

**University of Alabama at Birmingham
School of Medicine
Faculty Curriculum Vitae**

Date: November 7, 2019

PERSONAL INFORMATION

Name: Karin M. Hardiman, MD, PhD
Citizenship: United States
Home Address: 3732 Dunbarton Dr.
Birmingham, AL 35223
Phone: (734) 478-8493

RANK/TITLE

Rank: Associate Professor
Department: Department of Surgery/Division of Gastrointestinal Surgery
Business Address: University of Alabama at Birmingham
1922 7th Ave South
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HOSPITAL AND OTHER (NON-ACADEMIC) APPOINTMENTS:

2011 – 2019 Attending Surgeon, Division of Colon and Rectal Surgery,
University of Michigan, Ann Arbor, MI
2016 – 2019 Surgical Director, Multidisciplinary Colon and Rectal Cancer Clinic,
University of Michigan Comprehensive Cancer Center, Ann Arbor,
MI
2019 – present Attending Surgeon, Division of Gastrointestinal Surgery, University
of Alabama at Birmingham, Birmingham, AL
2019 – present Attending Surgeon, General Surgery, Birmingham Veterans Affairs
Medical Center, Birmingham, AL

PROFESSIONAL CONSULTANTSHIPS: None

EDUCATION:

08/94 – 06/97 BA Smith College, Northampton, MA, Biochemistry
08/97 – 06/04 MD University of Alabama School of Medicine, Birmingham, AL
07/99 – 06/00 MS University of Alabama at Birmingham, Birmingham, AL,
Basic Medical Science
07/00 – 12/02 PhD University of Alabama at Birmingham, Birmingham, AL,
Physiology and Biophysics

MILITARY SERVICE: None

LICENSURE:

Michigan Board of Medicine Physician License; License Number: 4301097917
Alabama Board of Medicine Physician License; License Number: 38280

BOARD CERTIFICATION:**American Board of Surgery**

Certificate #: 055874

State Date: 03/01/11

End Date: 12/31/2021

American Board of Colon and Rectal Surgery

Certificate # 2272

Start Date: 09/22/2012

End Date: 12/31/2022

POSTDOCTORAL TRAINING:

2004 – 2010 Residency, General Surgery, Oregon Health and Science
University
2007 – 2008 Postdoctoral Research Fellow, Department of Surgery, Oregon
Health and Science University
2010 – 2011 Fellowship, Colon and Rectal Surgery, Oregon Health and Science
University

ACADEMIC APPOINTMENTS:

2011 – 2019 Assistant Professor of Surgery, Division of Colon and Rectal
Surgery, University of Michigan, Ann Arbor, MI
2012 – 2019 Core Faculty, St. Joseph Mercy Hospital Residency in Colon and
Rectal Surgery, Ypsilanti, MI
2019 – present Associate Professor of Surgery, Division of Gastrointestinal
Surgery, University of Alabama at Birmingham, Birmingham, AL

AWARDS/HONORS:

2000 American Physiology Society, Respiration Section, Recognition
Award for Meritorious Achievement by Young Investigator
2001 First Place, National Medical Scientists Training Program Research
Competition
2001 National Institutes of Health Cardiovascular Pathophysiology
Training Grant
2002 American Physiology Society, Respiration Section, Recognition
Award for Meritorious Achievement by a Young Investigator
2010 Chief Resident of the Year, Oregon Health and Science University
2011 – 2019 “Making a Difference” award, Michigan Medicine, multiple
occurrences
2013 American Society of Colon and Rectal Surgeons, Annual Meeting,
Research Forum “Works in Progress” award
2013 Molecular Biology in Clinical Oncology Workshop

2014 – 2016 National Institutes of Health, Recipient Loan Repayment Program Award in Clinical Research
2015 Canadian Bioinformatics Workshop for Cancer Genomics
2016 University of Michigan Bioinformatics Core Expert User
2017 – 2018 National Institutes of Health, Recipient Loan Repayment Program Award in Clinical Research

PROFESSIONAL SOCIETIES:

American College of Surgeons, Fellow
American Society of Colon and Rectal Surgeons, Fellow

MEMBERSHIPS:

Michigan Society of Colorectal Surgery, Member
Society for Surgery of the Alimentary Tract, Member
Association for Academic Surgery, Member
American Association for Cancer Research, Member
Northwest Society of Colon & Rectal Surgeons, Member

