

CURRICULUM VITAE
JASON M. SHAPIRO, MD, FAAP, AGAF

Division of Pediatric Gastroenterology,
Nutrition and Liver Diseases
Hasbro Children's Hospital/
Rhode Island Hospital
Multiphasic Building, Room 132
593 Eddy Street
Providence, Rhode Island 02903
Office: (401) 444-8306
Fax: (401) 444-8748
jshapiro@lifespan.org

EDUCATION

Undergraduate	2001 University of Vermont, Burlington, Vermont B.A in Biology, minor in Chemistry Graduated <i>cum laude</i> , Dean's List, 1997-2001 John Dewey Scholar, Honors Thesis in Neuroscience
Medical School	M.D. 2005 University of Vermont College of Medicine, Burlington, Vermont Member, Alpha Omega Alpha

POSTGRADUATE TRAINING

Residency	Intern and Resident, Department of Pediatrics Hasbro Children's Hospital/Rhode Island Hospital The Warren Alpert Medical School of Brown University Providence, Rhode Island July 2005 – June 2008
Fellowship	Fellow in Pediatric Gastroenterology, Hepatology and Nutrition, Division of Pediatric Gastroenterology, Nutrition and Liver Diseases, Hasbro Children's Hospital/Rhode Island Hospital, The Warren Alpert Medical School of Brown University, Providence, Rhode Island July 2008 – June 2011

POSTGRADUATE HONORS AND AWARDS

2024 Invited to co-author a State-of-the-Art Review of Inflammatory Bowel Diseases by Editor of British Medical Journal (BMJ, IF 107.7). To be published 2025.

2023 Top Doctor, Rhode Island Monthly

2022 Guest Editor, Rhode Island Medical Journal

2022 Top Doctor, Rhode Island Monthly

2021 Top Doctor, Rhode Island Monthly

2020 Top Doctor, Rhode Island Monthly

2020 Fellow, American Gastroenterological Association (AGAF).

2018 Rising Healthcare Leader in Inflammatory Bowel Disease, New England Chapter Medical Advisory Committee of Crohn's and Colitis Foundation. Award presented June 14, 2018.

Abstract Selected by American Gastroenterological Association for Platform Presentation at 2018 Digestive Diseases Week in Washington, D.C.

First Place Scientific Abstract, 25th Annual Lifespan Research Symposium. November 1, 2017.

Invited Attendee and Clinical Presenter, Pediatric Inflammatory Bowel Disease Centre of Excellence Program. Sick Kids Hospital, University of Toronto. March 31-April 1, 2017.

Discussant, Case Records from the Massachusetts General Hospital for the New England Journal of Medicine. Presented at Annual Harvard Pediatric CME Course November 30, 2017.

National Institutes of Health Pediatric Loan Repayment Program Award. \$70,000 towards student loans to continue IBD-focused research. 2015-2017, renewal 2017-2019.

Bright Lite Nominee. Hasbro Children's Hospital. 2013.

National Institutes of Health, NIDDK. Travel Grant to attend the single topic symposium, "Discovering the Future of Pediatric Inflammatory Bowel Disease Care" at North American Society of Pediatric Gastroenterology, Hepatology and Nutrition annual meeting. October 2012.

North American Society of Pediatric Gastroenterology, Hepatology and Nutrition, Teaching and Tomorrow Travel Grant, October 2007.

American Academy of Pediatrics Resident Scholarship, 2006.

Alpha Omega Alpha, 2005, University of Vermont College of Medicine.

Freeman Scholarship, 2004, University of Vermont College of Medicine.

John Dewey Scholar, 2001, University of Vermont. Thesis entitled Astrocyte Damage and Niemann-Pick Type C Disease.

Phi Beta Kappa, 2000, University of Vermont. One of four members of the class of 2001 to be inducted during junior year.

Golden Key National Honor Society, 1999, University of Vermont.

Simon Family Scholarship, 1997-2001, University of Vermont.

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Rhode Island Department of Health
(Certificate #MD12750, July 9, 2008)

American Board of Pediatrics
General Pediatrics
(Certificate # 093195, October 27, 2008)

American Board of Pediatrics
Pediatric Gastroenterology, Hepatology and Nutrition
(Certificate # 1246, November 15, 2011)

ACADEMIC APPOINTMENTS

Associate Professor of Pediatrics, Clinician Educator
The Warren Alpert Medical School of Brown University, July 2019-Present.

Associate Professor of Medicine, Clinician Educator
The Warren Alpert Medical School of Brown University, July 2019-Present.

Assistant Professor of Medicine, Clinician Educator
The Warren Alpert Medical School of Brown University, July 2015-June 2019

Assistant Professor of Pediatrics, Clinician Educator
The Warren Alpert Medical School of Brown University, July 2011-June 2019

HOSPITAL APPOINTMENTS

Associate Chair, Lifespan Institutional Review Board. Rhode Island Hospital. June 2023 – Present.

Director of Research, Division of Pediatric Gastroenterology, Nutrition and Liver Diseases
Hasbro Children’s Hospital, January 2020- Present.

Director, Pediatric Inflammatory Bowel Disease Center
Hasbro Children’s Hospital, January 2018 – Present.

Attending Physician, Division of Pediatric
Gastroenterology, Nutrition and Liver Diseases,
Rhode Island Hospital/Hasbro Children’s Hospital, July 2011-Present.

Consulting Physician, Department of Pediatrics,
Women&Infants Hospital of Rhode Island, July 2011-Present.

OTHER APPOINTMENTS

American Gastroenterological Association. Abstract Review Committee for Digestive Diseases
Week (DDW), Section on Microbiome and Infectious Diseases. December 2023.

Department of Defense Congressionally Directed Medical Research Program (CDMRP), Peer-Reviewed Medical Research Program (PRMP). Chair, Inflammatory Bowel Disease Grant Review Panel. October 2023.

American Gastroenterological Association. Abstract Review Committee for Digestive Diseases Week (DDW), Section on Microbiome and Infectious Diseases. December 2022.

Department of Defense Congressionally Directed Medical Research Program (CDMRP), Peer-Reviewed Medical Research Program (PRMP). Clinical Trials-Gastrointestinal Diseases. October 2022.

Department of Defense Congressionally Directed Medical Research Program (CDMRP), Peer-Reviewed Medical Research Program (PRMP). Clinical Trials for Inflammatory Bowel Disease. Invited Reviewer. October 2021.

Department of Defense Congressionally Directed Medical Research Programs (CDMRP), Peer-Reviewed Medical Research Program (PRMRP). Invited Reviewer. June 2021.

