

Curriculum Vitae for: Stephanie Schmit, PhD, MA, MPH
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Current Position Assistant Member
Department of Cancer Epidemiology
Department of Gastrointestinal Oncology
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Current Academic Appointment Assistant Professor
Department of Oncologic Sciences
College of Medicine
University of South Florida
12901 Bruce B. Downs Boulevard
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Education

2010 – 2013 Doctor of Philosophy in Epidemiologic Science
University of Michigan, Ann Arbor, MI

2011 – 2013 Master of Arts in Statistics
University of Michigan, Ann Arbor, MI

2007 – 2009 Master of Public Health in Hospital and Molecular Epidemiology
Public Health Genetics Interdepartmental Concentration
University of Michigan, Ann Arbor, MI

2003 – 2007 Bachelor of Arts in Microbiology
Bachelor of Science in Business (Finance)
Miami University, Oxford, OH

Postgraduate Training and Fellowship Appointments

2013 – 2015 Postdoctoral Scholar – Fellowship Trainee, USC Norris Comprehensive
Cancer Center and Department of Preventive Medicine, Keck School of
Medicine, University of Southern California, Los Angeles, CA

Previous Academic Appointments and Employment

2010 – 2013 Graduate Student Research Assistant, Department of Epidemiology,
University of Michigan School of Public Health, Ann Arbor, MI

- 2009 – 2010 Visiting Scientist, Global Health Outcomes – Epidemiology/Health Services Research, Eli Lilly and Company, Indianapolis, IN
- Summer 2008 Pediatric Oncology Education Program Trainee, Department of Epidemiology & Cancer Control, St. Jude Children’s Research Hospital, Memphis, TN
- 2007 – 2009 Graduate Student Research Assistant, Kellogg Eye Center, University of Michigan, Ann Arbor, MI
- 2005 – 2007 Undergraduate Research Assistant, Department of Microbiology, Miami University, Oxford, OH
- Summer 2005 Undergraduate Summer Research Student, Department of Cell Biology, Lerner Research Institute, Cleveland Clinic, Cleveland, OH

Teaching Experience

University Courses

- 2016 – 2017 Guest Lecturer (two lectures on Colorectal Cancer Epidemiology), PHC6007: Cancer Epidemiology, College of Public Health, University of South Florida, Tampa, FL
- 2014 – 2015 Visiting Instructor (two 6-lecture series), Research and Epidemiological Principles Course, Physician Assistant Program, Des Moines University, Des Moines, IA
- September 2014 Guest Lecturer (one lecture), Introductory Epidemiology and Biostatistics Discussion Section for First Year Medical Students, Keck School of Medicine, University of Southern California, Los Angeles, CA
- 2013 – 2015 Visiting Instructor (two 10-lecture series), Patient Management – Health Promotion; Epidemiology Unit, Doctor of Physical Therapy Program, Des Moines University, Des Moines, IA
- 2007 – 2009 Graduate Student Instructor (three semesters), Biology 207: Introductory Microbiology Laboratory, Department of Biology, University of Michigan, Ann Arbor, MI

Other Courses

- December 2016 Guest Lecturer (one lecture), Epidemiological Study Design, Population Sciences Seminar Series, Moffitt Cancer Center, Tampa, FL

Teaching and Training Experience

Graduate Training/Student Advising

- 2013 – 2015 Junior mentor/advisor, Julia Sturgeon, Department of Preventive Medicine, University of Southern California, Los Angeles, CA. Mentored this MS student in statistical analysis for her Master's thesis as well as in course selection and career opportunities. Current position: Statistical Programmer at SynteractHCR, Carlsbad, CA.
- 2011 Junior mentor/advisor, Shannon Porenta, Department of Epidemiology, University of Michigan, Ann Arbor, MI. Trained this MPH student in laboratory techniques and statistical methods for her thesis. Current position: Manager of Clinical Analytics at Trinity Health, Livonia, MI.

Residents/Clinical Fellows/Post-Doctoral Trainees

- 2016 – Present Research mentor, Yohanis O'Neill, MD, MPH. General surgery resident at San Lucas Hospital, Ponce, Puerto Rico. Mentoring this clinical trainee on epidemiologic research addressing the biological mechanisms underlying Hispanic/Latino colorectal cancer disparities.

Honors and Awards

- 2015 Travel Award, Translating Cancer Epidemiology: From Cells to Clinic to Population Conference, Huntsman Cancer Institute, University of Utah, Salt Lake City, UT
- 2014 Scholar-In-Training Award, Get Your Rear In Gear – Philadelphia, American Association for Cancer Research Annual Meeting, Philadelphia, PA
- 2012 – 2013 Rackham Predoctoral Fellowship, Rackham Graduate School, University of Michigan, Ann Arbor, MI
- 2012 Rackham Conference Travel Grant, Rackham Graduate School, University of Michigan, Ann Arbor, MI
- 2012 Epidemiology Travel Grant, Department of Epidemiology, University of Michigan, Ann Arbor, MI
- 2011 – 2012 Rackham Graduate Student Research Grant, Rackham Graduate School, University of Michigan, Ann Arbor, MI

