## **CURRICULUM VITAE**

## December 9, 2020

**PERSONAL INFORMATION**

## Name: Adam L. Edwards

Citizenship: United States

Office Address: Division of Gastroenterology and Hepatology

 Department of Medicine

 University of Alabama at Birmingham

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 Birmingham, AL 35294-0012

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**ACADEMIC & CLINICAL APPOINTMENTS**

July 2018 - Present Assistant Professor, Division of Gastroenterology & Hepatology,

Department of Medicine, School of Medicine, University of Alabama at Birmingham

July 2018 - Present Assistant Section Chief, Gastroenterology & Hepatology Section,

Birmingham VA Medical Center

**EDUCATION & TRAINING**

6/2001 Bachelor of Science, *summa cum laude,* Biology, Samford University

12/2004 Master of Science, Biology, Florida International University

6/2011 Doctor of Medicine, *summa cum laude,* University of Alabama School of

Medicine

6/2011 – 5/2014 Internal Medicine, University of Alabama at Birmingham, Tinsley

 Harrison Residency Program

6/2014 – 6/2015 Chief Medicine Resident, University of Alabama at Birmingham, Tinsley

 Harrison Residency Program

7/2015 – 6/2018 Fellow, Division of Gastroenterology & Hepatology, Department of

Medicine, University of Alabama at Birmingham

**LICENSURE/CERTIFICATION**

7/25/12 – Current Alabama Medical License #MD.31825

7/25/12 – Current Alabama Controlled Substances Certificate #ASCS.31825

8/28/12 - Current DEA Controlled Substance Registration Certificate #FE3456010

10/1/14 – Current American Board of Internal Medicine, Internal Medicine #354190

11/28/218 – Current American Board of Internal Medicine, Gastroenterology #354190

**PROFESSIONAL EXPERIENCE**

9/2005 – 6/2007 Environmental Scientist, Alabama Department of Environmental

Management

**AWARDS AND HONORS**

2/2020 Selected to participate in the biennial 2020 AGA-AASLD Academic Skills Workshop, Charlotte, NC

10/2019 Top 20% UAB Medicine Provider, Provider Communication, UAB Medicine Office of Patient Experience

10/2018 Poster of Excellence, United European Gastroenterology Week, Vienna, Austria

5/2017 3rd Quarter American College of Gastroenterology 2016-2017 Question of the Week Winner

2/2017 – 3/2017 UAB Clinical Investigator Training Program

6/2016 UAB Medicine Mini-Quality Academy

8/2014 **Tinsley Harrison Scholar** Ward Attending, University of Alabama at Birmingham Hospital

5/2014 **Teaching Resident of the Year**, 2013-2014, Ben Friedman Award for Excellence in Teaching by a Resident, UAB Department of Medicine

5/2014 Highest PGY-3 ACP In-Training Exam Score 2013-2014 (99th National Percentile Rank), UAB Department of Medicine

5/2014 Kaizen IM Best Performer 2013-204, University of Alabama at Birmingham, Tinsley Harrison Residency Program

2/2014 Selected by General Internal Medicine Division Director to be Singular Representative for UAB at Southern Society for Clinical Investigation Chairs/Residents Forum, New Orleans, LA

5/2013 **Teaching Resident of the Year**, 2012-2013, Ben Friedman Award for Excellence in Teaching by a Resident, UAB Department of Medicine

5/2013 Highest PGY-2 ACP In-Training Exam Score 2012-2013 (96th National Percentile Rank), UAB Department of Medicine

5/2012 **Intern of the Year**, 2011-2012, Birmingham VA Medical Center

9/2011 C. Glenn Cobbs Award for Excellence, Birmingham VA Medical Center

5/2011 Hugh J. Dempsey Memorial Award for Academic Excellence (**Valedictorian Award**), University of Alabama School of Medicine

5/2011 Tinsley Harrison Award for **Best Medical Student** in Internal Medicine,

University of Alabama School of Medicine

5/2011 The Endocrine Society Medical Student Achievement Award, University

of Alabama School of Medicine

5/2011 Battle S. Searcy Memorial Award for Best Medical Student in Psychiatry and Behavioral Neurobiology, University of Alabama School of Medicine

5/2011 Academic Achievement Award, Clinical Curriculum, University of Alabama School of Medicine

6/2010 **Alpha Omega Alpha** Honor Medical Society, Junior Inductee

4/2009 The Gold Humanism Honor Society, Inductee

2/2009 2009 Southern Society of Pediatric Research/Ambulatory Pediatric Association Trainee Travel Award