National Institutes of Health, Special Emphasis Panel for Basket Clinical Trials of Drugs Targeting Shared Molecular Etiologies in Multiple Rare Diseases. February 2020.

National Institutes of Health, Rare Diseases Clinical Research Consortia Study Section. February 2019.

Loan Repayment Program (LRP) Ambassador, National Institutes of Health Division of Loan Repayment, January 2017-Present.

Chairman, Professional Outreach Committee, New England Chapter of Crohn's and Colitis Foundation of America, June 2016-Present.

Crohn's and Colitis Foundation of America (CCFA), Regional Chapter Medical Advisory Committee, Elected 2015-Present.

Peer Reviewer for Inflammatory Bowel Diseases, Digestive Diseases and Sciences, Journal of Pediatric Gastroenterology, Hepatology and Nutrition, Pediatrics, Clinical and Translational Gastroenterology, Clinical Gastroenterology and Hepatology, Journal of Crohn's and Colitis, JPGN Reports.

HOSPITAL COMMITTEES

Associate Chair, Lifespan IRB1. Rhode Island Hospital. June 2023-Present.

Lifespan Institutional Review Board, Rhode Island Hospital and Hasbro Children's Hospital. March 2022- Present.

Pediatric Gastroenterology Fellowship Research Committee. Division of Pediatric Gastroenterology, Nutrition and Liver Diseases. Warren Alpert Medical School of Brown University, February 2012 – Present.

Observed Structured Clinical Examination (OSCE). Faculty reviewer of third year medical students at Warren Alpert Medical School of Brown University. July 2011-Present.

Faculty Search Committee, Division of Pediatric Gastroenterology, Nutrition and Liver Diseases. Warren Alpert Medical School of Brown University. January 2015 – February 2015.

Fellowship Curriculum Taskforce, Fellowship in Pediatric Gastroenterology, Nutrition and Liver Diseases. Warren Alpert Medical School of Brown University, April 2010- 2011.

Faculty Search Committee. Division of Pediatric Hematology and Oncology. Warren Alpert Medical School of Brown University. April 2014 – October 2014.

Fellowship Committee, Fellowship in Pediatric Gastroenterology, Nutrition and Liver Diseases. Warren Alpert Medical School of Brown University, July 2008- June 2012.

MEMBERSHIP IN SOCIETIES

Society for Pediatric Research (SPR), elected November 2020.

Crohn's and Colitis Foundation (CCF), December 2013- Present.

American Gastroenterological Association (AGA), April 2012 – Present.
Elected Fellow of AGA in 2020.

North American Society for Pediatric Gastroenterology, Hepatology and Nutrition (NASPGHAN), July 2008 – Present.

American Academy of Pediatrics (AAP), July 2005 – June 2011.

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **Shapiro J**, Kawatu D, Bancroft B, LeLeiko N. Inflammatory Bowel Disease in Pediatrics. *Medicine and Health Rhode Island* 2009 Apr;92(4):135, 145-7. PMID: 19452758.
2. LeLeiko N, Lobato D, Hagin S, McQuaid E, Seifer R, Kopel S, Boergers J, Nassau J, Soursa K, **Shapiro J**, Bancroft B. Rates and Predictors of Oral Medication Adherence in Pediatric IBD Patients. *Inflammatory Bowel Diseases* 2013; 19(4):832-9. PMID: 23446336.
3. LeLeiko NS, Lobato D, Hagin S, Hayes C, McQuaid EL, Seifer R, Kopel SJ, Boergers J, Nassau J, Soursa K, **Shapiro J**, Bancroft B. 6-Thioguanine Levels in Pediatric IBD Patients: Adherence is More Important Than Dose. *Inflammatory Bowel Diseases* 2013; 19(12):2652-8. PMID: 24105391.
4. Reed-Knight B, Lobato D, Hagin S, McQuaid E, Nassau J, Boergers J, Seifer R, Soursa K, Bancroft B, **Shapiro J**, LeLeiko, N. Depressive Symptoms in Youth with Inflammatory Bowel Disease Compared to a Community Sample. *Inflammatory Bowel Diseases* 2014;20(4):614-20. PMID: 24518604.

5. Saha S, Zhao YQ, Shah SA, Degli-Esposti SD, Lidofsky S, **Shapiro J**, Bright R, Law M, Moniz H, Samad Z, Merrick M, Sands B. Body Image Dissatisfaction in Patients with Inflammatory Bowel Disease. *Inflammatory Bowel Diseases* 2015;21(2):345-52. PMID: 25569736.
6. Krishnarao A, de Leon L, Bright R, Moniz H, Law M, LeLeiko N, Sands BE, Merrick M, Flowers N, **Shapiro J**, Wallenstein S, Giacalone J, Shah SA. Testing for *Clostridium difficile* in Patients with Newly Diagnosed Inflammatory Bowel Disease in a Community Setting. *Inflammatory Bowel Diseases* 2015;21(3):564-9. PMID: 25581825.
7. Townsend P, Zhang Q, **Shapiro JM**, Webb-Robertson BJ, Bramer L, Schepmoes AA, Weitz KK, Mallette M, Moniz H, Bright R, Kamphaus T, Shah SA, Sands BE, LeLeiko NS. Serum Proteome Profiles in Stricturing Crohn's Disease: A Pilot Study. *Inflammatory Bowel Diseases* 2015;21(8):1935-41. PMID 26199992.
8. **Shapiro JM**, Cho JH, Sands BE, LeLeiko NS. Bridging The Gap Between Host Immune Response and Intestinal Dysbiosis in Inflammatory Bowel Disease: Does Immunoglobulin A Mark the Spot? *Clinical Gastroenterology and Hepatology* 2015;13(5):842-46. PMID: 25725444.
9. **Shapiro JM**, Kerur B. Do Orally Administered Immunoglobulin-Based Agents Represent the Future of IBD Therapeutics? *Digestive Diseases and Sciences* 2015;60(11):3155-7. PMID 26182902.
10. Uysal S, Kerur B, **Shapiro JM**, Snelling LK, Quintos JB. Acute Erosive Esophagitis as a Rare Complication of Severe Pediatric Diabetes Ketoacidosis. *Journal of Pediatric Gastroenterology and Nutrition* 2016;62(4):e38-9. PMID: 27010401.
11. **Shapiro JM**, Subedi S, Machan JT, Cerezo CS, Ross AR, Shalon LB, Silverstein JA, Herzlinger MI, Kasper V, LeLeiko NS. Durability of Infliximab is Associated with Disease Extent in Children with Inflammatory Bowel Disease. *Journal of Pediatric Gastroenterology and Nutrition* 2016;62(6):867-72. PMID 26583483.
12. **Shapiro JM**, Hagin SE, Shah S, Bright R, Law M, Moniz H, Giacalone J, Jackvony T, Taleban S, Samad Z, Merrick M, Sands BE, LeLeiko NS. Corticosteroid Use and Surgery in a Prospective, Community-Based Cohort of Newly Diagnosed Inflammatory Bowel Disease Patients. *Digestive Diseases and Sciences* 2016;61(6):1635-40. PMID 26725063.
13. Grand DJ, Harris A, **Shapiro J**, Wu E, Giacalone J, Sands BE, Bright R, Mallette M, Moniz H, LeLeiko N, Wallenstein S, Samad Z, Merrick M, Shah S. Risk Factors for Radiation Exposure in Newly Diagnosed IBD Patients. *Abdominal Radiology* 2016;41(7):1363-9. PMID 26814500.
14. **Shapiro JM**, Zoega H, Shah SA, Bright R, Mallette M, Moniz H, Grabert SA, Bancroft B, Flowers NT, Lidofsky S, Samad Z, Merrick M, LeLeiko NS, Sands BE. Incidence of Crohn's Disease and Ulcerative Colitis in Rhode Island: Report from the Ocean State Crohn's and Colitis Area Registry (OSCCAR). *Inflammatory Bowel Diseases* 2016;22(6):1456-61. PMID 26926039.