COUNCILS AND COMMITTEES:

2010 – 2011 Accreditation Council for Graduate Medical Education Review Committee of Colon & Rectal Surgery, Resident Member
2010 – 2012 Accreditation Council for Graduate Medical Education Review Committee of Colon & Rectal Surgery, Member
2011 – 2013 Colorectal Surgery Milestone Committee for Accreditation Council for Graduate Medical Education, Member
2013 – 2016 American Society of Colon & Rectal Surgeons, Young Surgeons Committee, Member
2015 – 2019 Mid-Michigan Tumor Board
2015 – present American Society of Colon & Rectal Surgeons, Program Committee for Annual Meeting, Member
2016 – present American Society of Colon & Rectal Surgeons, Clinical Practice Guidelines Committee, Member
2019 – present American Society of Colon & Rectal Surgeons, Awards Committee, Member

UNIVERSITY ACTIVITIES:

2007 Accreditation Council for Graduate Medical Education Resident Task Force, Oregon Health and Science University, Member
2008 – 2009 Oregon Health and Science University, House Officers' Association, Surgery Representative
2012 – 2015 University of Michigan Cancer Center, Gastrointestinal Oncology Research Program, Associate Member
2012 – 2019 Comprehensive Cancer Center, University of Michigan Health System, Member
2013 – 2015 8C ward at University of Michigan, Medical Director

2013 – 2015	Medical Director Partnering to Lead Along with Nurse Managers, University of Michigan, Member
2014 – 2019	Steering Committee, Ostomy Services Improvement at University of Michigan Health System, Member
2015 – 2019	Cancer Genetics Program, Comprehensive Cancer Center, Member, University of Michigan
2015	Faculty Incentive Program Committee, Department of Surgery, University of Michigan, Member
2016 – 2019	Surgical Director, Multidisciplinary Colon and Rectal Cancer Clinic, University of Michigan Comprehensive Cancer Center, Ann Arbor, Michigan, Director
2017 – 2019	GI Cancer, Clinical Research Team, Michigan Medicine, Member
2017 – 2019	Primary Faculty Mentor, Women in Surgery, Department of Surgery, University of Michigan, Mentor
2017 – 2019	University of Michigan Comprehensive Cancer Center, Ann Arbor, Michigan, Colorectal Cancer Disease Group Lead
2019 – present	O’Neil Comprehensive Cancer Center, Scientist, Experimental Therapeutics Program, University of Alabama at Birmingham
2019-present	Co-Director, Department of Surgery Undergraduate Research Experience (SURE) Program, University of Alabama at Birmingham
2019-present	Director, Department of Surgery Research Resident Development Series, University of Alabama at Birmingham

EDITORIAL BOARD MEMBERSHIPS:

2018 – present Editorial Board Member, *Journal of Surgical Oncology*

REVIEWER: Ad hoc

Disease of the Colon and Rectum
Journal of Surgical Oncology
PLOS ONE
Clinics in Colorectal Surgery
Cancer Research
Colorectal Disease
Laboratory Investigation
Cellular Physiology and Biochemistry
Annals of Surgery
JAMA Network Open
Journal of Clinical Oncology
Oncotarget
Surgery

GRANT REVIEW/STUDY SECTION:

2019 NIH Study Section, Cancer Diagnostics and Treatments (CDT) SBIR/STTR panel

MAJOR RESEARCH INTERESTS:

Dr. K. Hardiman is a colorectal surgeon with primary research interests in Genetic intra-tumor heterogeneity, translational research in colorectal cancer therapeutics, quality improvement in Colorectal Surgery, and Colorectal Cancer survivorship.