11/2008 Outstanding Poster Presentation, University of Alabama School of Medicine, Medical Student Research Day

8/2008 Clarence Long Memorial Medical Scholarship, University of Alabama School of Medicine

6/2008 Russell Cunningham Memorial Pediatric Research Scholar, University of Alabama School of Medicine

6/2008 McGraw-Hill/LANGE Medical Student Award

5/2005 Honor Society of Phi Kappa Phi, Inductee

6/2002 Julia F. Morton Award for Outstanding Poster Contribution, Society for Economic Botany, Annual Meeting

8/2001 Presidential Fellowship, Florida International University

5/2001 John Howard Scholarship in Biology Medal, Samford University

8/1997 National Merit Scholarship, Samford University

**PROFESSIONAL ORGANIZATION MEMBERSHIP**

2020 – Present Southern Society for Clinical Investigation

2020 – Present Society of Bedside Medicine

2019 – Present Medical Association of the State of Alabama

2017 – Present Alabama Gastroenterological Society

2015 – Present American College of Gastroenterology

2015 – Present American Gastroenterological Association

2015 – Present American Society for Gastrointestinal Endoscopy

2010 – Present Alpha Omega Alpha Honor Medical Society

2009 – Present The Gold Humanism Honor Society

2011 – Present American College of Physicians

2015 – 2018 American Association for the Study of Liver Diseases

2007 – 2015 American Medical Association

**LEADERSHIP AND SERVICE**

*NATIONAL*

Oct 2020 Abstract Reviewer, 2021 Southern Regional Meeting, Southern Society for Clinical Investigation. Reviewed 39 abstracts.

May 2019 - Present Member, American Society for Gastrointestinal Endoscopy Digestive

Disease Week Video Plenary and World Cup Committee

Aug 2019 - Apr 2020 American College of Gastroenterology Young Physician Leadership Scholars Program

*INSTITUTIONAL*

Oct 2020 Committee Member, UAB Department of Medicine Professional Expense and Professional Development Guidelines. Developed a draft proposal for DOM. Chair: C. Estrada

July 2020 - Present GI Fellowship Site Coordinator, Birmingham VA Medical Center

Mar 2020 Judge, 2020 UAB DOM Trainee Research Symposium

Feb 2020 - Present Co-Director, UAB Division of Gastroenterology & Hepatology GI Clinical Research Studios (GI-CRS)

July 2019 - Present Participant, Birmingham VA Hospital GI Tumor Board

Nov 2018 - Present Member, Enhanced Clinical Skills Steering Committee, UAB Internal Medicine Residency Program

Oct 2018 - Present Key Clinical Faculty Member, UAB Division of Gastroenterology & Hepatology

Oct 2018 - Present Member, Intern Selection Committee, UAB Internal Medicine Residency Program

Oct 2018 - Present Department of Medicine Research Development Group, University of Alabama at Birmingham

2015 – Present Fellowship Program Evaluation Committee, Division of Gastroenterology & Hepatology, Department of Medicine, University of Alabama at Birmingham

Oct 2019 - Sep 2020 Co-Director, 2020 UAB Update in Gastroenterology & Hepatology Planning Committee

Mar 2019 Judge, 2019 UAB DOM Trainee Research Symposium

Oct 2018 - Sep 2019 Member, 2019 UAB Update in Gastroenterology & Hepatology Planning Committee

Sep 2018 - Sep 2019 Leadership DOM Curriculum, Department of Medicine, University of Alabama at Birmingham

2018 Physician Specialty Representative, Division of Gastroenterology & Hepatology Medical Staff Privilege Form Update, Department of Medicine, University of Alabama at Birmingham

2018 Consult Service Improvement Committee, Department of Medicine, University of Alabama at Birmingham

2017 Strategic Growth Committee, Digestive Health, University of Alabama at Birmingham

2017 Volunteer Physician, Equal Access Birmingham free medical clinic, Church of the Reconciler, Birmingham, Alabama

2016 – 2018 Division Director Search Committee, Division of Gastroenterology & Hepatology, Department of Medicine, University of Alabama at Birmingham

2016 Development of BMI Educational Handout, Gastroenterology & Hepatology Clinics, The Kirklin Clinic, University of Alabama at Birmingham

2014 – 2015 Clinical Practice and Quality Committee, Department of Medicine, University of Alabama at Birmingham