15. Kochar B, Aldridge M, Cook SF, Bright R, Mallette M, Moniz H, Shah SA, LeLeiko NS, **Shapiro J**, Sands BE, Chen W, Jaeger E, Galanko J, Long MD, Martin CF, Sandler RS, Kappelman MD. Achieving Synergy: Linking an Internet Based Inflammatory Bowel Disease Cohort and Multi-Centered Cohort in Inflammatory Bowel Disease. *Journal of Medical Internet Research* 2016; 18(6):e124. PMID 27261008.
16. Hagin S, Lobato DJ, Sands BE, Korzenik JR, Merrick M, Shah SA, Bancroft B, Bright R, Law M, Moniz H, **Shapiro J**, LeLeiko NS. Dietary Behaviors in Newly Diagnosed Youth with Inflammatory Bowel Disease. *Children's Health Care* 2016;45(3):epub.
17. **Shapiro JM**, Subedi S, LeLeiko, NS. Inflammatory Bowel Disease. *Pediatrics in Review* 2016;37(8):337-47. PMID 27482063.
18. **Shapiro JM**, Chung W, Ogawa K, Barker L, Carlson R, Wands JR, Li J. Identification of the Tumor Antigen AF20 as Glycosylated Transferrin Receptor 1 in Complex with Heat Shock Protein 90 and/or Transporting ATPase. *PloS One* 2016;11(11):e0165227. PMID 27802297.
19. Kugathasan S, Denson LA, Walters TD, Kim M, Marigorta UM, Schirmer M, Mondal K, Liu C, Griffiths A, Noe JD, Crandall WV, Snapper S, Rabizadeh S, Rosh JR, **Shapiro JM**, Guthery S; Mack DR, Kellermayer D, Kappelman MD, Steiner S, Moulton DE, Keljo D, Cohen S, Oliva-Hemker M, Heyman MB, Otley AR, Baker S, Evans JS, Kirschner BS, Patel AS, Ziring D, Trapnell BC, Sylvester FA, Stephens MC, Baldassano RN, Markowitz JF, Cho J, Xavier RJ, Huttenhower C, Aronow BJ, Gibson G, Hyams JS, Dubinsky MC. Predicting a Complicated Course for Children Newly Diagnosed with Crohn's Disease: A Multicenter Inception Cohort Study. *Lancet* 2017;389(10080):1710-18. PMID 28259484.
20. LeLeiko NS, Cerezo CS, **Shapiro JM**. New Concepts in Food Allergy: The Pediatric Gastroenterologist's View. *Advances in Pediatrics* 2017;64(1):87-109. PMID 28688601.
21. **Shapiro JM**, Balza R, Virk Hundal NK, Hesterberg PE, Zuckerberg LR, A 9-Day-Old-Girl With Vomiting, Acidosis and Azotemia. *New England Journal of Medicine* 2017;377(4):372-383. PMID 28745994.
22. Kerur B, Machan JT, **Shapiro JM**, Cerezo CS, Markowitz J, Mack DR, Griffiths AM, Otley AR, Pfefferkorn MD, Rosh JR, Keljo DJ, Boyle B, Oliva-Hemker M, Kay MH, Saeed SA, Grossman AB, Sudel B, Kappelman MD, Schaefer M, Tomer G, Bousvaros A, Lerer T, Hyams JS, LeLeiko NS. Biologics Delay Progression of Crohn's Disease, But Not Early Surgery in Children. *Clinical Gastroenterology and Hepatology* 2018;16(9):1467-1473. PMID 29486253.
23. Rebello D, Anjelly D, Grand DJ, Machan JT, Beland MD, Furman MS, **Shapiro J**, LeLeiko N, Sands BE, Mallette M, Bright R, Moniz H, Merrick M, Shah S. Opportunistic Screening for Bone Disease Using Abdominal CT Scans Obtained For Other Reasons in Newly Diagnosed IBD Patients. *Osteoporosis International* 2018;29(6):1359-1366. PMID 29514793.