- 2011 Scholarship Awardee, 52st Annual Short Course on Medical and Experimental Mammalian Genetics, The Jackson Laboratory, Bar Harbor, ME
- 2009 Hunein F. Maassab Award for Excellence in Molecular Epidemiology, School of Public Health, University of Michigan, Ann Arbor, MI
- 2009 Merit poster designation, 37th Annual International Neuropsychological Society, Atlanta, GA
- 2008 Public Health Genetics Concentration Internship Funding, University of Michigan, Ann Arbor, MI
- 2007 – 2009 Dean's Award, School of Public Health, University of Michigan, Ann Arbor, MI
- 2007 – 2008 Maassab Student Research Stipend, School of Public Health, University of Michigan, Ann Arbor, MI
- 2007 Summa Cum Laude and University Honors, Miami University, Oxford, OH

Research Support

Current

External Grants

Grant: U01 CA206110
PI: Cornelia Ulrich (University of Utah)
Dates: 09/19/2016 – 08/31/2021
Funding Source: National Institutes of Health (NIH) / National Cancer Institute (NCI)
Title: Transdisciplinary Team Science in Colorectal Cancer Prognosis: the ColoCare Study
Percentage of Effort: 0.6 CM / 5%
Role in the Study: Co-Investigator
Total Direct Costs: \$7,780,555 (Total) \$895,341 (Moffitt)
Total Amount of Award: \$8,849,805 (Total) \$1,508,648 (Moffitt)
Goal: The ColoCare Consortium is a multicenter initiative establishing an international cohort of CRC patients for interdisciplinary studies of CRC prognosis and outcomes with sites at the Fred Hutchinson Cancer Research Center (Seattle, Washington, USA), H. Lee Moffitt Cancer Center and Research Institute (Tampa, Florida, USA), the University Hospital Heidelberg (Germany), and the

Huntsman Cancer Institute (Utah, USA). With clinical data, information on health behaviors, and universal biospecimens collected at repeat time points, ColoCare is uniquely suited for the discovery of new biomarkers of CRC treatment response and prognosis, as well as research that elucidates the influence of health behaviors on treatment efficacy and toxicity, quality-of-life, recurrence, and survival. This grant funds continued and augmented recruitment at existing ColoCare sites, expansion to two new sites that focus on ethnic/racial minorities, and performance of molecular characterization of tumor samples.

Grant: R01 CA197350
PI: Stephen Gruber (University of Southern California (USC))
Dates: 09/08/2015 – 07/31/2020
Funding Source: NIH/NCI
Title: The Epidemiology of Immune Responses in Colorectal Cancer
Percentage of Effort: 3.0 CM / 25%
Role in the Study: Co-Investigator
Total Direct Costs: \$2,043,008 (Total) \$226,849 (Moffitt)
Total Amount of Award: \$3,187,641 (Total) \$388,660 (Moffitt)
Goal: The major goal of this project is to comprehensively describe the epidemiology of host immune responses in colorectal tumors from 4,000 patients within a population-based case-control study in northern Israel. The study is designed to identify epidemiologic, clinical, and genetic factors that regulate T cell quantity and clonality, as measured by a novel next-generation DNA sequencing assay, immunoSEQ, on a population scale and advance the current understanding of prognostic factors for this common cancer.

Internal Grants

Account #: MCC 19066 / Lawson 16111007
PI: Stephanie Schmit (Co-Principal Investigator: Jamie Teer)
Dates: 02/01/2017 – 01/31/2018
Funding Source: Moffitt Cancer Center 2016 Team Science Award
Title: The Biology of Colon Cancer Disparities in Hispanic/Latinos: Mutational Landscaping of Tumors from the Puerto Rico Biobank
Percentage of Effort: 0.48 CM / 4%
Role in the Study: Co-Principal Investigator
Total Direct Costs: \$149,991
Total Amount of Award: \$149,991
Goal: The major goals of this study are to characterize the mutational landscape of Latino colon cancers from the Puerto Rico Biobank (a biorepository supported by the NCI-sponsored Ponce Health Sciences University-Moffitt Cancer Center partnership) through

whole exome sequencing and to compare somatic mutation frequencies between these Latino tumors and non-Hispanic White tumors from The Cancer Genome Atlas.

Account #: MCC 18854 / Lawson 16011202
PI: Stephanie Schmit
Dates: 07/01/2016 – 06/30/2017
Funding Source: American Cancer Society Institutional Research Grant
Title: Prognostic Gene Expression Signatures of Immune Responses in the Colon Cancer Microenvironment
Percentage of Effort: 0.6 CM / 5%
Role in the Study: Principal Investigator
Total Direct Costs: \$29,937
Total Amount of Award: \$29,937
Goal: The major goals of this study are to identify an immune-focused prognostic gene expression signature for CRC and to generate preliminary data in support of expanded future studies leveraging the Total Cancer Care protocol and biorepository at Moffitt Cancer Center.

Account #: MCC 18592 / Lawson 16030901
PI: Stephanie Schmit (Co-Principal Investigator: Christine Pierce Campbell)
Dates: 07/01/2016 – 06/31/2017
Funding Source: Miles for Moffitt Milestone Award
Title: Microbes in the tumor microenvironment: bacterial influences on host immunity and prognosis in colorectal cancer
Percentage of Effort: 0.6 CM / 5%
Role in the Study: Co-Principal Investigator
Total Direct Costs: \$100,000
Total Amount of Award: \$100,000
Goal: The major goals of this study are to characterize the bacterial communities within fresh frozen tumors from 50 primary colorectal cancer cases recruited by the Molecular Epidemiology of Colorectal Cancer (MECC) study, to measure the quantity and clonality of tumor infiltrating lymphocytes in these tumors, and to examine the association between the intratumoral bacterial microbiome and TIL metrics as well as their contribution to survival.

