

SUMMARY
STATEMENT

Practicing physician with in-depth expertise and passion for design and development of medical technologies and digital health. Demonstrated leadership in innovation, mentorship and advising medical start-ups in technology and business development. Experience in identifying and communicating with key stake-holders for voice of customer feedback across the healthcare ecosystem.

CONTACT
INFORMATION

Email: BlumIMLLC@gmail.com
Website: www.linkedin.com/emilyblummd

EDUCATION

BOSTON UNIVERISTY SCHOOL OF MEDICINE

Cum Laude, Doctor of Medicine, Graduation Completion: 2009
Alpha Omega Alpha (2009)

BOWDOIN COLLEGE

Cum Laude, B.A. Biology (Honors) with a Minor in Chemistry, Completion: 2004
Phi Beta Kappa (2004)

SEA EDUCATION ASSOCIATION

Wood Hole, MA; Graduated January 2003

WILDERNESS MEDICAL ASSOCIATION

Certified First Responder, 2001-2005

EXPERIENCE

BLUMIM LLC

Founder/Owner

Atlanta, Georgia
August 2020 – Present

GLOBAL CENTER FOR MEDICAL INNOVATION

Medical Affairs liaison
2021 Medical Director
Present

Atlanta, Georgia
April 2017 – March
March 2021-

GEORGIA UROLOGY

Pediatric Urologist

- Board Certified in Adult and Pediatric Urology

Atlanta, Georgia
April 2017 – Present

EMORY UNIVERSITY

Adjunct Clinical Instructor
2021
Adjunct Assistant Professor

Atlanta, Georgia
April 2018 – May

May 2021- Present

CHILDREN'S NATIONAL MEDICAL CENTER

A.Barry Belman Pediatric Urology Fellow
2017

Washington, DC
June 2015 – June

Joseph E. Robert Jr. Fellow for Pediatric Surgical Innovations.
2016

June 2015 – June

WILLIAM BEAUMONT HOSPITAL

General Surgery Resident
Urology Resident

Royal Oak, Michigan
July 2009 – June 2011
July 2011 – June 2015

MEDTECH INNOVATORS COVID 19 PITCH EVENT	Virtual
Judge	July 2020
ARTIFICIAL INTELLIGENCE IN MEDICINE	
Member	2020-Present
ASSOCIATION OF HEALTHCARE VALUE ANALYSIS PROFESSIONALS	
Member	2020-Present
MEDTECH WOMEN @SEMDA/SOUTHEAST LIFE SCIENCES	Atlanta, Georgia
Advisory Board	March 2019 – Present
83RD ANNUAL MEETING OF THE SOUTHEASTERN SECTION OF THE AUA (SESAUA)	Phoenix, Arizona
Moderator of Pediatric Podium Session	March 2019
MEDICAL JOURNAL REVIEWER	
Journal of Urology and Journal of Pediatric Urology	2017 – Present
3RD ANNUAL NCC-PDI	Washington, DC
National Capital Consortium for Pediatric Device Innovation	October 2015
Medical Advisory to the Judges and Grant Reviewer	
3RD ANNUAL PEDIATRIC SURGICAL INNOVATION SYMPOSIUM	Washington, DC
Medical Advisory to the Judges and Grant Reviewer	October 2015
2015 SEHA CONFERENCE	Abu Dhabi, UAE
Abstract Reviewer	December 2015
SOCIETIES FOR PEDIATRIC UROLOGY	
Member	2015-Present
American Urological Association	
Member	2009-Present

PROFESSIONAL AWARDS & GRANTS	BEST ABSTRACT, 3RD ANNUAL JOSEPH E. ROBERT, JR. ACADEMIC DAY SYMPOSIUM	2016
	JOSEPH E. ROBERT, JR. RESEARCH ENDOWMENT AWARDEE ABSTRACT	2016
	<i>Early Detection of Ureteropelvic Junction Obstruction using Signal Analysis and Machine Learning: A Dynamic Solution to a Dynamic Problem</i> with Hans Pohl MD and Marius George Linguraru DPhil	
	BEST ABSTRACT, 2RD ANNUAL JOSEPH E. ROBERT, JR. ACADEMIC DAY SYMPOSIUM	2015
	CERTIFICATE OF COMMENDATION	2015
	AAMC Resident Physician Community Service Award	
	3RD PLACE, BEST PRESENTATION	2012
Michigan Urologic Society Annual Residents Day		