24. Shaw KA, Cutler DJ, Okou D, Dodd A, Aronow B, Haberman Y, Stevens C, Walters TD, Griffiths A, Baldassano B, Noe JD, Hyams JS, Crandall WV, Kirschner BS, Heyman MB, Snapper S, Guthery S, Dubinsky MC, **Shapiro J**, Otley AR, Denson LA, Kugathasan S, Daly M, Zwick ME. Genetic Variants and Pathways Implicated in a Pediatric Inflammatory Bowel Disease Cohort. *Genes and Immunity* 2019;20(2):131-142. PMID 295933342.
25. Lu S, Herzlinger M, Cao W, Noble L, Yang D, **Shapiro J**, Kurtis J, LeLeiko N, Resnick M. Utility of 15(S)-HETE as a Serologic Marker for Eosinophilic Esophagitis. *Science Reports* 2018;8(1):14498. PMID 30266946.
26. Schmidt E, Suarez-Farinas M, Mallette M, Moniz H, Bright R, Shah SA, Merrick M, **Shapiro J**, Xu F, Sands B, Saha S. A Longitudinal Study of Sexual Function in Women with Newly Diagnosed Inflammatory Bowel Disease. *Inflammatory Bowel Disease* 2019;25(7):1262-1270. PMID 30726913.
27. Schmidt E, Suarez-Farinas M, Mallette M, Moniz H, Bright R, Shah SA, Merrick M, **Shapiro J**, Xu F, Saha S, Sands BE. Erectile Dysfunction is Highly Prevalent in Men with Newly Diagnosed Inflammatory Bowel Disease. *Inflammatory Bowel Disease* 2019;25(8):1408-1416. PMID 30861068.
28. Perler B, Ungaro R, Baird G, Mallette M, Bright R, Shah S, **Shapiro J**, Sands BE. Presenting Symptoms in Inflammatory Bowel Disease: Descriptive Analysis of a Community Based Inception Cohort. *BMC Gastroenterology* 2019;19(1):47. PMID 30940072.
29. Barker DH, **Shapiro JM**, Lobato D, McQuaid EL, LeLeiko NS. Challenges and Approaches to Assessing Medication Adherence in Pediatric Inflammatory Bowel Diseases. *Journal of Pediatric Gastroenterology, Hepatology and Nutrition* 2020;70(6):759-761. PMID 32443027.
30. Fondell AW, Mosha MH, Wright M, Maltz RM, Boyle BM, Niklinska-Schirtz BJ, Kugathasan S, Gibson ME, **Shapiro JM**, Rosenheck SM, Langseder AL, Kennedy MC, Rosh JR, Hyams JS. Similar Long Term Outcomes in Children Presenting with Abscess Versus Phlegmon at Diagnosis of Crohn's Disease. *Crohn's & Colitis* 360 2020;2(3):otaa060.
31. Perler BK, Reinhart EM, Montgomery M, Maynard M, **Shapiro JM**, Belenky P, Chan PA. Evaluation of the Microbiome in Men Taking Pre-exposure Prophylaxis for HIV Prevention. *AIDS Behavior* 2021;25(7):2005-2013. PMID 33394167.
32. Llanos-Chea A, **Shapiro JM**, Winter RW, Jerger L, Menz T, Gibson M, Friedmann AM, Treaba D, Papamichael K, Cheifetz AS, Friedman S, Hamilton MJ, Winter HS. Lymphoma in Children and Young Adults with Pediatric-Onset Inflammatory Bowel Disease Treated With Infliximab Without Prior Exposure to Immunomodulators. *Digestive Diseases and Sciences* 2021, Online ahead of print. PMID 33595782.
33. **Shapiro JM**, de Zoete MR, Palm NW, Laenen Y, Bright R, Mallette M, Bu K, Bielecka AA, Xu F, Hurtado-Lorenzo A, Shah SA, Cho JH, LeLeiko NS, Sands BE, Flavell RA, Clemente

- JC. Immunoglobulin A Targets a Unique Subset of the Microbiota in Inflammatory Bowel Disease. *Cell Host & Microbe* 2021;29(1):83-93.e3. PMID 33385335.
34. Ta AD, Ollberding NJ, Karns R, Haberman Y, Alazraki AL, Hercules D, Baldassano R, Markowitz J, Meyman MB, Kim S, Kirschner B, **Shapiro JM**, Noe J, Oliva-Hemker M, Otley A, Pfefferkorn M, Kellermayer R, Snapper S, Rabizadeh S, Xavier R, Dubinsky M, Hyams J, Kugathasan S, Jegga AG, Dillman JR, Denson LA. Association of Baseline Luminal Narrowing with Ileal Microbial Shifts and Gene Expression Programs and Subsequent Transmural Healing in Pediatric Crohn Disease. *Inflammatory Bowel Diseases* 2021, Online ahead of print. PMID 33452801.
 35. Hajjat T, Mosha M, Whaley K, Rosen MJ, Suppa C, Markowitz J, Dufour L, Sauer C, Shukla-Udawatta, Boyle B, Gibson M, **Shapiro J**, Sams D, Sylvester F, Hunter G, Perez M, Hyams JS. Vedolizumab Experience in Children and Adolescents with Inflammatory Bowel Disease: A Multicenter Observational Study. *Crohn's and Colitis* 360 2021; In Press.
 36. Agrawal S, Uysal S, Fredette M, Topor LS, Bialo SR, Herzlinger M, **Shapiro J**, Snelling LK, Boney CM, Quintos JB. The Incidence of Erosive Esophagitis as a Complication of Pediatric Diabetic Ketoacidosis. *Case Reports Endocrinology* 2021 Mar 5;2021:6636383. PMID 33747574.
 37. Bhuta R, DeNardo B, Wang J, Atoyian J, Zhang Y, Nelson D, **Shapiro J**. Durable Changes in the Gut Microbiome in Survivors of Childhood Acute Lymphoblastic Leukemia. *Pediatric Blood and Cancer* 2021; In Press. PMID 34467651.
 38. Whaley KG, Xiong Ye, Karns R, Hyams JS, Kugathasan S, Boyle BM, Walters TD, Kelsen J, LeLeiko NS, **Shapiro J**, Waddell A, Fox S, Bezold R, Bruns S, Widing R, Haberman Y, Collins MH, Mizuno T, Minar P, D'Haens GR, Denson LA, Vinks AA, Rosen MJ. Multicenter Cohort Study of Infliximab Pharmacokinetics and Therapy Response in Pediatric Acute Severe Ulcerative Colitis. *Clinical Gastroenterology and Hepatology* 2022; Epub ahead of print. PMID 36031093.
 39. Rupawala AH, **Shapiro JM**, Shah SA. Introduction: Updates in Inflammatory Bowel Diseases. *Rhode Island Medical Journal* 2022;105(9):6-7. PMID 36300956.
 40. Subedi S, Behrle Yardley AL, **Shapiro JM**. Inflammatory Bowel Disease in Children and Adolescents. *Rhode Island Medical Journal* 2022;105(10):8-13. PMID 36413445.
 41. Rehman R, Pinkos B, **Shapiro JM**, Cerezo C. Nutritional Management of Inflammatory Bowel Disease. *Rhode Island Medical Journal* 2022;105(10):31-37. PMID 36413449.
 42. Shapiro JM, Rupawala AH, Shah SA. Updates in Inflammatory Bowel Disease, Issue 2. *Rhode Island Medical Journal* 2022;105(10):6-7. PMID 36413444.

