, Hanna A, Mhaskar R, Mohamed A, Schlindwein A, Pley C, Bahner I. Increasing Organ Supply in the US: A Systematic Review of Presumed Consent vs. Informed Consent (2006-2016). American Medical Association Research Symposium, Orlando, FL

Abstracts, Articles

Sun B, **Ahmad MU**, Gingrich AA, Walsh A, Nielsen R, Maverakis E, Kirane AR. [The Role of AXL Tyrosine Kinase in the Melanoma Immune Microenvironment](#). Ann Surg Oncol. 2022; 29 (suppl 2).

Javadi C, Chang J, Forgo E, **Ahmad MU**, Fisher GA, Chang DT, Delitto DJ, Dua MM, Lee B, Visser BC, Norton JA, Poultides GA. [Radiographic, Biochemical, or Pathologic Response to Neoadjuvant Chemotherapy in Resected Pancreatic Cancer: Which is Best?](#). Ann Surg Oncol. 2022; 29 (suppl 2).

Lowe MC, **Ahmad MU**, Sun B, Gholami S, Maverakis E, Kirane AR. [Neoadjuvant Intralesional Therapy for High Risk Stage II Melanoma](#). Ann Surg Oncol. 2022; 29 (suppl 2).

Ahmad M, Hanna A, Mohamed A, Mhaskar R, Jarmi T, Schlindwein A, Pley C, Bahner I. [Increasing Organ Supply in the US: A Systematic Review of Presumed Consent vs. Informed Consent \(2006-2016\)](#). [abstract]. Am J Transplant. 2017; 17 (suppl 3).

Ahmad MU. [Community Health: Does a Doctor's Job End in the Clinic?](#) Lehigh Cty Heal Med. 2018:20-21.

Peer Reviewed Publications

Creelan BC, **Ahmad MU**, Kaszuba FJ, et al. [Clinical Activity of Nivolumab for Human Papilloma Virus-Related Juvenile-Onset Recurrent Respiratory Papillomatosis](#). Oncologist. 2019:1-7. doi:10.1634/theoncologist.2018-0505

Ahmad MU, Hanna A, Mohamed A, Schlindwein A, Pley C, Bahner, I, Mhaskar R, Pettigrew GJ, Jarmi T. [A Systematic Review of Opt-out vs. Opt-in Consent on Deceased Organ Donation and Transplantation \(2006-2016\)](#). World J Surg. 2019; 43, 3161–3171. doi:10.1007/s00268-019-05118-4

Ahmad MU, Zhang A, Mhaskar R. [A Predictive Model for Decreasing Clinical no-show Rates in the Primary Care Setting](#). Intl J of Healthcare Mgmt. doi: 10.1080/20479700.2019.1698864

Ahmad MU, Riley KD, Ridder R. [Acute Colonic Pseudo-Obstruction After Spinal Fusion: A Case Report and Literature Review](#). World Neurosurgery. doi: 10.1016/j.wneu.2020.07.013

Ahmad MU, Javadi C, Poultides G. [Neoadjuvant Treatment Strategies for Resectable Proximal Gastric, Gastroesophageal Junction, and Distal Esophageal Cancer](#). Cancers. doi: 10.3390/cancers14071755

Ahmad MU, Gebregziabher B, Lee B. [Rare Histologies in Peritoneal Carcinomatosis: A Literature Review](#). Digestive Medicine Research. doi: 10.21037/dmr

Grant Support

2017 Co-Investigator: Ahmad MU & Jarmi T

Ahmad MU, Hanna A, Mohamed A, Pley C, Schlindwein A, Jarmi T, Mhaskar R, Motallebzadeh R.

Title: Public Perception of Presumed Consent in the US and UK.

Alpha Omega Alpha Carolyn L. Kuckein Student Research Fellowship; \$5,000

Health Policy

Region 6, Region 7, Ahmad MU, Benton E, Reyes O, Lai BS, Hoff NA, Patel A, Pereira D, Roussas A, Kamath P. Tuition Reimbursement for Medical Student Performed EHR Documentation as part of Evaluation & Management. Resolution, American Medical Association MSS A-18. Published.

Region 3, Region 4, Region 5, Region 7, Hargraves A, Panigrahi A, **Ahmad MU**. Health Impact of Per- and Polyfluoroalkyl Substances (PFAS) Contamination in Drinking Water. Resolution, American Medical Association MSS A-19. Published.

Region 1, Region 6, Panigrahi A, Liu S, Danesh D, **Ahmad MU**, Jiang J, Crowder H. Curtailing Greenhouse Gas Emissions to Net Zero in the Health Sector. Resolution, American Medical Association MSS A-19. Published.

Committee on Legislation & Advocacy. Support for Housing Modification Policies. Report, American Medical Association MSS A-19. Published. Description: Insurance coverage mechanisms for occupational therapy led housing modifications to prevent falls and trauma admissions.

Committee on Legislation & Advocacy. Mandatory Reporting of Sexual Misconduct Allegations to Law Enforcement. Report, American Medical Association MSS A-19. Published. Description: Evaluating current mandatory reporting laws when perpetrators of sexual misconduct are health professionals and victims are patients.

Ahmad MU representing authorship. Health Impact of Per- and Polyfluoroalkyl Substances (PFAS) Contamination in Drinking Water. Testimony, House of Delegates, American Medical Association I-19.

Quality Improvement

Ahmad MU, Zhang A, Mhaskar R. A Predictive Model for Clinical No Show Rates: Logistic Regression in Primary Care Setting. University of South Florida, Tampa, FL. An assigned quality improvement project for the certificate program where we developed a model to predict clinical no shows in a primary care practice.