Pending

External Grants

Grant: R01 CA207371 (Funded, Awaiting Notice of Award)
PI: Cornelia Ulrich (University of Utah)
Dates: 04/01/2017 – 03/31/2022
Funding Source: NIH/NCI
Title: Metabolomic Strategies for Discovery and Validation of Biomarkers of Colorectal Cancer Recurrence
Percentage of Effort: 1.2 CM / 10%
Role in the Study: Co-Investigator
Total Direct Costs: \$1,767,253* (Total) \$484,211* (Moffitt) *Requested
Total Amount of Award: \$2,691,072* (Total) \$832,843* (Moffitt) *Requested
Goal: The overarching goal of this project is to discover and verify novel blood-based metabolite biomarkers that predict and/or detect recurrence among CRC patients in the ColoCare Study. The specific aims are (1) to use state-of-the art, well-validated metabolomic platforms to discover and verify novel and robust biomarkers predictive of recurrence among CRC patients and (2) to discover and verify novel and robust metabolomic biomarkers for the early detection of CRC recurrence.

Grant: R01 AI135272
PI: Stephen Gruber (USC)
Dates: 09/01/2017 – 08/30/2022
Funding Source: NIH/NCI
Title: The Epidemiology of Immune Responses in Melanoma
Percentage of Effort: 1.2 CM / 10%
Role in the Study: Site Principal Investigator
Total Direct Costs: \$2,964,519 (Total) \$660,561 (Moffitt)
Total Amount of Award: \$4,163,999 (Total) \$1,136,165 (Moffitt)
Goal: The major goals of this study are to quantify and characterize T cell infiltration; to interrogate the somatic mutational landscape and transcriptome; and to estimate the independent prognostic effect of T cell infiltration for 1,000 primary invasive cutaneous melanomas (500 from USC, 500 from Moffitt).

Grant: R01 CA223478
PI: Stephen Gruber (USC)
Dates: 09/01/2017 – 08/30/2022
Funding Source: NIH/NCI
Title: Sequencing Clonal Immune Responses in Colorectal Cancer
Percentage of Effort: 0.24 CM / 2%
Role in the Study: Co-Investigator
Total Direct Costs: \$2,516,031 (Total) \$16,105 (Moffitt)

Total Amount of Award: \$4,134,199 (Total) \$27,700 (Moffitt)
Goals: The major goal of this study is to interrogate the exomes of 750 colorectal cancer-adjacent normal tissue pairs to identify predicted neoantigens and measure the co-occurrence of predicted antigenic peptides across four validated Colorectal Molecular Subtypes. This study will integrate data from exome sequencing and T cell receptor sequencing to predict the protein sequences of neoantigen-related peptides and corresponding receptors, ultimately increasing our knowledge of the immunogenicity of CRC-specific tumor neoantigens and offering insight into new therapeutic strategies.

Completed

External Grants

Grant: T32 ES013678
PI: Stanley Azen (University of Southern California)
Dates: August 2013 – August 2015
Source of Funding: NIH/National Institute of Environmental Health Sciences
Title: University of Southern California Training Program in Environmental Genomics
Role in the Study: Postdoctoral Fellow
Goal: The major goal of this program is to provide multi-disciplinary training at the intersection of environmental, genetic, and molecular epidemiology as well as biostatistics and bioinformatics.

Grant: T32 HG000040
PI: Michael Boehnke (University of Michigan)
Dates: August 2010 – August 2012
Source of Funding: NIH/National Human Genome Research Institute
Title: University of Michigan Genome Science Training Program Institutional Training Grant in Genomic Science
Role in the Study: Predoctoral Fellow
Goal: The major goal of this program is to train fellows at the interface of biostatistics, human genetics, genomics, and epidemiology.

Grant: R25 CA23944
PI: Suzanne Gronemeyer (St. Jude)
Dates: Summer 2008
Source of Funding: NIH/NCI
Title: St. Jude Children's Research Hospital Pediatric Oncology Education Program
Role in the Study: Graduate Student Trainee
Goal: The major goal of this program is to provide a short-term training experience in biomedical and oncology research.

Thesis

Master of Public Health in Hospital and Molecular Epidemiology, University of Michigan, Ann Arbor, MI

Title: The association of a matrix metalloproteinase 9 (*MMP9*) gene single nucleotide polymorphism with plateau iris syndrome in Caucasian patients

Advisor: Julia Richards, PhD

Master of Arts in Statistics, University of Michigan, Ann Arbor, MI

Title: The impact of exposure-biased sampling designs on detection of gene-environment interactions in case-control studies with potential exposure misclassification

Advisor: Bhramar Mukherjee, PhD

Dissertation

Doctor of Philosophy in Epidemiologic Science, University of Michigan, Ann Arbor, MI

Title: Genome-wide approaches to identifying the etiologies of complex diseases: applications in colorectal cancer and congenital heart disease