43. Shapiro JM, LeLeiko NS, Sands BE, Shah SA. Lessons Learned from the Ocean State Crohn's and Colitis Area Registry. *Rhode Island Medical Journal* 2022;105(10):38-41. PMID 36413450.
44. Gibson M, Subedi S, Barker D, Masur S, Mallette M, Lingannan A, Recinos Soto A, Esharif E, Maxwell S, Riaz M, Herzlinger M, Shalon L, Cerezo C, Kasper V, Ross A, LeLeiko N, **Shapiro JM**. Safety and Durability of Accelerated Infliximab Dosing Strategies in Pediatric IBD: A Single Center, Retrospective Study. *Journal of Pediatric Gastroenterology and Nutrition* 2023; epub ahead of print. PMID 37084343.
45. Livanos AE, Dunn A, Fischer J, Ungaro RC, Turpin W, Lee SH, Rui S, Del Valle DM, Jougon JJ, Martinez-Delgado G, Riddle MS, Murray JA, Laird RM, Torres J, Agrawal M, Magee JS, Dervieux T, Gnjjatic S, Sheppard D, Sands BE, Porter CK, Croitoru K, Petralia F; CCC-GEM Project Research Consortium, **OSCCAR Consortium**; Colombel JF, Mehadru S. Anti-integrin avB6 Autoantibodies Are a Novel Biomarker That Antedate Ulcerative Colitis. *Gastroenterology* 2023;164(4):619-629. PMID 36634824.
46. Riaz MS, Moss SF, **Shapiro JM**, Cerezo C, Herzlinger M. Diagnosis and Treatment Practices for Helicobacter Pylori Infection in an Academic Pediatric Hospital. *Rhode Island Medical Journal* 2023;106(6):35-39. PMID 37368832.
47. Santiago P, Coelho-Prabhu N, Lennon R, Rui S, Rajauria P, Friton J, Raffals LE, Deepali F, Daoud N, Farraye FA, Tuck J, Malik T, LeLeiko N, **Shapiro J**, Shah SA, Sands BE, Ungaro RC. Baseline Clinical Factors Are Associated With Risk of Complications in Crohn's Disease: Appraisal of the American Gastroenterological Association Clinical Care Pathway. *American Journal of Gastroenterology* 2024;119(1):147-154. PMID 37713528.
48. Rehman R, Camhi S, **Shapiro J**, Subedi S, Shalon L. An Adolescent with Undiagnosed Ulcerative Colitis Presenting with Toxic Megacolon and Cavitary Pulmonary Nodules. *Rhode Island Medical Journal* 2024;107(1):21-22. PMID 38166071.
49. Rehman R, Riaz MS, Esharif D, Has P, Herzlinger M, **Shapiro J**, Subedi S. Ustekinumab for anti-Tumor Necrosis Factor Refractory Pediatric Ulcerative Colitis: A Promising Approach Towards Endoscopic Healing. *Intestinal Research* 2024. Epub ahead of print. PMID 38311714.

OTHER PEER-REVIEWED PUBLICATIONS

Shapiro J, LeLeiko, NS. New Guidelines for Diagnosis and Treatment of *C difficile*. *AAP Grand Rounds* 2013; 30(5):60.

BOOKS AND BOOK CHAPTERS

Shapiro JM, LeLeiko NS, Pinkos BA. Enteral Nutrition, In: Wyllie R, Hyams JS, Kay M, eds. *Pediatric Gastrointestinal and Liver Disease*. 5th ed. Philadelphia, PA: Elsevier; 2015;1104-21.

LeLeiko NS, **Shapiro JM**, Cerezo CS, Pinkos BA. Enteral Nutrition, In: Wyllie R, Hyams JS, Kay M, eds. Pediatric Gastrointestinal and Liver Diseases. 6th ed. Philadelphia, PA: Elsevier; 2020;995-1011.

SELECT ABSTRACTS

1. **Shapiro JM**, Carlson RI, Resnick MB, Wands JR. Novel Biomarkers of Colonic Dysplasia. NASPGHAN Annual Meeting, New Orleans, LA, October 23, 2010.
2. **Shapiro JM**, Carlson RI, Resnick MB, Wands JR. Potential New Biomarkers of Colonic Dysplasia in Ulcerative Colitis Screening. Crohn's and Colitis Foundation of America's Advances in Inflammatory Bowel Disease Clinical and Research Conference. Hollywood, FL, December 10, 2010.
3. Hayes C, Hagin S, Lobato D, McQuaid E, Kopel S, Soursa K, Boergers J, Seifer R, Bancroft B, Nassau J, **Shapiro J**, Cai A, LeLeiko N. Patterns of Non-Adherence to Medications in Pediatric Patients with IBD. NASPGHAN Annual Meeting, Orlando, FL, October 20, 2011.
4. Hagin S, Lobato D, **Shapiro J**, Nassau J, McQuaid E, Seifer R, Kopel S, Boergers J, Soursa K, Bancroft B, LeLeiko N. Physical Activity and Health Outcomes in Pediatric Inflammatory Bowel Disease. Crohn's and Colitis Foundation of America's Advances in Inflammatory Bowel Disease Clinical and Research Conference. Hollywood, FL, December 14, 2012.
5. LeLeiko N, Lobato D, Hagin S, Hayes C, McQuaid E, Seifer R, Kopel S, Boergers J, Nassau J, **Shapiro J**, Soursa K, Bancroft B. 6-TGN Levels in Pediatric IBD Patients: Adherence in More Important Than Dose. Crohn's and Colitis Foundation of America's Advances in Inflammatory Bowel Disease Clinical and Research Conference. Hollywood, FL, December 14, 2012.
6. **Shapiro J**, Cerezo C, Silverstein J, Shalon L, LeLeiko N. Intra-abdominal Abscesses in Pediatric Crohn's Disease: Management and Outcomes. Crohn's and Colitis Foundation of America's Advances in Inflammatory Bowel Disease Clinical and Research Conference. Hollywood, FL, December 14, 2012.
7. Herzlinger M, **Shapiro J**, Mukkada M, Cerezo C, Grand D, LeLeiko N. Medical Management of Crohn's Disease Complicated by Enterovesical Fistula and Intra-Abdominal Abscess. NASPGHAN Annual Meeting. Salt Lake City, UT, October 19, 2012
8. Kasper V, **Shapiro J**, Cerezo C, Wallach M, LeLeiko N. Medical Management of Crohn's Appendicitis. NASPGHAN Annual Meeting. Chicago, IL, October 11, 2013.
9. Wu E, Engels M, Grand D, Harris A, Giacalone J, Shah S, **Shapiro J**, LeLeiko N, Bright R, Law M, Moniz H, Merrick M, Sands B. Radiation Exposure to the Abdomen and Pelvis in Patients Newly Diagnosed with Inflammatory Bowel Disease. American College of Gastroenterology Annual Meeting, San Diego, CA, October 13, 2013.