2014 – 2015 Intern Selection Committee, University of Alabama at Birmingham, Tinsley Harrison Internal Medicine Residency Program

2014 – 2015 Program Evaluation Committee, University of Alabama at Birmingham, Tinsley Harrison Internal Medicine Residency Program

2013 – 2015 University of Alabama at Birmingham Internal Medicine Alumni Communications Committee

2012 – 2014 Vice President, Alabama Council of Associates, American College of

Physicians

2012 – 2014 University of Alabama at Birmingham Dean’s Council of Graduate Medical Education Patient Safety Subcommittee

2009 – 2011 University of Alabama School of Medicine Honor Council

2007 – 2008 University of Alabama School of Medicine Ad Hoc Assessment Committee

**EDUCATIONAL ACTIVITIES**

2015 – Present Inpatient Teaching Rounds, Medical Students and Internal Medicine Residents, Gastroenterology & Hepatology Inpatient Ward and Consult Services, UAB Hospital

2014 – Present Presenter, Internal Medicine Resident Morning Report, UAB Hospital

2014 – Present Presenter, Internal Medicine Resident Morning Report, Birmingham VA Medical Center

4/2017 - 4/2020 Lecturer, “Cholelithiasis”, Gastrointestinal System Module, UAB School of Medicine, 1st year curriculum

4/2018 - 4/2020 Small Group Preceptor; Gastrointestinal System Module, UAB School of Medicine, 1st year curriculum

9/2019 Discussant, UAB GI Fellowship Interview Day Lunch Case Conference

9/2019 Moderator, Early Morning Case Discussion, 2019 UAB Update in

Gastroenterology & Hepatology

9/2019 Moderator, Advanced Practitioner Breakout Session, 2019 UAB Update in

Gastroenterology & Hepatology

8/2019 Faculty Evaluator, Enhanced Clinical Skills Track Formative Assessment,

UAB Internal Medicine Residency Program

2019 Co-Director, Fellows Track, 2019 UAB Research and Innovations in

Medical Education (RIME) Week

4/2019 Content Expert, GI Simulations, UAB School of Medicine Simulation

Lab, Gastrointestinal System Module, 1st year medical school curriculum

 Lecturer, “Cholelithiasis”, Gastrointestinal System Module, UAB School of Medicine, 1st year curriculum

 Small Group Preceptor; Gastrointestinal System Module, UAB School of Medicine, 1st year curriculum

2018 - 2019 Co-Director, Fellows Track, 2018 UAB Research and Innovations in

Medical Education (RIME) Week

2015 – 2018 Presenter; Core Curriculum, Case Conferences, and GI Grand Rounds, Division of Gastroenterology & Hepatology, UAB School of Medicine

6/2018 Team Member, Fellows Team, Internal Medicine Noon Conference Annual Medical Jeopardy Competition, UAB School of Medicine

5/2018 Expert Consultant, Integrated Case, Renal Module, UAB School of

Medicine, 1st year curriculum

6/2017 Team Member, Fellows Team, Internal Medicine Noon Conference Annual Medical Jeopardy Competition, UAB School of Medicine

4/2017 Content Expert, GI Simulations, UAB School of Medicine Simulation Lab, Gastrointestinal System Module, UAB School of Medicine, 1st year curriculum

2014 – 2015 Tinsley Harrison Scholars Faculty Development Series, UAB Department of Medicine

2014 – 2015 Inpatient Teaching Rounds, Medical Students and Internal Medicine Residents, Tinsley Harrison Internal Medicine Service at UAB Hospital and Medicine Service at Birmingham VA Medical Center

7/2014 Small group leader; Patient, Doctor, and Society Course, UAB School of

 Medicine, 1st year curriculum

**ONGOING RESEARCH**

Ironwood Pharmaceuticals, Inc. (PI, James Callaway)

A Phase 3, Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Trial of Oral IW-3718 Administered to Patients with Gastroesophageal Reflux Disease while receiving Proton Pump Inhibitors

Role: Sub-Investigator, University of Alabama at Birmingham

VA Cooperative Study #2023

PREvening liver cancer Mortality through Imaging with Ultrasound vs. MRI (PREMIUM study)

Role: Site Co-PI, Birmingham VA Medical Center

Freenome, Inc. (PI, James Callaway)

PREEMPT CRC: PREvention Employing a Multiomics Plasma-based Test for ColoRectal Cancer