Joo T, Takeuchi M, Liu F, Rivera MP, Barr J, Blum ES, Parker E, Tipton JH, Varnedoe J, Dutta B, Lively RP. Evaluation of Particle Filtration Efficiency of Commercially Available Materials for Homemade Face Mask Usage. *Aerosol Science and Technology*. 2021 Mar 19(just-accepted):1-4.

Wu CQ, Traore EJ, Patil D, Blum E, Cerwinka W, Elmore J, Kirsch AJ, Scherz H, Smith EA. Role of a Preoperative Catheter Regimen in Achieving Early Primary Endoscopic Valve Ablation in Neonates with Posterior Urethral Valves. *The Journal of Urology*. 2021 Feb 3:10-97.

Blum, E, Rolfes, C: Developing the Innovation Mindset, Presented at Engelwood Hospital Anesthesiology Grand Rounds, Virtual 2020

Holzman SA, Grant C, Zee RS, Rana MS, Sprague B, Blum E, Rushton HG. High incidence of abnormal imaging findings in circumcised boys diagnosed with urinary tract infections. *Journal of Pediatric Urology*. 2020 Oct 1;16(5):560-5.

Blum E, Bhargava H: The PPE Crisis: Strategies for Meeting a Critical Need in a Pandemic -- PART 1 Podcast Medscape Education Infectious Diseases, Virtual 2020, www.medscape.org/viewarticle/930612_sidebar1 Blum ES, Kern NG, and Rushton HG. "Imaging of Urinary Tract Prior to Reconstruction." *Surgical Techniques in Pediatric and Adolescent Urology*. Ed. Gundeti, M.S.: Jaypee Brothers, Medical Publishers Pvt. Limited, 2019. Print.

Bilgutay AN, Hua H, Edmond M, Blum ES, Smith EA, Elmore JM, Scherz HC, Garcia-Roig M, Kirsch AJ, Cerwinka WH. Opioid utilization is minimal after outpatient pediatric urologic surgery. *J Pediatr Urol*. 2019 Oct 31;S1477-5131(19)30341-9. doi: 10.1016/j.jpuro.2019.10.021. [Epub ahead of print]. PMID: 31784376.

Jackson KG, Malphrus EL, Blum E, Kalloo NB, Finkel JC. Pupillometric assessment of dysautonomia in pediatric bowel and bladder dysfunction: a pilot study. *J Pediatr Urol*. 2019;15(3):226.e1-226.e5. doi:10.1016/j.jpuro.2019.02.015

Blum E: Artificial Intelligence and Machine Learning in Urology; Presented at Emory Advances in Urology Course, Atlanta, GA December 2018

Blum ES, Porras AR, Biggs E, Tabrizi PR, Sussman RD, Sprague BM, Shalaby-Rana E, Majd M, Pohl HG, Linguraru MG. Early detection of ureteropelvic junction obstruction using signal analysis and machine learning: A dynamic Solution to a dynamic Problem. *The Journal of Urology*. 2018 Mar;199(3):847-852

Sussman RD, Blum ES, Sprague BM, Majd M, Rushton HG, Pohl HG. Prediction of Clinical Outcomes in Prenatal Hydronephrosis: Importance of Gravity Assisted Drainage. *The Journal of Urology*. 2017; 197 (3 Pt 2) : 838-844.

Talari, H, Monfaredi, R, Wilson, E, Blum, E, Bayne, C, Peters, C, Zhang, A, Cleary, K, Robotically assisted ureteroscopy for kidney exploration Proc. SPIE 10135, *Medical Imaging 2017: Image-Guided Procedures, Robotic Interventions, and Modeling*, 1013512 (March 3, 2017); doi:10.1117/12.2253862.