10. Mao E, **Shapiro J**, Giacalone J, Sands B, LeLeiko N, Wallenstein S, Princen F, Singh S, Lockton S, Bright R, Law M, Moniz H, Merrick M, Shah S. Sensitivity, Specificity and Stability of Seromarkers in a Prospective Population-Based Inception Cohort of Newly-Diagnosed Inflammatory Bowel Disease. Oral Presentation, American College of Gastroenterology Annual Meeting, San Diego, CA, October 13, 2013.
11. **Shapiro J**, Hagin S, Sands B, LeLeiko N, Bright R, Law M, Moniz H, Giacalone J, Merrick M, Shah S. Corticosteroid Use in a Prospective, Community-Based Cohort of Newly Diagnosed Inflammatory Bowel Disease Patients. Crohn's and Colitis Foundation of America's Advances in Inflammatory Bowel Disease Clinical and Research Conference. Hollywood, FL, December 15, 2013.
12. Townsend P, Zhang Q, **Shapiro JM**, Webb-Robertson BJ, Bramer L, Schepmoes AA, Weitz KK, Mallette M, Moniz H, Bright R, Kamphaus T, Shah SA, Sands BE, LeLeiko NS. Differential Protein Expression Profiles in Stricturing Crohn's Disease. Digestive Diseases Week, May 15, 2015.
13. Subedi S, **Shapiro J**, Cerezo C, LeLeiko N. Durability of Infliximab is Related to Dose and Disease Extent. NASPGHAN Annual Meeting. Washington DC, October 9, 2015.
14. **Shapiro JM**, Sands BE, Zoega H, Shah SA, Bright R, Mallette M, Moniz H, Merrick M, Samad Z, LeLeiko NS. Incidence of Inflammatory Bowel Disease in Rhode Island: Report from the Ocean State Crohn's and Colitis Area Registry (OSCCAR). NASPGHAN Annual Meeting. Washington DC, October 8, 2015.
15. Ross A, **Shapiro JM**, Kasper V, Menz T, Unnikrishnan N, Renaud T, Montcrieff CJ. Significant Hemorrhage From Endoscopic Biopsies. World Congress of Pediatric Gastroenterology, Hepatology and Nutrition. Montreal, Canada. October 6, 2016.
16. Llanos-Chea A, Winter HS, **Shapiro JM**, Jerger L, Menz T, Friedmann A, Treaba D, Russell GJ. Lymphoma in Pediatric Patients with Inflammatory Bowel Disease Treated with Infliximab and Without Prior Exposure to Immunomodulators. World Congress of Pediatric Gastroenterology, Hepatology and Nutrition. Montreal, Canada. October 7, 2016.
17. Kugathasan S, Denson LA, Walters TD, Kim M, Marigorta UM, Schirmer M, Mondal K, Liu C, Griffiths A, Noe JD, Crandall WV, Snapper S, Rabizadeh S, Rosh JR, **Shapiro JM**, Guthery S; Mack DR, Kellermayer D, Kappelman MD, Steiner S, Moulton DE, Keljo D, Cohen S, Oliva-Hemker M, Heyman MB, Otley AR, Baker S, Evans JS, Kirschner BS, Patel AS, Ziring D, Trapnell BC, Sylvester FA, Stephens MC, Baldassano RN, Markowitz JF, Cho J, Xavier RJ, Huttenhower C, Aronow BJ, Gibson G, Hyams JS, Dubinsky MC. Early Anti-TNF is Effective in Preventing Internal Penetrating but not Stricturing Disease Complications in Children Newly Diagnosed with Crohn's Disease: A Prospective Risk Prediction Model for Disease Behavior Study. Digestive Diseases Week, Chicago April 2017.
18. **Shapiro JM**, Clemente J, Palm N, DeZoete M, Laenen Y, Laenen R, Flavell R, Cho J, Bright R, Mallette M, Moniz H, Amaral K, Xu F, Hurtado-Lorenzo A, Shah S, LeLeiko, N, Sands,

- BE. Immunoglobulin A-Coated Bacteria Represent a Unique Subset of the Microbiome in Patients with Inflammatory Bowel Disease. Abstract selected for platform presentation. Digestive Diseases Week. Washington, D. June 3, 2018.
19. Bhuta R, Denardo B, Renaud T, Wang J, Zhang Y, Nelson D, **Shapiro J**. Prolonged Changes in Gut Microbiome in Pediatric Acute Lymphoblastic Leukemia Survivors. Children's Oncology Group State of the Science Session. Dallas TX, October 2018.
 20. Perler B, Ungaro R, Baird G, Mallette M, Bright R, Shah S, **Shapiro J**, Sands B. Presenting Symptoms in Inflammatory Bowel Disease: Analysis of a Community-Based Inception Cohort. American College of Gastroenterology. Philadelphia PA. October 7, 2018.
 21. Ungaro R, Hu L, Mallette M, Shah S, **Shapiro J**, Sands BE. Medication Prescription Patterns in Ulcerative Colitis in a United States Community Based Inception Cohort. Digestive Diseases Week. San Diego, CA. May 19, 2019.
 22. Hajjat T, Mosha M, Whaley K, Rosen M, Suppa C, Markowitz J, Dufour L, Sauer C, Shukla-Udawatta M, Boyle B, Gibson M, **Shapiro J**, Sams D, Sylvester F, Hunter G, Perez M, Hyams J. Vedolizumab Experience in Children and Adolescents with Inflammatory Bowel Disease: A Multicenter Observational Study (VOLCANO). Digestive Diseases Week. San Diego, CA. May 20, 2019.
 23. Gangaram J, Recinos Soto A, Cerezo C, **Shapiro JM**. Nodular Fasciitis in a Patients with Crohn's Disease. North American Society of Pediatric Gastroenterology, Hepatology and Nutrition Annual Meeting. Chicago, IL. October 18, 2019.
 24. Gibson M, Recinos Soto A, Gangaram J, **Shapiro JM**. Delayed Diagnosis of Crohn's Disease in an Obese Teenager with Cutaneous Manifestations. North American Society of Pediatric Gastroenterology, Hepatology and Nutrition Annual Meeting. Chicago, IL. October 18, 2019.
 25. Recinos Soto A, **Shapiro J**, Bousvaros A, Cerezo C. Pneumatosis Cystoides Intestinalis in a 15-Year-Old Female. North American Society of Pediatric Gastroenterology, Hepatology and Nutrition Annual Meeting. Chicago, IL. October 19, 2019.
 26. Fondell AW, Mosha MH, Wright M, Maltz RM, Boyle BM, Niklinska-Schirtz BJ, Kugathasan S, Gibson ME, **Shapiro JM**, Rosenheck SM, Langseder AL, Kennedy MC, Rosh JR, Hyams JS. High Rates of Surgery Persist for Children Presenting with Internal Penetrating Crohn's Disease: Observations from a Multicenter Study. Digestive Diseases Week. Remote Conference Due to COVID19. May 2020.
 27. McGrew B, Shrivastava A, Fernandes P, Ehsan L, Griffiths A, Otley AR, Patel AS, Kirschner BS, Mack DR, Ziring D, Moulton D, Markowitz J, **Shapiro J**, Hyams J, Dotson J, Rosh JR, Noe J, Olivia-Hemker M, Pfefferkorn MD, Heyman M, Gulati AS, Kellermeyer R, Baldassano R, Kim S, Snapper S, Rabizadeh S, Cohen S, Guthery S, Kugathasan S, Baker SS, Walters T, Payne D, Dillard L, Powers D, Papin J, Denson LA, Syed S. Predicting Biomarkers in