TEACHING EXPERIENCE:

Undergraduate Medical Education

- 1/2012 – 12/2012 Lecturer, 8C Nursing Education In-Service, “Colorectal Surgery”
1/2015 – 6/2019 Medical Student Core Lectures, “Non-Vascular Abdominal Pain”,
Monthly
11/2015 Lecture, “3D Endorectal and Endoanal Ultrasounds (ERUS)”,
Nursing, East Ann Arbor Medical Procedure Unit

Graduate Medical Resident Education

- 9/2011 – 2019 Developed and Implemented Colonoscopy Curriculum with
simulator course for General Surgery Residents, University of
Michigan
9/2011 – 2019 General Surgery Residency Teaching Conference, three times per
year, University of Michigan
1/2012 Proctor for Animate Laparoscopic Skills Lab for General Surgery
Residents, University of Michigan
1/2012 – 1/2016 Site Director for rotation at University of Michigan, Colon and Rectal
Surgery Fellowship, St. Joseph Mercy Hospital, Ann Arbor,
Michigan
1/2013 – 1/2014 Coordinator, Monthly Colorectal Surgery Services Case
Conference, University of Michigan Medical School
9/2013 Host, University of Michigan Surgery Residency, Journal Club,
“Enhanced Recovery After Surgery”
1/2014-2019 Host, Women in Surgery, Journal Clubs and Meetings, University of
Michigan
4/2016 Moderator and Examiner, Mock Oral Symposium, The American
Society of Colon and Rectal Surgeons Annual Meeting, Los
Angeles, California
10/2016 Host, University of Michigan and St Joseph Mercy joint colorectal
journal club, “The changing paradigm for rectal cancer care”
5/2017-2019 Yearly Examiner, Mock Oral Board Exams, General Surgery
Program, Michigan Medicine
4/2016 Moderator and Examiner, Mock Oral Symposium, The American
Society of Colon and Rectal Surgeons Annual Meeting, Los
Angeles, California
06/2017 Moderator and Examiner, Mock Oral Symposium, The American
Society of Colon and Rectal Surgeons Annual Meeting, Seattle,
Washington

Mentored Undergraduate Students

- 9/2013 – 5/2018 Shayna Mason, BA, University of Michigan

Mentored Residents

1/2012 – 1/2014	Eric Chang, MD, University of Michigan
1/2015 – 6/2019	Vahagn Nikolian, MD, University of Michigan
4/2017 – present	Ana de Roo, MD, University of Michigan
10/2017 – 6/2019	Arielle Kanters, MD, University of Michigan
10/2017 – present	Joceline Vu, MD, University of Michigan
9/2018 – 8/2019	Lynn Frydruch, MD, University of Michigan
9/2018 – 6/2019	Joe Habbouche, MD, University of Michigan
5/2019 – present	Mary Smithson, MD, University of Alabama at Birmingham

Mentored Faculty

1/2014 – 6/2016	Christina Reames, RN, University of Michigan
1/2015 – 6/2018	Shail Govani, MD, University of Michigan
9/2015 – present	Pasithorn Suwanabol, MD, University of Michigan
9/2016 – 6/2018	Oxana Rusher, MD, University of Michigan

MAJOR LECTURES AND VISITING PROFESSORSHIPS:

4/2000	“Modulation by Nitric Oxide of Lung Edema and Active Ion Transport in Hyperoxic Mice”, Experimental Biology Meeting, San Diego, CA
5/2000	“Modulation of Active Transport by Nitric Oxide in Hyperoxia”, Medical Student Research Society, University of Alabama School of Medicine, Birmingham, AL
10/2000	“Na ⁺ transport in the lung of normal and iNOS(-/-) mice”, GAT Conference, University of Alabama, Birmingham, AL
09/2013	“Intratumor Heterogeneity in Colorectal Cancer”, Cancer Genetics Program Group Meeting, University of Michigan, Ann Arbor, MI
10/2014	“Should Sphincteroplasty be the Historical Significance and Role of SNS?”, Michigan Society of Colon and Rectal Surgeons, Troy, MI
10/2014	“Surgeries for the Treatment and Prevention of Colon and Rectal Cancers”, Empowering Yourself: Updates on Lynch Syndrome, FAP, and Familial Colon Cancer Conference, Plymouth, MI
2/2015	“Possible challenges of sub-clonal heterogeneity to precision cancer therapy.”, Comprehensive Cancer Center, Clinical Research Lecture Series: Advancing Clinical and Translational Research Opportunities, University of Michigan, Ann Arbor, MI
5/2015	“Taking Control: Clips, Seal, or Staple the Large Vessels?”, The American Society of Colon and Rectal Surgeons Annual Meeting, Boston, MA
8/2015	“Genetic sub-clonal heterogeneity in colorectal cancer metastasis and response to therapy.”, Cancer Genetic Program Group Meeting., University of Michigan, Ann Arbor, MI
10/2015	“Overview of Polyposis Syndromes”, American College of Surgeons, Chicago, IL
4/2016	“Management of Multi-Visceral Rectal Cancer and the Integrative Model of Care Envisioned in the University of