Advisor: Stephen B. Gruber, MD, PhD, MPH

Service

Service at Moffitt Cancer Center

December 2016 – Present

Member, Ponce School of Medicine-Moffitt Cancer Center Partnership
Community Health Educator Screen to Save Initiative Task Force, Moffitt
Cancer Center, Tampa, FL

January 2016

Session Chair - Approaches to identify candidate susceptibility genes: 3C, eQTL, mQTL, Functional Genomics of Cancer Susceptibility Meeting, Moffitt Cancer Center, Tampa, FL

Service at the University of South Florida

February 19, 2016

Poster Judge, USF Health 2016 Research Day, Poster Competition - Empirical Studies, MCOM Med III Students, Tampa, FL

Service at the University of Michigan School of Public Health

Committees:

2010 – 2013 **Member**, Epidemiology Doctoral Student Organization
2011 – 2013 **Member**, Committee to Develop Epidemiology Teaching Resources
2009 **Student Member**, Epidemiology Admissions Committee

Service at Miami University

Committees:

2003 – 2005 **Member**, Academic Affairs Coalition, Miami University Associated Student Government
2003 **Member**, Communications Committee, Miami University Associated Student Government

Service to my Profession

2017 – Present **Editorial Board**: The Gastric Cancer Journal - Official Journal of No Stomach For Cancer

2015 – Present **Ad Hoc Reviewer**: European Journal of Human Genetics, Disease Markers, Cancer Medicine

March 2016 **High School Essay Judge**, American Society of Human Genetics 2016 DNA Day Essay Contest

Service in the Community

2011 – 2013 **Member**, Public Health Action Support Team, School of Public Health, University of Michigan
• Assessed infectious disease public health issues and disease risk profiles as part of a measles outbreak investigation team in Tianjin, China
• Explored public health strengths and threats in communities surrounding sugar plantation and waste facilities in the Dominican Republic

Professional Association Memberships

2016 – Present **Member**, American Association for Cancer Research (including Molecular Epidemiology Working Group)
2013 – 2015 **Associate Member**, American Association for Cancer Research
2012 – Present **Member**, International Genetic Epidemiology Society
2010 – Present **Member**, American Society of Human Genetics
2004 – 2010 **Student Member**, American Society for Microbiology

Peer Reviewed Publications

† Last name changed from Stenzel to Schmit in 2014

Published Articles

1. Wang H, **Schmit SL**, Haiman CA, Keku TO, Kato I, Palmer JR, Van Den Berg D, Wilkens LR, Burnett T, Conti DV, Schumacher FR, Signorello LB, Blot WJ, Zanetti KA, Harris C, Pande M, Berndt SI, Newcomb PA, West DW, Haile R, Stram DO, Figueiredo JC; Hispanic Colorectal Cancer Study, Le Marchand L. Novel colon cancer susceptibility variants identified from a genome-wide association study in African Americans. *Int J Cancer*. 2017 March 13. doi: 10.1002/ijc.30687. [Epub ahead of print]. PMID: 28295283.
2. Amos CI, Dennis J, Wang Z, Byun J, Schumacher FR, Gayther SA, Casey G, Hunter DJ, Sellers TA, Gruber SB, Dunning AM, Michailidou K, Fachal L, Doheny K, Spurdle AB, Li Y, Xiao X, Romm J, Pugh E, Coetzee GA, Hazelett DJ, Bojesen SE, Caga-Anan C, Haiman CA, Kamal A, Luccarini C, Tessier D, Vincent D, Bacot F, Van Den Berg DJ, Nelson S, Demetriades S, Goldgar DE, Couch FJ, Forman JL, Giles GG, Conti DV, Bickeböllner H, Risch A, Waldenberger M, Brüske-Hohlfeld I, Hicks BD, Ling H, McGuffog L, Lee A, Kuchenbaecker K, Soucy P, Manz J, Cunningham JM, Butterbach K, Kote-Jarai Z, Kraft P, FitzGerald L, Lindstrom S, Adams M, McKay JD, Phelan CM, Benlloch S, Kelemen LE, Brennan P, Riggan M, O'Mara TA, Shen H, Shi YY, Thompson DJ, Goodman MT, Nielsen SF, Berchuck A, Laboissiere S, **Schmit SL**, Shelford T, Edlund CK, Taylor JA, Field JK, Park SK, Offit K, Thomassen M, Schmutzler R, Ottini L, Hung RJ, Marchini J, Amin Al Olama A, Peters U, Eeles RA, Seldin MF, Gillanders E, Seminara D, Antoniou AC, Pharoah PD, Chenevix-Trench G, Chanock SJ, Simard J, Easton DF. The OncoArray Consortium: a Network for Understanding the Genetic Architecture of Common Cancers. *Cancer Epidemiol Biomarkers Prev*. 2016 Oct 3. pii: cebp.0106.2016. [Epub ahead of print]. PMID: 27697780.
3. Fehring G, Kraft P, Pharoah PD, Eeles RA, Chatterjee N, Schumacher FR, Schildkraut JM, Lindström S, Brennan P, Bickeböllner H, Houlston RS, Landi MT, Caporaso N, Risch A, Amin Al Olama A, Berndt SI, Giovannucci EL, Grönberg H, Kote-Jarai Z, Ma J, Muir K, Stampfer MJ, Stevens VL, Wiklund F, Willett WC, Goode EL, Permuth JB, Risch HA, Reid BM, Bezieau S, Brenner H, Chan AT, Chang-Claude J, Hudson TJ, Kocarnik JK, Newcomb PA, Schoen RE, Slattery ML, White E, Adank MA, Ahsan H, Aittomäki K, Baglietto L, Blomquist C, Canzian F, Czene K, Dos-Santos-Silva I, Eliassen AH, Figueroa JD, Flesch-Janys D, Fletcher O, Garcia-Closas M, Gaudet MM, Johnson N, Hall P, Hazra A, Hein R, Hofman A, Hopper JL, Irwanto A, Johansson M, Kaaks R, Kibriya MG, Lichtner P, Liu J, Lund E, Makalic E, Meindl A, Müller-Myhsok B, Muranen TA, Nevanlinna H, Peeters PH, Peto J, Prentice RL, Rahman N, Sanchez MJ, Schmidt DF, Schmutzler RK, Southey MC, Tamimi R, Travis RC, Turnbull C, Uitterlinden AG, Wang Z, Whittemore AS, Yang XR, Zheng W, Buchanan DD, Casey G, Conti DV, Edlund CK, Gallinger S, Haile RW, Jenkins M, Le Marchand L, Li L, Lindor NM, **Schmit SL**, Thibodeau SN, Woods MO, Rafnar T, Gudmundsson J, Stacey SN, Stefansson K, Sulem P, Chen YA, Tyrer JP, Christiani DC, Wei Y, Shen H, Hu Z, Shu XO, Shiraishi K, Takahashi A, Bossé Y, Obeidat M, Nickle D, Timens W, Freedman ML, Li Q, Seminara D, Chanock SJ, Gong J, Peters U, Gruber SB, Amos CI, Sellers TA, Easton DF, Hunter DJ, Haiman CA, Henderson BE, Hung RJ. Cross-Cancer