Ahmad MU, Shah K, Zhang A, Porat D, Bowers P, Duerr E, Sabino J, Greenberg M. Improving LGBTQ Health Outcomes at LVHN. Lehigh Valley Health Network, Allentown, PA. An assigned quality improvement project for the certificate program where I acted as team lead with a primary survey to health practices, data analysis and a final presentation with the project team.

Professional Roles (Unpaid)

2021-Current	Council Member	Stanford University Postdoctoral Association, Stanford, CA
2022-Current	Ad-Hoc Reviewer (1)	Current Oncology, Basel, Switzerland
2022-Current	Ad-Hoc Reviewer (1)	Cancer Medicine, Hoboken, NJ
2021-Current	Ad-Hoc Reviewer (1)	World Journal of Surgical Oncology, London, UK
2020-Current	Ad-Hoc Reviewer (1)	Progress in Transplantation, Evansville, IN
2020-Current	Ad-Hoc Reviewer (1)	Applied Clinical Informatics, Nashville, TN
2019-Current	Ad-Hoc Reviewer (1)	Annals of Transplantation, Melville, NY
2019-Current	Ad-Hoc Reviewer (20)	International Journal of Healthcare Management, UK
2013-Current	Mentor & Reviewer Mentor & annual review of scholarship applications	Greenhouse Scholars, Chicago, IL
2018-19	Voting Delegate Attend board meetings, vote at state meeting on behalf of county	Lehigh County Medical Society, Allentown, PA
2017-19	Committee on Legislation & Advocacy Vice Chair, 2018 – 19; Member, 2017-18	AMA MSS, Chicago, IL
2013-15	Medical Volunteer Largest free clinic by volume in the US. Spanish language triage, EHR conversion	CommunityHealth – Chicago, IL
2013-15	Director – Board Advised arts organization with a 25+ year history on strategy and management	CUBE Ensemble – Chicago, IL
2010-12	Director – Board Advised social entrepreneurship incubator	CityThink Detroit – Detroit, MI

Invited Lectures

Apr 2022	Speaker, Panel Invited speaker on panel for teens in high school interested in careers in healthcare (100 students). Joint conference with The Stemistry Project (SF, CA) & Teens for Healthcare Frisco (Frisco, TX).	Healthcare Corner Conference, Virtual, US
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Extracurricular Involvement

2018-19	Voting Delegate/Member, AMA MSS Reestablished chapter at USF-LVHN and regained voting rights for 100+ student body at USF-LVHN satellite campus	USF-LVHN, Allentown, PA
2017-19	Member, COM Diversity & Inclusion Council Case writing for Doctoring Course, Meeting planning	USF MCOM, Tampa, FL
2017-19	Medical Volunteer, Street Medicine Medical support and triage for homeless population	USF-LVHN, Allentown, PA
2016-17	Medical Volunteer, Tampa Bay Street Medicine Medical support on street runs for homeless population, clinical appointments at Well clinic, and performed at fundraiser.	USF MCOM, Tampa, FL
2015-16	Voting Member, COM Allocation Committee Approved budget requests for student organizations.	USF MCOM, Tampa, FL
2015-16	Medical Volunteer, Ybor Youth Clinic Serving at risk youth, LGBTQ population and socioeconomically disadvantaged. Assisted with sexual health screening, counseling, HIV/AIDS screening, and IUD consultations.	USF MCOM, Tampa, FL
2016	Medical Volunteer, SACA Health Fair Suncoast Association of Chinese Americans health fair at Chinese New Year festival. Phlebotomy for Hepatitis B screening and performed basic health vitals.	USF MCOM, Tampa, FL
2005-Current	Musician (Vocalist/Guitarist) – [Recent Performances] Tampa Bay Street Medicine Fundraiser, Dec 2016, Tampa, FL Band-aids for Bridge Fundraiser, Jan 2016, Tampa, FL	Various Locations
2008-09	Co-founder, NU-IMAN Community service organization. Co-lead seminar for 300 high school students on service. Served weekly at St. Thomas of Canterbury Soup Kitchen, Chicago, IL. Performed at 1st fundraiser in fall 2009 after graduating.	Northwestern University, Evanston, IL
2005-08	President, Peace of Mind A group devoted to discourse to resolve the Israeli-Palestinian conflict. 50/50 representation from Jewish and Muslim stakeholders. Quadrupled campus programming, established office in student organization headquarters, increased membership by 3x, and recruited new executive team.	Northwestern University, Evanston, IL
2005-08	Rower, Crew Team 20+ hours per week of daily training and team travel commitments. Ranked in top 5 on team in fall 2006. Top 1/3 in Head of the Charles, 4+, fall 2006	Northwestern University, Evanston, IL

Skills

Administrative

- General Management, Data analysis & visualization (Stata/SAS/Tableau), E-Health Records

Laboratory

- ELISA, Magnetic Activated Cell Sorting (MACS), cryo-sectioning, microtome, double immunofluorescent antibody techniques
- General laboratory e.g. pipette, weigh, sterilize, prepare media, pour plates, buffer preparation, dilutions, solutions, and trouble-shooting

Languages

- English – native fluency & Punjabi – fluent
- Urdu – intermediate & Spanish – intermediate

Interests

- History
- Guitar
- Running
- Cuisine
- Aviation

Licensure and Certification

Colorado Full Physician License (DR.0066109)

Student Pilot License (4391035)

DEA (FA9640055)