Michigan/MidMichigan Health Affiliation”, Oncology Symposium, Midland, MI

4/2016 “Perspectives and Pitfalls”, Mock Oral Symposium, The American Society of Colon & Rectal Surgeons Annual Meeting, Los Angeles, CA

7/2016 “Surgical Quality Improvement: Decreasing Readmissions for New Ileostomy Patients”, Grand Rounds, Department of Surgery, St Joseph Mercy Hospital, Ann Arbor, MI

8/2016 “Ileostomy Checklist Decreases Readmission After Ileostomy Creation”, Piedmont Society of Colorectal Surgeons Annual Meeting, Amelia Island, FL

9/2016 “Complex Sub-Clonal Populations in Colorectal Cancer Lymph Node Metastasis”, American Association for Cancer Research, Tampa, FL

10/2016 “Intra-tumor Heterogeneity and its implications in Colorectal Cancer”, Grand Rounds, Department of Surgery, Oregon Health Science University, Portland, Oregon

2/2017 “Operative Interventions for Michigan Bowel Control Program Patients”, Grand Rounds, Michigan Bowel Control Educational Series, Ann Arbor, MI

5/2017 “Elective Surgery for Diverticulitis: Who, when, and why?”, Digestive Disease Week Annual Meeting, May 2017, Chicago, IL

6/2017 “Setons – Draining and Cutting – What is the Data?”, American Society of Colon & Rectal Surgeons Annual Meeting, Seattle, WA

6/2017 “Anastomotic Leaks: Technical Considerations and Treatments”, American Society of Colon & Rectal Surgeons Annual Meeting, Seattle, WA

6/2017 “Running a Successful Endoscopy Unit: Materials, Endoscope Processing and Providing Value”, American Society of Colon & Rectal Surgeons Annual Meeting, Seattle, WA

12/2017 Plenary Session: “Anal Cancer: Screening, Treatment, and Surveillance”, Primary Health Care in Women Course, Ann Arbor, MI

1/2018 “Genetic Sub-clones in Colorectal Cancer”, Department of Surgery, University of Alabama at Birmingham, Birmingham, Alabama

2/2018 “The Changing Paradigm of Colorectal Cancer Genetics”, Department of Surgery, Massachusetts General Hospital, Boston, MA

4/2018 “A New Model for Colorectal Cancer Lymph Node Metastasis”, University of Michigan, Department of Surgery, Ann Arbor, MI

10/2018 “Utilization and Outcome of Pelvic Exenteration”, Michigan Society of Colorectal Surgeons, Novi, MI

10/2018 “Defining and Overcoming Therapeutic Resistance in Rectal Cancer”, Comprehensive Cancer Center, University of Alabama at Birmingham, Birmingham, Al

- 11/2018 “Modeling Your Own Mold”, Resident Track, Michigan Women’s Surgical Collaborative Leadership Development Meeting, Ann Arbor, MI
- 4/2019 “Fertility and Family”, Women in Surgery Resident Group, Ann Arbor, MI
- 6/2019 “Gimme a Hand: Hand Assisted Top Down Right Colectomy for Cancer”, America Society of Colon & Rectal Surgeons Annual Meeting, Cleveland, OH
- 6/2019 “Young Onset Colorectal Cancer – Hereditary or Not, Here it Comes!” America Society of Colon & Rectal Surgeons Annual Meeting, Cleveland, OH
- 10/2019 “The Role of Intra-tumor Genetic Heterogeneity in Colorectal Cancer Progression and Response to Therapy and How I Became a Surgeon Scientist”, Keynote Speaker, Southeastern Medical Scientist Symposium, Birmingham, AL
- 10/2019 “Diversity in Science Panel” Southeastern Medical Scientist Symposium, Birmingham, AL

NATIONAL MEETINGS MODERATOR INVITATION:

- 10/2017 “Moderator: Management of Synchronous Stage IV Colorectal Cancer”, American College of Surgeons Meeting, San Diego, CA
- 5/2018 “Moderator: Neoplasia II”, American Society of Colon & Rectal Surgeons Annual Meeting, Nashville, TN
- 6/2019 “Moderator: Basic Science”, America Society of Colon & Rectal Surgeons Annual Meeting, Cleveland, OH