- Genome-Wide Analysis of Lung, Ovary, Breast, Prostate, and Colorectal Cancer Reveals Novel Pleiotropic Associations. *Cancer Res.* 2016 Sep 1; 76(17):5103-14. doi: 10.1158/0008-5472.CAN-15-2980. Epub 2016 Apr 20. PMID: 27197191. PMCID: PMC5010493.
4. **Schmit SL**, Schumacher FR, Edlund CK, Conti DV, Ihenacho U, Wan P, Van Den Berg D, Casey G, Fortini BK, Lenz H-J, Tusié-Luna T, Aguilar-Salinas CA, Moreno-Macías H, Huerta-Chagoya A, Ordóñez-Sánchez ML, Rodríguez-Guillén R, Cruz-Bautista I, Rodríguez-Torres M, Muñoz-Hernández LL, Arellano-Campos O, Gomez D, Alvirde U, González-Villalpando C, González-Villalpando ME, Le Marchand L, Haiman CA, Figueiredo JC. Genome-wide Association Study of Colorectal Cancer in Hispanics. *Carcinogenesis.* 2016 June; 37(6):547-56.doi:10.1093/carcin/bgw046. Epub 2016 April 18. PMID: 27207650. PMCID: PMC4876992.
 5. Rozek L*, **Schmit SL***, Greenson J, Tomsho L, Rennert HS, Rennert G, Gruber SB. Tumor-infiltrating lymphocytes and Crohn's-life host response predict survival from colorectal cancer. *J Natl Cancer Inst.* 2016 May 12;108(8). Pii:djw027. doi:10.1093/jnci/djw027. Print 2016 Aug. PMID: 27172903. PMCID: PMC5017930. *Co-first authors.
 6. **Schmit SL**, Rennert HS, Rennert G, Gruber SB. Coffee Consumption and the Risk of Colorectal Cancer. *Cancer Epidemiol Biomarkers Prev.* 2016 Apr;25(4):634-9. doi: 10.1158/1055-9965.EPI-15-0924. PMID: 27196095. PMCID: PMC4874555.
 7. Zeng C, Matsuda K, Jia WH, Chang J, Kweon SS, Xiang YB, Shin A, Jee SH, Kim DH, Zhang B, Cai Q, Guo X, Long J, Wang N, Courtney R, Pan ZZ, Wu C, Takahashi A, Shin MH, Matsuo K, Matsuda F, Gao YT, Oh JH, Kim S, Jung KJ, Ahn YO, Ren Z, Li HL, Wu J, Shi J, Wen W, Yang G, Li B, Ji BT; Genetics and Epidemiology of Colorectal Cancer Consortium (GECCO), Brenner H, Schoen RE, Küry S; Colorectal Transdisciplinary (CORECT) Study, Gruber SB, Schumacher FR, **Schmit SL**; Colon Cancer Family Registry (CCFR), Casey G, Hopper JL, Jenkins MA, Kim HR, Jeong JY, Park JW, Tajima K, Cho SH, Kubo M, Shu XO, Lin D, Zeng YX, Zheng W. Identification of Susceptibility Loci and Genes for Colorectal Cancer Risk. *Gastroenterology.* 2016 Jun;150(7):1633-45. doi: 10.1053/j.gastro.2016.02.076. Epub 2016 Mar 8. PMID: 26965516. PMCID: PMC4909543.
 8. Boonstra PS, Gruber SB, Ahn J, **Schmit SL**, Chatterjee N, Mukherjee B. Tests for Gene-Environment Interactions and Joint Effects with Exposure Misclassification. *Am J Epidemiol.* 2016 Feb;183(3):237-47. doi: 10.1093/aje/kwv198. Epub 2016 Jan 10. PMID: 26755675. PMCID: PMC4724093.
 9. Markowitz SD, Nock NL, **Schmit SL**, Stadler ZK, Joseph V, Zhang L, Willis JE, Scacheri P, Veigl M, Adams MD, Raskin L, Sullivan JF, Stratton K, Shia J, Ellis N, Rennert HS, Manschreck C, Li L, Offit K, Elston RC, Rennert G, Gruber SB. A Germline Variant on Chromosome 4q31.1 Associates with Susceptibility to Developing Colon Cancer Metastasis. *PLoS One.* 2016 Jan 11;11(1):e0146435. doi: 10.1371/journal.pone.0146435. eCollection 2016. PMID: 26751797. PMCID: PMC4709047.