Protocol Number: FRNM-004

Role: Sub-Investigator, Birmingham VA Medical Center

Freenome, Inc. (PI, Douglas Morgan)

PREEMPT CRC: PREvention Employing a Multiomics Plasma-based Test for ColoRectal Cancer

Protocol Number: FRNM-004

Role: Sub-Investigator, University of Alabama at Birmingham

Exact Sciences

Clinical Validation of an Optimized Multi-target Stool DNA (mt-sDNA 2.0) test for Colorectal Cancer Screening “Blue-C”

Protocol Number: 2019-01

Role: Sub-Investigator, University of Alabama at Birmingham

**MANUSCRIPTS** **(In Peer-Reviewed Journals)**

1. Mullarkey M, Wilcox CM, Edwards AL. Factitious gastrointestinal bleeding: a case series and review. *The American Journal of the Medical Sciences*. epub ahead of print, [10.1016/j.amjms.2020.11.004](https://doi.org/10.1016/j.amjms.2020.11.004)
2. Rothermel CE and Edwards AL. Current challenges in the management of peptic ulcer disease. *Journal of Clinical Outcomes Management*. 2020 November;27(6):281-288
3. Edwards AL, Fitzmorris P, Pamboukian SV, George JF, Wilcox CM, Peter S. Association of pulsatility with gastrointestinal bleeding in a cohort of HeartMate II recipients. *ASAIO Journal*. 2018 Feb 27. doi: 10.1097/MAT.0000000000000766. PMID 29489463
4. Edwards AL**,** Mönkemüller K, Pamboukian SV, George JF, Wilcox CM, Peter S. Utility of double balloon enteroscopy in patients with left ventricular assist devices and obscure overt gastrointestinal bleeding. *Endoscopy*. 2014 Nov;46(11):986-91. PMID 25290096
5. Edwards AL, Bennett BC. Diversity of methylxanthine content in *Ilex cassine* L. and *Ilex vomitoria* Ait.: Assessing sources of the North American stimulant cassina. *Economic Botany.* 2005;59:275-285.
6. Saporito RA, Garraffo HM, Donnelly MA, Edwards AL, Longino JT, Daly JW. Formicine ants: An arthropod source for the pumiliotoxin alkaloids of dendrobatid poison frogs. *Proceedings of the National Academy of Sciences.* 2004;101:8045-8050. PMID 15128938
7. Edwards AL, Jenkins RJ, Davenport LJ, Duke JA. Presence of diosgenin in *Dioscorea batatas* (Dioscoreaceae). *Economic Botany.* 2002;56:204-206.

**ABSTRACTS (In Peer-Reviewed Journals)**

1. Edwards A, Wilcox CM, Pamboukian S, Mannon P, Peter S. Gastrointestinal bleeding after left ventricular assist device implantation is associated with a shift toward a pro-angiogenic phenotype in the angiopoietin axis. *United European Gastroenterology Journal* 2018; 6 (Supplement 1)
2. Welden CV, Orr J, Shoreibah M, Edwards A, Burski C, Ahmed AM. Life-threatening gastric outlet obstruction after placement of an intra-gastric balloon for weight loss. *The American Journal of Gastroenterology*. 2016 October;111(S1):AB1540.
3. Orr J, Weldon CV, Luckett T, Edwards A, Kabir Baig KK, Monkemuller K, Ahmed AM. Bleeding duodenal ulcer successfully managed with an over-the-scope clip. *The American Journal of Gastroenterology.* 2016 October;111(S1):AB1547.
4. Edwards AL, Fitzmorris PS, Hairrell A, Pamboukian SV, George J, Wilcox CM, Peter S. Effect of gastrointestinal bleeding within six months of continuous-flow left-ventricular assist device implantation on patient outcomes. *Gastrointestinal Endoscopy.* 2016 May;83(5):AB441
5. Truss W, Welden C, Edwards AL, Pamboukian SV, Weber FH, Peter S. An algorithmic shift in approach to gastrointestinal bleeding in LVAD patients: Is initial push enteroscopy beneficial? *Gastrointestinal Endoscopy.* 2016 May;83(5):AB426
6. Truss W, Welden C, Edwards AL, Pamboukian SV, Peter S. Clinical predictors for repeat hospitalizations in LVAD patients with gastrointestinal bleeding. *Gastroenterology*. 2016 Apr;150(4):S238-S239.
7. Edwards AL**,** Shewchuk R, Taylor B, Rodriguez M, Kraemer R, Curry W. Standardization of written handoffs on an internal medicine service. *Journal of Investigative Medicine.* 2014 Feb;62(2):457, abstract #165.
8. Edwards A, King W, Monroe K. Surveillance of Pediatric Motor Vehicle Crash Injuries and Child Passenger Safety Restraint*. Journal of Investigative Medicine.* 2009;57(1):395, abstract #338.
9. Edwards A, King W, Monroe K. Teen Driving Related ED visits to an Urban Pediatric Emergency Department*. Journal of Investigative Medicine.* 2009;57(1):325, abstract #90.