GRANT SUPPORT (CURRENT):

Dates: 8/2016 – 7/2020
 Award Amount: \$699,840
 PI: Karin Hardiman, 75% effort
 Source/Purpose: 5 K08 CA190645-04: *Intratumor heterogeneity in colorectal cancer progression and treatment response* National Institutes of Health (K08)

GRANT SUPPORT (PAST):

Dates: 4/2018 – 3/2023
 Award Amount: \$2,295,752 (\$496,769)
 PI: Judith Leopold, Co-I: Karin Hardiman
 Source/Purpose: 5 R01 CA22099-05: *Development of a Dual and Selective Small Molecule Inhibitor of EGFR and PI3 Kinase to Treat BRAF Mutant Colorectal Cancer* NIH-DHHS-US-17-PAF08382

Dates: 1/2019 – 5/2019
 Award Amount: \$50,000
 PI: Karin Hardiman

Source/Purpose: *William Parfet Emerging Scholar* Taubman Institute, Michigan Medicine

Dates: 2/2017 – 7/2018

Award Amount: \$75,000

PI: Meredith Morgan

Co-I: Karin Hardiman

Source/Purpose: *Therapeutic targeting of DNA repair for FBXW7 mutant colorectal cancers* University of Michigan Comprehensive Cancer Center Fund for Discovery

Dates: 4/2016 – 4/2017

Award Amount: \$35,000

PI: Karin Hardiman

Source/Purpose: *U051677: Investigation of Treatment Resistance in Rectal Cancer* Surgery Research Advisory Committee, University of Michigan Department of Surgery

Dates: 4/2016 – 4/2017

Award Amount: \$5,000

PI: Christina Reames

CO-I: Karin Hardiman

Source/Purpose: *Reducing Readmission After Ileostomy Creation* Patient Education Awards Committee, University of Michigan

Dates: 3/2016 – 2/2017

Award Amount: \$50,000

PI: Karin Hardiman

Source/Purpose: *The Role of Intra-tumor Heterogeneity in Colon Cancer Metastasis* John S. and Suzanne C. Munn Cancer Research Fund

Dates: 7/2014 – 6/2016

Award Amount: \$150,000

PI: Karin Hardiman

Source/Purpose: *13-PAF06570: Molecular Approaches to Improving Rectal Cancer Care* American Surgical Association Foundation

Dates: 9/2013 – 8/2015

Award Amount:

PI: Judith Leopold, Co-I: Karin Hardiman

Source/Purpose: *Optimization of MEK Inhibitor-Based Combination Strategies Targeting KRAS Mediated Colorectal Cancer Progression* GI SPORE Program Project

Dates: 9/2013 – 9/2014

Award Amount: \$100,000

PI: Karin Hardiman

Source/Purpose: *Importance of Genetic Intra-tumor Heterogeneity in Colorectal Cancer* University of Michigan GI SPORE Career Development Program

Dates: 10/2012 – 10/2013

Award Amount:

PI: Judith Leopold, Co-I: Karin Hardiman

Source/Purpose: *Development of Stem Cell Biomarkers in Colorectal Cancer* MedImmune

BIBLIOGRAPHY:

Manuscripts Published:

1. **Hardiman KM**, Matalon S: Modification of sodium transport and alveolar fluid clearance by hypoxia: Mechanisms and physiological implications *Am. J. Respir. Cell Mol. Biol.* 25(5): 53-541, 2001. PM11713094
2. **Hardiman KM**, Lindsey JR, Matalon S: Lack of amiloride-sensitive transport across alveolar and respiratory epithelium of iNOS(-/-) mice in vivo *Am. J. Physiol. Lung Cell Mol. Physiol.* 218 (3 25-3): L722-L731, 2001. PM11504701
3. Bebok Z, Varga K, Hicks JK, Venglarik CJ, Kovacs T, Chen L, **Hardiman KM**, Collawn JF, Sorscher EJ, Matalon S: Reactive oxygen nitrogen species decrease cystic fibrosis transmembrane conductance regulator expression and cAMP-mediated Cl⁻ secretion in airway epithelia *J. Biol. Chem.* 277(45): 4304143049, 2002. PM12194970
4. **Hardiman KM**, McNicholas-Bevensee CM, Fortenberry J, Myles CT, Malik B, Eaton DC, Matalon S: Regulation of amiloride-sensitive Na⁺ transport by basal nitric oxide *Am. J. Respir. Cell Mol. Biol.* 30(5): 720-728, 2003. PM14607816
5. Matalon S, **Hardiman KM**, Jain L, Eaton DC, Kotlikoff M, Eu JP, Sun J, Meissner G, Stamler JS: Regulation of ion channel structure and function by reactive oxygen-nitrogen species *Am. J. Physiol. Lung Cell Mol. Physiol.* 285(6 29-6): L1184-L1189, 2003. PM14604848
6. Mutlu GM, Dumasius V, Burhop J, McShane PJ, Meng FJ, Welch L, Dumasius A, Mohebahmadi N, Thakuria G, **Hardiman K**, Matalon S, Hollenberg S, Factor P: Upregulation of Alveolar Epithelial Active Na⁺ Transport Is Dependent on β_2 -Adrenergic Receptor Signaling *Circ. Res.* 94(8): 1091-1100, 2004. PM15016730
7. Van Hove C, **Hardiman K**, Diggs B, Deveney C, Sheppard B: Demographic and socioeconomic trends in the use of laparoscopic appendectomy from 1997 to 2003 *Am. J. Surg.* 195(5): 580-584, 2008. PM18424278
8. **KM Hardiman**, Cone M, Sheppard BC, Herzig DO: Disparities in the treatment of colon cancer in octogenarians *Am. J. Surg.* 197(5): 624-628, 2009. PM19393356
9. **Hardiman KM**, Sheppard BC: What to do when the pathology from last week's laparoscopic cholecystectomy is malignant and T1 or T2 *J. Gastrointest. Surg.* 13(11): 2037-2039, 2009. PM19219515

10. Rea JD, Lu KC, Diggs BS, Cone MM, **Hardiman KM**, Herzig DO: Specialized practice reduces inpatient mortality, length of stay, and cost in the care of colorectal patients *Dis Colon Rectum* 54(7): 780-786, 2011. PM21654243
11. Cone MM, Herzig DO, Diggs BS, Rea JD, **Hardiman KM**, Lu KC: Effect of Surgical Approach on 30-Day Mortality and Morbidity After Elective Colectomy: A NSQIP Study *J. Gastrointest. Surg.* 16(6): 1212-1217, 2012. PM22402957
12. **Hardiman K**, Chang ET, Diggs BS, Lu KC: Laparoscopic colectomy reduces morbidity and mortality in obese patients *Surgical Endoscopy* 27(8): 2907-10, 2013. PM23436094
13. Morgan TK, **Hardiman K**, Corless CL, White SL, Bonnah R, Van de Vrugt H, Sheppard BC, Grompe M, Cosar EF, Streeeter PR: Human pancreatic cancer fusion 2 (HPC2) 1-B3: A novel monoclonal antibody to screen for pancreatic ductal dysplasia *Cancer Cytopathol* 121(1): 37-46, 2013. PM22811080
14. Morris AM, Regenbogen SE, **Hardiman KM**, Hendren S: Sigmoid diverticulitis: a systematic review *JAMA* 311(3): 287-97, 2014. PM24430321
15. Regenbogen SE, **Hardiman KM**, Hendren S, Morris AM: Surgery for diverticulitis in the 21st century: a systematic review *JAMA Surgery* 149(3): 292-303, 2014. PM24430164
16. **Hardiman KM**, Liu J, Feng Y, Greenson JK, Fearon ER: Rapamycin inhibition of polyposis and progression to dysplasia in a mouse model. *PLOS One* 9(4): e96023, 2014. PM24763434
17. Abdelsattar ZM, Wong SL, Regenbogen SE, Jomaa DM, **Hardiman KM**, Hendren S: Colorectal cancer outcomes and treatment patterns in patients too young for average-risk screening. *Cancer* 122(6): 92934, 2016. PM26808454/PMC4777631
18. Ziemke EK, Dosch JS, Maust JD, Shettigar A, Sen A, Welling TH, **Hardiman KM**, Sebolt-Leopold JS: Sensitivity of KRAS-Mutant Colorectal Cancers to Combination Therapy That Cotargets MEK and CDK4/6 *Clin Cancer Res* 22(2): 405-14, 2016. PM26369631/PMC4715945
19. **Hardiman KM**, Ulintz PJ, Kuick RD, Hovelson DH, Gates CM, Bhasi A, Rodrigues Grant A, Liu J, Cani AK, Greenson JK, Tomlins SA, Fearon ER: Intra-tumor genetic heterogeneity in rectal cancer *Lab Investigation* 96(1): 4-15, 2016. PM26568296/PMC4695247
20. Xue X, Jungles K, Onder G, Samhoun J, Györffy B, **Hardiman KM**: HIF-3 α 1 promotes colorectal tumor cell growth by activation of JAK-STAT3 signaling. *Oncotarget* 7: 11567-11579, 2016. PM26871465
21. **Hardiman KM**, Reames CD, McLeod MC, Regenbogen SE: Patient autonomy-centered self-care checklist reduces hospital readmissions after ileostomy creation *Surgery* 160(5): 1302-1308, 2016. PM27320065
22. Xue X, Ramakrishnan SK, Weisz K, Triner D, Xie L, Attili D, Pant A, Györffy B, Zhan M, Carter-Su C, **Hardiman KM**, Wang TD, Dame MK, Varani J, Brenner D, Fearon ER, Shah YM: Iron Uptake via DMT1 Integrates Cell Cycle with JAK-STAT3 Signaling to Promote Colorectal Tumorigenesis *Cell Metab* 24(3): 447-61, 2016. PM27546461/PMC5023486
23. Sakamoto N, Feng Y, Stolfi C, Kurosu Y, Green M, Lin J, Green M, Sentani K, Yasui W, McMahon M, **Hardiman KM**, Spence JR, Horita N, Greenson JK, Kuick