10. **Schmit SL**, Figuieredo JC, Cortessis VK, Thomas DC. The Influence of Screening for Precancerous Lesions on Family-Based Genetic Association Tests: An Example of Colorectal Polyps and Cancer. *Am J Epidemiol*. 2015 Oct 15;182(8):714-22. doi: 10.1093/AJE/KWV128. Epub 2015 Aug 24. PMID: 26306664. PMCID: PMC4597802.
11. Schumacher FR*, **Schmit SL***, Jiao S*, Edlund CK, Wang H, Zhang B, Hsu L, Huang SC, Fischer CP, Harju JF, Idos GE, Lejbkowitz F, Manion FJ, McDonnell K, McNeil CE, Melas M, Rennert HS, Shi W, Thomas DC, Van Den Berg DJ, Hutter CM, Aragaki AK, Butterbach K, Caan BJ, Carlson CS, Chanock SJ, Curtis KR, Fuchs CS, Gala M, Giovannucci EL, Gogarten SM, Hayes RB, Henderson B, Hunter DJ, Jackson RD, Kolonel LN, Kooperberg C, Kury S, LaCroix A, Laurie CC, Laurie CA, Lemire M, Levine D, Ma J, Makar KW, Qu C, Taverna D, Ulrich CM, Wu K, Kono S, West DW, Berndt SI, Bezieau S, Brenner H, Campbell PT, Chan AT, Chang-Claude J, Coetzee GA, Conti DV, Duggan D, Figueiredo JC, Fortini BK, Gallinger SJ, Gauderman WJ, Giles G, Green R, Haile R, Harrison TA, Hoffmeister M, Hopper JL, Hudson TJ, Jacobs E, Iwasaki M, Jee SH, Jenkins M, Jia WH, Joshi A, Li L, Lindor NM, Matsuo K, Moreno V, Mukherjee B, Newcomb PA, Potter JD, Raskin L, Rennert G, Rosse S, Severi G, Schoen RE, Seminara D, Shu XO, Slattery ML, Tsugane S, White E, Xiang YB, Zanke BW, Zheng W, Le Marchand L, Casey G, Gruber SB, Peters U. Genome-wide association study of colorectal cancer identifies six new susceptibility loci. *Nat Commun*. 2015 Jul 7; 6:7138. doi: 10.1038/ncomms8138. PMID: 26151821. PMCID: PMC4967357. *Co-first authors.
12. **Schmit SL**, Gollub J, Shapero MH, Huang SC, Rennert HS, Finn A, Rennert G, Gruber SB. MicroRNA polymorphisms and risk of colorectal cancer. *Cancer Epidemiol, Biomarkers Prev*. 2015 Jan; 24(1):65-72. doi: 10.1158/1055-9965.EPI-14-0219. Epub 2014 Oct 23. PMID: 25342389.
13. **Stenzel SL**[†], Ahn J, Boonstra PS, Gruber SB, Mukherjee B. The impact of exposure-biased sampling designs on detection of gene-environment interactions in case-control studies with potential exposure misclassification. *Eur J Epidemiol*. 2015 May; 30(5):413-23. doi: 10.1007/s10654-014-9908-1. Epub 2014 Jun 4. PMID: 24894824. PMCID: PMC4256150.
14. Wang H, Burnett T, Kono S, Haiman CA, Iwasaki M, Wilkens LR, Loo L, Kolonel LN, Henderson BE, Keku TO, Sandler RS, Signorello LB, Blot WJ, Newcomb PA, Pande M, Amos CI, West DW, Bézieau S, Berndt SI, Zanke B, Hsu L; GECCO consortium members; Lindor NM, Hail RW, Hopper JL, Jenkins MA, Gallinger S, Casey G; CCFR consortium members; **Stenzel SL**[†], Schumacher FR, Peters U, Gruber SB; CORECT consortium members; Tsugane S, Stram DO, Le Marchand L. Trans-ethnic genome-wide association study of colorectal cancer identifies a new susceptibility locus in VTI1A. *Nat Commun*. 2014 Aug 8;5:4613. doi: 10.1038/ncomms5613. PMID: 25105248. PMCID: PMC4180879.
15. **Schmit SL**, Schumacher FR, Edlund CK, Conti DV, Raskin L, Lejbkowitz F, Pinchev M, Rennert HS, Jenkins MA, Hopper JL, Buchanan DD, Lindor NM, Le Marchand L, Gallinger S, Haile RW, Newcomb PA, Huang SC, Rennert G, Casey G, Gruber SB. A novel colorectal cancer risk locus at 4q32.2 identified from an international genome-wide association

study. *Carcinogenesis*. 2014 Nov;35(11):2512-9. doi: 10.1093/carcin/bgu148. Epub 2014 Jul 14. PMID: 25023989. PMCID: PMC4271131.