**ABSTRACTS** **(In Non-Peer-Reviewed Journals)**

1. Edwards A, Nelson G, Malik T, Dasher C. Angioedema with airway compromise during

upper endoscopy. Program No. P1735. *ACG 2013 Annual Scientific Meeting Abstracts.*

San Diego, CA: American College of Gastroenterology

**VIDEOS**

1. Edwards AL, Zhao L, Kyanam Kabir Baig KR. Gastric Plasmacytomas: An uncommon cause of a common endoscopic finding. American Society for Gastrointestinal Endoscopy GI Leap, May 2020 (URL pending).
2. Martinez-Alcala, Edwards AL, Stibolt RD, Stahl R, Peter S, Kyanam Kabir Baig KR, Ahmed AM. Set the table with the napkin ring and holder: Novel endoscopic multi-stent technique for complications from weight loss surgery. American Society for Gastrointestinal Endoscopy GI Leap, June 2018. <https://learn.asge.org/Users/LearningActivity/LearningActivityDetail.aspx?LearningActivityID=L8erVcOJawvqXINO0r%2b%2bZw%3d%3d>

**RESEARCH PRESENTATIONS**

*International and National*

1. Witt D, Spenney JG, Peter S, Edwards AL. Not all that ulcerates is Crohn’s: A malignant mimic of small bowel Crohn’s disease. 2019 American College of Gastroenterology Annual Scientific Meeting, October 27, 2019, San Antonio, TX
2. Edwards A, Wilcox CM, Pamboukian S, Mannon P, Peter S. Gastrointestinal bleeding after left ventricular assist device implantation is associated with a shift toward a pro-angiogenic phenotype in the angiopoietin axis. United European Gastroenterology Week, October 2018, Vienna, Austria
3. Edwards AL, Wilcox CM, Pamboukian SV, Mannon P, Peter S. Gastrointestinal bleeding is associated with a shift towards a pro-angiogenic phenotype after continuous flow left ventricular assist device implantation. Heart Failure Society of America 22nd Annual Scientific Meeting, September 15, 2018, Nashville, TN
4. Axley PD, Welden CV, Phillips M, Pamboukian SV, Edwards AL, Peter S. Endoscopy in patients with left ventricular assist devices is safe to perform outside of the operating room. Digestive Disease Week June 2018, Washing D.C.
5. Ahmed AM, Stibolt RD, Edwards AL, Stahl R. Set the table with the napkin ring and holder: novel endoscopic multi-stent technique for complication from weight loss surgery. World Organization for Specialized Studies on Disease of the Esophagus, 14th World Conference, September 5, 2017, Geneva, Switzerland
6. Tran T, Karam S, Neely J, Edwards A, Ovalle F. Glucocorticoid-associated hyperglycemia improves outcome in acute exacerbations of COPD? Southern Society of General Internal Medicine Regional Meeting. Atlanta, Georgia. February 19, 2016.
7. Edwards AL, Fitzmorris PS, Hairrell AO, Pamboukian SV, George JF, Wilcox CM, Peter S. Low Pulsatility is Associated with An Increased Hazard of Gastrointestinal Bleeding in Patients with Continuous-Flow Left Ventricular Assist Devices. Digestive Disease Week 2015, Washington D.C.
8. Edwards AL, Pamboukian SV, George JF, Wilcox CM, Peter S. Lack of influence of pulsatility on gastrointestinal bleeding in patients with continuous flow left ventricular assist devices. Digestive Disease Week 2014, Chicago, IL.
9. Edwards AL**,** Pamboukian SV, George JF, Wilcox CM, Mönkemüller K, Peter S. Double balloon enteroscopy in patients with left ventricular assist devices and obscure gastrointestinal bleeding: a case series. European Society of Gastrointestinal Endoscopy/European Crohn’s and Colitis Organisation Quality in Endoscopy Symposium: Inflammatory Bowel Disease and Small Bowel Disease, Budapest, Hungary, 2013.
10. Edwards AL. From black drink to red frogs: Case studies in alkaloid variation. Phipps Conservatory and Botanical Gardens, Pittsburgh, PA, 2004.
11. Edwards AL, Bennett BC. What is *cassina*? Consideration of *Ilex cassine* L. and *I. vomitoria* Ait. (Aquifoliaceae) as botanical sources. 2003 Annual Meeting of the Society for Economic Botany, Tucson, AZ.
12. Edwards AL. Stimulant teas from hollies (*Ilex* spp., Aquifoliaceae): Toward a model of alkaloid variation in higher plants. Phipps Conservatory and Botanical Gardens, Pittsburgh, PA, 2003.
13. Edwards AL. Variation of caffeine and related alkaloids *Ilex vomitoria* Ait. (Yaupon holly): A model of intraspecific alkaloid variation. 2002 Annual Meeting of the Society for Economic Botany, Bronx, NY