- R, Cho KR, Fearon ER: BRAF^{V600E} cooperates with CDX2 inactivation to promote serrated colorectal tumorigenesis. *eLife* 6: 1-25, 2017. PM28072391
24. Herzig D, **Hardiman K**, Weiser M, You N, Paquette I, Feingold DL, Steele SR: The American Society of Colon and Rectal Surgeons Clinical Practice Guidelines for the Management of Inherited Polyposis Syndromes. *Dis Colon Rectum* 60(9): 881-894, 2017. PM28796726/PMC5701653
 25. Xue X, Bredell BX, Anderson ER, Martin A, Mays C, Nagao-Kitamoto H, Huang S, Györffy B, Greenson JK, **Hardiman K**, Spence JR, Kamada N, Shah YM: Quantitative proteomics identifies STEAP4 as a critical regulator of mitochondrial dysfunction linking inflammation and colon cancer. *Proc Natl Acad Sci U S A* 114(45): E9608-E9617, 2017. PM29078383/PMC5692584
 26. Dosch J, Ziemke E, Wan S, Luker K, Welling T, **Hardiman K**, Fearon E, Thomas S, Flynn M, Rios-Doria J, Hollingsworth R, Herbst R, Hurt E, Sebolt-Leopold J: Targeting ADAM17 inhibits human colorectal adenocarcinoma progression and tumor-initiating cell frequency. *Oncotarget* 8(39): 65090-65099, 2017. PM29029414/PMC5630314
 27. Ulintz PJ, Greenson JK, Wu R, Fearon ER, **Hardiman KM**: Lymph Node Metastases in Colon Cancer are Polyclonal *Clin Cancer Res* online: doi: 10.1158/1078-0432, 2017. PM29203589
 28. **Hardiman KM**: Update on Sporadic Colorectal Cancer Genetics. *Clin Colon Rectal Surg* 31(3): 147-152, 2018. PM29720900
 29. Suwanabol PA, **Hardiman KM**: Prevention and Management of Colostomy Complications: Retraction and Stenosis. *Dis Colon Rectum* 61(12): 1344-1347, 2018. PM30399047
 30. **Hardiman KM**: Translational Research in Colorectal Cancer. *Clin Colon Rectal Surg* 31(3): 145-146, 2018. PM29720899/PMC5930113
 31. Vu JV, De Roo A, **Hardiman KM**: Can ZEB2 Be Used as a Molecular Marker for Risk Stratification of Patients With Colorectal Cancer? *JAMA Netw Open* 1(6): e183133, 2018. PM30646215
 32. Kandagatla P, Maguire LH, **Hardiman KM**: Biology of Nodal Spread in Colon Cancer: Insights from Molecular and Genetic Studies. *Eur Surg Res* 59(5-6): 361-370, 2018. PM30537705
 33. Kandagatla P, Nikolian VC, Matsuoka N, Mason S, Regenbogen SE, **Hardiman KM**: Assessment of patient-reported outcomes and readmission after ileostomy creation in older adults. *American Surgeon* 84 (11): 1814-1818, 2018.
 34. Vu JV, Matusko N, Hendren S, Regenbogen SE, **Hardiman KM**: Patient-Reported Unmet Needs in Colorectal Cancer Survivors After Treatment for Curative Intent. *Dis Colon Rectum* doi: 10.1097/DCR. 000000000000132, 2019. PM30640317
 35. **Hardiman KM**, Antunez AG, Kanters A, Schuman AD, Regenbogen SE: Clinical and pathological outcomes of induction chemotherapy before neoadjuvant radiotherapy in locally-advanced rectal cancer *Journal of Surgical Oncology*. 2019 Apr 16. doi: 10.1002/jso.25474. PM30993710
 36. Maguire L, Geiger T, **Hardiman KM**, Regenbogen SE, Hopkins B, Muldoon R, Hawkins A: Surgical Management of Primary Lymphoma: Big Data for a Rare