Crohn's Disease Using Contextualized Metabolic Network Model. North American Society of Pediatric Gastroenterology, Hepatology and Nutrition Annual Meeting (Virtual). November 1, 2020.

28. Syed S, Sengupta S, Ehsan L, Bonkowski E, Moskaluk C, Griffiths A, Otley A, Patel A, Kirschner B, Mack D, Ziring D, Moulton D, Markowitz J, **Shapiro J**, Hyams J, Dotson J, Rosh J, Noe J, Oliva-Hemker M, Pfefferkorn M, Heyman M, Gulati A, Kellermeyer R, Baldassano R, Kim S, Snapper S, Rabizadeh S, Cohen S, Guthery S, Kugathasan S, Baker S, Walters T, Denson L. Machine Learning for Crohn's Disease Phenotype Modeling Using Biopsy Images. Digestive Disease Week (Virtual). February 1, 2021.
29. Riaz MS, Esharif D, **Shapiro JM**, Subedi S. Mucosal Healing with Ustekinumab therapy in Anti-TNF Refractory Pediatric Ulcerative Colitis. North American Society of Pediatric Gastroenterology Hepatology and Nutrition. Orlando, Florida. October 14, 2022.
30. Rehman R, **Shapiro J**, Subedi S. Gastric Outlet Obstruction as a Presenting Symptom of Pediatric Crohn's Disease. North American Society of Pediatric Gastroenterology Hepatology and Nutrition. Orlando, Florida. October 15, 2022.
31. Ungaro R, Del Valle D, Petralia F, Rui S, Tuballes K, Barcessat V, Shah S, **Shapiro J**, Sands B, LeLeiko N, Mortha A, Croitoru K, Korzenik J, Colombel JF, Gnjjatic S. Anti-Granulocyte Macrophage-Colony Stimulating Factor Autoantibodies Are Associated with Development of Complications in Recently Diagnosed Crohn's Disease Patients. Oral Presentation at Digestive Disease Week. Chicago, Illinois. May 7, 2023.
32. Rosen M, Rabizadeh S, Panetta J, Mizuno T, Vinks A, Whaley K, Hyams J, Kugathasan S, Boyle B, Walters T, Kelsen J, LeLeiko N, **Shapiro J**, Dervieux T. Infliximab Clearance in Relation to Disease Activity During Induction and Maintenance Therapy of Acute Severe and Ambulatory Pediatric Ulcerative Colitis. Oral Presentation at Digestive Disease Week. Chicago, Illinois. May 8, 2023.
33. Wong S, Lange M, Rozenberg F, Rui S, Shah S, LeLeiko N, **Shapiro J**, Ungaro R, Colombel JF, Sands B. Biomarkers Associated with Perianal Crohn's Disease: A Community-Based Study. Digestive Disease Week. Chicago, Illinois. May 8, 2023.

INVITED PRESENTATIONS

International

1. Clinical case presentation. Pediatric Inflammatory Bowel Disease Centre of Excellence Program. Sick Kids Hospital, University of Toronto. April 1, 2017.

National

1. Updates from the Ocean State Crohn's and Colitis Area Registry (OSCCAR). Crohn's and Colitis Foundation of America Research Strategy Meeting. New York, New York. April 7, 2016.

2. Invited discussant, Case Records from the Massachusetts General Hospital for the New England Journal of Medicine. Diagnostic approach to infants with Food Protein Induced Enterocolitis Syndrome (FPIES). Presented at Harvard Pediatric CME Course. Marriott Long Wharf Hotel. Boston, Massachusetts. November 30, 2016.
3. Immunoglobulin A-Coated Bacteria Represent a Unique Subset of the Microbiome in Patients with Inflammatory Bowel Disease. Platform presentation. Digestive Diseases Week. Washington, DC. June 3, 2018.
4. Academic Pediatric Gastroenterology. Medical School Headquarters Podcast, Session 108. Recorded August 5, 2019.
5. Pediatric Inflammatory Bowel Disease: Reflections and Priorities. Lucille Packard Children's Hospital, Stanford University. In Person Lecture, July 22, 2022.

Regional

1. Inflammatory Bowel Disease in Pediatrics. Housestaff Lecture, University of Vermont College of Medicine/Vermont Children's Hospital, August 31, 2010.
2. The Delicate Balance of Gut Inflammation: Inflammatory Bowel Disease and Necrotizing Enterocolitis. 7th Annual Neonatal~Pediatric Gastroenterology Summit, Crowne Plaza, Warwick, Rhode Island, March 22, 2012.
3. Congenital Diarrhea in a Neonate. Clinico-Pathologic Conference. Women and Infants Hospital, Division of Neonatology. Providence, Rhode Island November 21, 2012.
4. Pediatric IBD: What Parents Need to Know. Crohn's and Colitis Foundation of America. Rochambeau Library, Providence, Rhode Island December 2, 2013.
5. Novel Mechanisms of Immunopathogenesis in IBD: Updates from the Ocean State Crohn's and Colitis Area Registry (OSCCAR). Gastroenterology Grand Rounds, Rhode Island Hospital, Providence, Rhode Island December 17, 2015.
6. Invited Speaker, Northeast Regional IDeA Conference (NERIC). Platform Presentation entitled, Immunoglobulin A-Coated Bacteria Represent a Unique Subset of the Microbiome in Patients with Inflammatory Bowel Disease, Burlington, Vermont. August 17, 2017
7. Keynote Speaker, Brown University Pediatric Scholarship Celebration. Pediatric IBD: Updates from The Ocean State Crohn's and Colitis Area Registry (OSCCAR). September 12, 2017.
8. Featured Speaker, Crohn's and Colitis Foundation Rhode Island Take Steps Kick Off Event and IBD Education Program. September 17, 2017.
9. Dartmouth Hitchcock Department of Pediatrics Noon Conference. A Potpourri of IBD. September 27, 2017.