16. Zhang B, Jia WH, Matsuda K, Kweon SS, Matsuo K, Xiang YB, Shin A, Jee SH, Kim DH, Cai Q, Long J, Shi J, Wen W, Yang G, Zhang Y, Li C, Li B, Guo Y, Ren Z, Ji BT, Pan ZZ, Takahashi A, Shin MH, Matsuda F, Gao YT, Oh JH, Kim S, Ahn YO; Genetics and Epidemiology of Colorectal Cancer Consortium (GECCO), Chan AT, Chang-Claude J, Slattery ML; Colorectal Transdisciplinary (CORECT) Study, Gruber SB, Schumacher FR, **Stenzel SL**[†]; Colon Cancer Family Registry (CCFR), Casey G, Kim HR, Jeong JY, Park HW, Li HL, Hosono S, Cho SH, Kubo M, Shu XO, Zeng YX, Zheng W. Large-scale genetic study in East Asians identifies six new associated with colorectal cancer risk. *Nat Genet*. 2014 Jun; 46(6):533-42. doi: 10.1038/ng.2985. Epub 2014 May 18. PMID: 24836286. PMCID: PMC4068797.
17. Vilar E, Bartnik CM, **Stenzel SL**[†], Raskin L, Ahn J, Moreno V, Mukherjee B, Iniesta MD, Morgan MA, Rennert G, Gruber SB. MRE11 deficiency increases sensitivity to poly(APD-ribose) polymerase inhibition in microsatellite unstable colorectal cancers. *Cancer Res*. 2011 Apr 1;71(7):2632-42. doi: 10.1158/0008-5472.CAN-10-1120. Epub 2011 Feb 7. PMID: 21300766. PMCID: PMC3407272.
18. **Stenzel SL**[†], Krull KR, Hockenberry M, Jain N, Kaemingk K, Micketova P, Moore IM. Oxidative stress and neurobehavioral problems in pediatric acute lymphoblastic leukemia patients undergoing chemotherapy. *J Pediatr Hematol Oncol*. 2010 Mar;32(2):113-8. doi: 10.1097/MPH.0b013e3181c9af84. PMID: 20098337. PMCID: PMC3392027.

Submitted Articles

1. **Schmit SL**^{*}, Edlund CK^{*}, Schumacher FR^{*}, Gong J^{*}, Harrison TA, Huyghe JR, Van Den Berg DJ *et al*. Eleven novel genetic susceptibility loci for colorectal cancer discovered in 49,033 cases and 52,947 controls. *J Natl Cancer Inst*. 2017 March. ^{*}Co-first authors.
2. Ricker C, Hanna DL, Peng C, Nathalie Nguyen N, **Schmit SL**, Idos G, Ihenacho U, Patel R, Tsai S, Ramirez V, Lin S, Shamasunadara V, Barzi A, Lenz HJ, Figueiredo JC. DNA mismatch repair deficiency and hereditary syndromes in Latinos with colorectal cancer. *Cancer*. 2017 Jan.

Non-Peer Reviewed Publications

Alternative Media: Lay Press Interview

Rettner R. Drinking Coffee May Cut Risk of Colon Cancer. April 8, 2014.

<http://www.livescience.com/44688-drinking-coffee-may-cut-risk-of-colon-cancer.html>

Scientific Abstracts/Poster Presentations/Oral Presentations

† Last name changed from Stenzel to Schmit in 2014

‡ Selected for oral presentation

Bien SA, Guo X, Su YR, Harrison TA, Qu C, Lu Y, Long J, Chen S, Chan AT, Conti DV, Kang HM, Hoffmeister M, Hudson TJ, Jenkins MA, Le Marchand L, Newcomb PA, Slattery ML, White E, Abegasis GR, Gruber SB, Nickerson DA, **Schmit SL**, Casey G, Hsu L, Zheng W, Peters U, GECCO-CCFR-AAAC-CORECT. Genetic predictors of gene expression associated with risk of colorectal cancer. American Association for Cancer Research Annual Meeting, April 3, 2017. *AACR*. 2017.

Rozek L, **Schmit SL**, Greenson J, Tomsho L, Rennert HS, Rennert G, Gruber SB. Tumor Infiltrating Lymphocytes (TILs), Crohn's-like Lymphoid Reaction, and Survival from Colorectal Cancer" Translating Cancer Epidemiology: From Cells to Clinic and Populations. Salt Lake City, UT. October 24, 2015. ‡

Stenzel SL, Figueiredo JC, Cortessis VK, Thomas DC. Impact of Screening for Precancerous Lesions on Family-Based Genetic Association Tests: An Example of Colorectal Polyps and Cancer. American Society of Human Genetics Annual Meeting, October 19, 2014. *Amer Soc Human Genetics*. 2014; Abstract 1848S:424.