- Problem, *J of Surgical Oncology*. *J Surg Oncol*. 2019 Jun 11. doi: 10.1002/jso.25582. [Epub ahead of print]. PM31187517
37. Frydrych L, Ulintz P, Bankhead A, Sifuentes C, Greenson J, Maguire L, Irwin R, Fearon ER, **Hardiman KM**: Rectal Cancer Sub-Clones Respond Differentially to Neoadjuvant Therapy. *Neoplasia*. In press.
 38. De Roo AC, Morris AM, Vu JV, Schuman A, Abbott K, Kandagatla P, **Hardiman KM**, Hendren S: Characteristics of Patients Seeking Second Opinions at a Multidisciplinary Colorectal Cancer Clinic. *Dis Colon Rectum*. In Press.
 39. Kanters A, Vu J, Schuman A, Van Wieren I, DUBY A, **Hardiman K**, Hendren S: Completeness of operative reports for rectal cancer surgery. *Am J Surg*. 2019 Sep 28. pii: S0002-9610(19)30828-1. doi: 10.1016/j.amjsurg.2019.09.036. [Epub ahead of print]
 40. Hendren S, Vu J, Suwanabol P, Kamdar N, **Hardiman, KM**: Hospital variation in readmissions and visits to the emergency department following ileostomy surgery: a population-based cohort study. *J of Gastrointestinal Surgery*. In Press.
 41. Govani S, Berinstein J, Waljee A, Stidham R, Hardiman K: Use of Accelerated Induction Strategy of Infliximab for Ulcerative Colitis in Hospitalized Patients at a Tertiary Care Center. *Dig Dis and Sciences*. In Press.

Manuscripts submitted but not yet published:

1. Vu J, Morris AM, Maguire LH, De Roo AC, Mukkamala A, Krauss JC, Regenbogen SE, Hendren S, **Hardiman KM**: Development and Characteristics of a Multidisciplinary Colorectal Cancer Clinic, *Sup Care Cancer*. Submitted.

BOOK CHAPTERS:

1. **Hardiman K**, Lazrak A, Nielsen V, and Matalon S: Modulation of Active Alveolar Na⁺ Transport by Reactive Oxygen-Nitrogen Intermediates. *Physiological Aspects of Disease Markers in exhaled gases, NATO ASI Series*, edited by Nandor Marczin, Sergei Kharitonov, Magdi Yacoub and Peter J Barnes Plenum Press, New York, NY, 2001.
2. **Hardiman KM**, and Whiteford M: Laparoscopic Surgery for Benign Diseases of the Colon. *Mastery of Endoscopic and Laparoscopic Surgery*, edited by Nathan Soper, Lee Swanstrom, and Stephen Eubanks Lippincott, Williams and Wilkins, 2008.
3. **Hardiman KM**: Operative treatment of rectal prolapse trans-abdominal approach. *Operative Techniques in Surgery*, edited by Michael Mulholland Lippincott, Williams and Wilkins, 2014.
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