Porras, A, Blum, E, Tabrizi, P, Pohl, H., Linguraru, M: Early Detection of Ureteropelvic Obstruction from Diuretic Renograms, Podium presentation: 3rd Annual Joseph E. Robert, Jr. Academic Day Symposium: Washington, DC 2016.

- Blum, E, Rushton, H, Belman, B : The Crochet Hook: An Alternative Technique for the Management of Anterior Urethral Valve, Podium presentation: Society for Fetal Urology Fall Congress: Dallas, TX 2016
- Sussman, R, Blum, E, Sprague, B, Majd, M, Rushton, H, Pohl, H: Prediction of Clinical Outcomes in Prenatal Hydronephrosis: What Data Can Be Gleaned From Initial Diuresis Renography?. Presented at 2016 Society of Pediatric Urology Annual Meeting; San Diego, CA. 2016.
- Cleary, K, Monfaredi, R, Blum, E. Robotically-Assisted Ureteroscopy. Presented at The 8th National Center for Image Guided Therapy and NIH Image Guided Therapy Workshop; Bethesda, MD. 2016.
- Blum, E, Daristotle, J, Srinivasan, P, Behrens, A, Lee, N, Kofinas, P, and Sandler, A : Solution Blow Spinning: A Novel Pre-Clinical Surgical Sealant for Bowel Anastomoses, Podium presentation: 2nd Annual Joseph E. Robert, Jr. Academic Day Symposium: Washington, DC 2015.
- Blum, E and Burks, F: Noninvasive Bladder Cancer: Diagnosis and Management; Clin Outcomes Manage 2014 Sep;21(9):409-418
- Blum, E and Korman, H. Bladder Cancer. In: Stephen Leslie. Urology Board Review: Pearls of Wisdom. NY: McGraw Hill Professional; 2013: 431-440.
- Bartley, J, Blum, E, Sirls, L and Peters, K. "Understanding Clinic Options for Overactive Bladder." Current urology reports (2013): 1-8.
- Blum, E, McLennan, G, Bartley, J, Sirls, L, Killinger, K, Boura, J/ McLennan, G; Presentation of Vaginal Mesh Exposure After Transvaginal Prolapse Repair With Elevate And Prolift Systems, Podium presentation: AUA North Central Section meeting 2013
- Blum, E, Wenzler, D, Parslow, J, Wojno, K, Krauss, D, Venuturumilli, P, Balaraman, S, Hollander, J, Korman, H, ./ Blum, E. Does Utilization Of A Prostate Multidisciplinary Clinic In The Community Setting Change Treatment Or Referral Patterns? Podium presentation: Michigan Urologic Society 2013 and AUA North Central Section meeting 2013
- Blum, E, McLennan, G, Sirls L, Killinger K, Boura J/ Blum E; Management of Vaginal Mesh Exposure After Transvaginal Prolapse Repair With Elevate And Prolift Systems, Podium presentation: Michigan Urologic Society 2012, AUA North Central Section meeting 2012, AUA Annual meeting 2013.
- Blum, E., Rutledge, K., Conboy, A., Elf, S., Agusti, C., McBride, A.E./ McBride, A.E.. (2004, March). Functional Conservation of the HMT1 Arginine Methyltransferase and an RNA-binding Protein Substrate in *Candida albicans*. Poster presented at: The 7th Conference on *Candida* and Candidiasis; Austin, TX.
- Blum, E., Elf, S., Agusti, C. and McBride, A./ Blum, E.. (2004, May). Conservation and Function of the HMT1 Arginine Methyltransferase Gene in *Candida albicans*. Poster presented at: American Society for Microbiology 104th General Meeting; New Orleans, LA.
- McBride AE, Zurita-Lopez C, Regis A, Blum E, Conboy A, Elf S, Clarke S. "Protein arginine methylation in *Candida albicans*: role in nuclear transport." *Eukaryot Cell*. 2007 Jul;6(7):1119-29. Epub 2007 May 4.
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