Stenzel SL, Rennert HS, Rennert G, Gruber SB. Coffee consumption and the risk of colorectal cancer. American Association for Cancer Research Annual Meeting, April 7, 2014. *AACR*. 2014; Abstract1848S:424.

Wang H, Burnett T, Kono S, Haiman CA, Iwasaki M, Wilkens LR, Loo L, Kolonel LN, Henderson BE, Keku TO, Sandler RS, Signorello LB, Blot WJ, Newcomb PA, Pande M, Amos CI, West DW, Bézieau S, Berndt SI, Zanke B, Hsu L; GECCO consortium members; Lindor NM, Hail RW, Hopper JL, Jenkins MA, Gallinger S, Casey G; CCFR consortium members; **Stenzel SL**, Schumacher FR, Peters U, Gruber SB; CORECT consortium members; Tsugane S, Stram DO, Le Marchand L. Trans-ethnic genome-wide association study identifies a new susceptibility locus in *VTIIA* for colorectal cancer. American Association for Cancer Research Annual Meeting. April 7, 2014. *AACR*. 2014; Abstract nr LB-282.

Stenzel S, Stevens K, Lyons R, Gruber SB, Gruber PJ. Identification of potentially causal variants for complex congenital heart disease through whole-genome sequencing. European Society of Human Genetics. June 10, 2013. *ESHG*. 2014; Abstract P04.18.

Stenzel SL, Gollub J, Shapero M, Finn A, Rennert G, Gruber SB. MicroRNA target site polymorphisms and colorectal cancer risk in the Ashkenazi Jewish population. American Association for Cancer Research Annual Meeting. April 9, 2013. *AACR*. 2013;73(8 Suppl): Abstract nr 2560.

Stenzel S, Ahn J, Mukherjee B. The Impact of Exposure Misclassification and Exposure-biased Sampling on Power for Detecting Gene-by-Environment Interactions in Case-control Studies. *Genetic Epidemiology*. 2012;36(7). Hoboken, NJ: Wiley-Blackwell, 2012.

Stenzel SL, Stevens K, Gornick M, Xu J, Lyons R, Juhr D, Gruber SB, Gruber PJ. The genetic basis of hypoplastic left heart syndrome: identification of potentially causal variants through whole-genome sequencing. 52nd Annual Short Course on Experimental and Human Genetics Poster Session. The Jackson Laboratory. July 20, 2011.

Stenzel SL, Moore IM, Jain N, Hockenberry MJ, Kaemingk KL, Krull KR. Oxidative Stress and Neurobehavioral Problems in Pediatric ALL Patients Undergoing Chemotherapy (ID 541603). *J Intern Neuropsychol Soc.* 2009. 15 (Supplement S1):83.

Rozek L, Schmit SL, Greenson JK, Tomsho L, Rennert HS, et al. Tumor Infiltrating Lymphocytes (TILs), Crohn's-Like Lymphoid Reaction, and Survival from Colorectal Cancer. Translating Cancer Epidemiology: From Cells to Clinic and Populations; October 24, 2015. Salt Lake City, UT.

Invited Seminars

Molecular Epidemiology of Colorectal Cancer Study Investigators Meeting, USC Norris Comprehensive Cancer Center, Los Angeles, CA, February 2017. Tumor Infiltrating Lymphocyte Genome-wide Association Study Analysis.

Molecular Epidemiology of Colorectal Cancer Study Investigators Meeting, USC Norris Comprehensive Cancer Center, Los Angeles, CA, November 2015. TILs, Crohn's-like Lymphoid Reaction and Survival.

Molecular Epidemiology of Colorectal Cancer (MECC) Study Investigators Meeting, USC Norris Comprehensive Cancer Center, Los Angeles, CA, November 2015. Colorectal Transdisciplinary Study/MECC Genome-wide Association Study Results.

Genetic Epidemiology Seminar Series, USC Norris Comprehensive Cancer Center, Los Angeles, CA, October 2014. Overview of the American Association for Cancer Research Integrative Molecular Epidemiology Workshop.

Case Comprehensive Cancer Center, Cleveland, OH, April 2013. Identifying novel colorectal cancer susceptibility loci through agnostic and targeted genome-wide association studies.

Enriching Scholarship, Center for Research on Learning and Teaching, University of Michigan, Ann Arbor, MI, May 2012. Getting Started with Cyberinfrastructure.

Cyberinfrastructure Days, Office of Research Cyberinfrastructure, University of Michigan, Ann Arbor, MI, November 2011. Getting Started with Cyberinfrastructure: Insights from a Panel of Students.

Genome Science Training Program Orientation, University of Michigan. Ann Arbor, MI. September 2011. Genomic Epidemiology and Mutation Signatures of Paternal Smoking in Pediatric Acute Lymphoblastic Leukemia.

Other Education

- August 2014 Integrative Molecular Epidemiology Workshop, American Association for Cancer Research, Boston, MA (1 week, competitively selected participant)
- April 2014 17th Annual Grant Writing Workshop, American Association for Cancer Research (1 day)
- July 2011 52nd Annual Short Course on Experimental and Human Genetics, The Jackson Laboratory (2 weeks, competitively selected participant)