10. Crohn's and Colitis Young Professionals Meeting. IBD Updates for the CCF Young Professionals. Somerville, Massachusetts. March 28, 2018.
11. Lifespan President's Pursuit of Excellence Meeting. Pediatric Inflammatory Bowel Disease Center at Hasbro Children's Hospital. April 20, 2018.
12. Keynote Speaker, Massachusetts General Hospital IBD Educational Symposium. Boston, Massachusetts. March 15, 2020. Postponed due to COVID19.
13. Emerging Trends in Inflammatory Bowel Disease. Crohn's and Colitis Young Professional's Education Event. June 25, 2020.
14. Bugs, Drugs and Dirty Rugs: Updates on the Immuno-Microbial Pathogenesis of Pediatric Inflammatory Bowel Disease. Pediatric Grand Rounds, Hasbro Children's Hospital. April 2, 2021.
15. Gut Check: Get the Facts on IBD. Public Health Outloud, Rhode Island Department of Health Podcast. January 7, 2022.
16. America Gastroenterological Association's Research Forum on Food Intolerances, Allergy and Sensitivities. Session Moderator at Digestive Disease Week. Chicago, Illinois. May 6, 2023.
17. Hasbro Children's Hospital Department of Pediatrics Research Seminar. Updates in Pediatric Inflammatory Bowel Disease: A Journey Across Registries and Time. November 14, 2023 (Zoom).

GRANTS

1. Vitamin A Metabolic Potential of Human Gut Microbiome in Health and Disease. Brown University Seed Award (PI Vaishnav, PI Shapiro)
\$100,000/year June 30, 2024-June 30, 2025
2. Clinical, Imaging, and Endoscopic Outcomes of Children Newly Diagnosed with Crohn's Disease (CAMEO). NIDDK U01DK134356
\$2,799,999 Total Funding April 7, 2023 – April 7, 2028
Hyam, J (PI at CCMC), Shapiro JM (Site PI RIH), Subedi S (Co-site PI RIH).
3. Clinical, Imaging, and Endoscopic Outcomes of Children Newly Diagnosed with Crohn's Disease (CAMEO). NIDDK 1U34DK126638-01A1
\$391,223 Total Funding September 7, 2021-March 31, 2023
Hyam, J (PI at CCMC), Shapiro JM (Site PI RIH), Subedi S (Co-site PI RIH).
4. Cohort for Pediatric Translational and Clinical Research (CAPTURE IBD): A Multicenter, Prospective Study.
Crohn's and Colitis Foundation. \$60,000/year. January 1, 2021-December 31, 2026
Shapiro JM (Site PI), Subedi S (Co-PI).

5. Assessing Durable Treatment Response and Safety of Infliximab in Children with Inflammatory Bowel Disease: A Follow up Study and Justification for the Development of a Prospective Pediatric IBD REDCap Database. \$20,000 Pilot Award 6/1/2020-5/31/2021. Subedi S (PI) and Shapiro J (Mentor).
6. Changes in Gut Microbiome in Pediatric Acute Lymphoblastic Leukemia Survivors. \$20,000 Pilot Award from Hasbro Children's Hospital Tomorrow Fund (Grant #15836). 1/2017-12/31/2018.
7. Ocean State Crohns and Colitis Area Registry (OSCCAR). CDC/CCFA U01-DP004785-02, PI: Bruce Sands, Rhode Island Hospital PI: Shapiro, \$452,978/year, 9/28/2015-9/29/2018.
8. Immunoglobulin A as a Novel Biomarker of Intestinal Dysbiosis in Patients with Inflammatory Bowel Disease, COBRE Immune Based Interventions Against Infectious Diseases Pilot Grant (PI: Shapiro), \$50,000 6/1/2016-5/31/2017.
9. NIH Ruth L. Kirschstein National Research Service Award. T32DK060415-10 (PI: Wands). 1/1/2010 – 12/31/2012.

UNIVERSITY TEACHING ROLES

Hasbro Children's Hospital Pediatric Residency Advisor, 2013-Present. Past Mentees include Colleen Gerrity, MD; Timothy Menz, MD; John Butler, MD.

Hasbro Children's Hospital Pediatric Gastroenterology Fellowship Research Mentor/Supervisor, 2011-Present. Past Mentees include Michael Herzlinger, MD; Peter Townsend, MD; Vania Kasper, MD; Shova Subedi, MD; Navneetha Unnikrishnan, MD; Timothy Menz, MD; Basavaraj Kerur, MD, Megan Gibson, MD, Dyadin Esharif, MD, Safwan Riaz, MD.

Member of Scholarship Oversight Committee for Roma Bhuta, MD, Fellow in Pediatric Hematology and Oncology. 2016-2018.

Member of Graduate Thesis Committee for Master of Statistics Candidate, Marisa Millenson, 2016-2017.

HOSPITAL TEACHING ROLES

Outpatient, Inpatient and Endoscopy Supervisor for Pediatric Gastroenterology Fellows, Division of Pediatric Gastroenterology, Nutrition and Liver Diseases, Alpert Medical School of Brown University, 2011-Present.

Pediatric Gastroenterology Fellow Core Curriculum. Multiple lectures presented on basic GI physiology and pathophysiology presented each year. Topics have included Infectious Diarrhea, GI Embryology, Neonatal Cholestasis, Mucosal Immunology. July 2011 – Present.

Pediatric GI Journal Club. Multiple presentations per year. July 2008 – Present.

Pediatric Resident Noon Conference, Pediatric Inflammatory Bowel Disease. Annual lecture. July 2008 – Present.

Liver Research Center. Have presented research updates and multiple journal club presentations. January 2010 – Present.