*Institutional*

1. Tran T, Neely J, Karam S, Edwards A, Ovalle F. Effect of glucocorticoid-associated hyperglycemia on outcome of acute exacerbation of COPD. University of Alabama School of Medicine 5th Annual Education Summit - Research and Innovations in Medical Education (RIME) Week. September 16, 2015.
2. Edwards AL, Tabereaux PB, DoppalapudiH, EpsteinAE, KayGN, PlumbVJ, Yamada T, McElderry HT. Reimplantation is often not indicated following cardiac rhythm management device extraction. University of Alabama School of Medicine Medical Student Research Day, Birmingham, AL, 2009.
3. Castellanos AM, Edwards AL, Bennett BC. Tropane alkaloids in *Brugmansia* (Angel’s Trumpet). Florida International University Undergraduate Mentoring in Environmental Biology Program Annual Symposium, Miami, FL, 2004.

**CLINICAL VIGNETTES**

1. Edwards AL, Murray K. Stump the Professor – Lactic acidosis from thiamine deficiency. American College of Physicians, Alabama Chapter Scientific Meeting, Point Clear, AL, 2014.
2. Edwards AL**,** Alena C, Witcher A, Kraemer RR. Back to the drawing board: Solving a case of type B lactic acidosis. Southern Society of General Internal Medicine Annual Meeting, New Orleans, LA, 2014.
3. Edwards AL, Stevens E. Stump the Professor – Ehrlichiosis. American College of Physicians, Alabama Chapter Scientific Meeting, Point Clear, AL, 2013.
4. Edwards AL, Gelwix C, Bittner V. Chest pain in Autosomal Dominant Polycystic Kidney Disease: Dissecting the problem. Southern Society of General Internal Medicine, Annual Meeting, New Orleans, LA, 2012.

**INVITED PRESENTATIONS**

1. *Current Advances and Challenges in Colorectal Cancer Screening*. UAB Department of Medicine, Medicine Grand Rounds, December 2, 2020
2. *Colorectal Cancer Screening*, UAB Division of Gastroenterology & Hepatology, GI Fellows Conference, July 27, 2020
3. *Colorectal Cancer Screening and Surveillance*. UAB Division of Gastroenterology & Hepatology Grand Rounds, July 25, 2019
4. *Colorectal Cancer Screening and Surveillance,* UAB Internal Medicine Residency Noon Conference, January 28, 2019
5. *Management of Ascites and Spontaneous Bacterial Peritonitis,* UAB 2018 Update in Gastroenterology and Hepatology, September 8, 2018
6. *Deceptive Gastrointestinal Bleeding*. UAB Division of Gastroenterology & Hepatology Grand Rounds, 11/20/2017
7. *Management of Ascites and Spontaneous Bacterial Peritonitis*, UAB 2017 Update in Gastroenterology and Hepatology, September 8, 2017
8. *Carrying the Contagious Fire*, UAB Internal Medicine Residency Program Legacy Dinner, July 25, 2017
9. Expert Discussant, *Primary Intestinal Lymphangiectasia*, UAB General Internal Medicine Noon Conference, May 23, 2017
10. *Acquired Angiodysplasias and Abnormal Angiogenesis*. UAB Division of Gastroenterology & Hepatology Grand Rounds, 3/27/2017
11. *Cytokine Therapy in the Treatment of Liver Disease*. UAB Division of Gastroenterology & Hepatology Grand Rounds, 10/5/2015

**JOURNALS REFEREED**

*The American Journal of the Medical Sciences*