

CHERYL THOMPSON, PHD

MAY 10, 2016

PERSONAL INFORMATION

Name: Thompson, Cheryl L.

Education

School: Case Western Reserve University
Degree: BSE – Computer Engineering
Dates: 1994-2000

School: Case Western Reserve University
Degree: MS – Computer Science
Dates: 2001-2003

School: Case Western Reserve University
Degree: PhD – Genetic and Molecular Epidemiology
Dates: 2003-2007

School: Case Western Reserve University Weatherhead School of Management
Degree: Certificate – Women in Leadership
Dates: 2011

Post-Graduate Fellowship

Institution: Case Western Reserve University
Position: Fellow
Mentor: Li Li, MD, PhD
Topic: Computational Genomic Epidemiology of Cancer
Dates: 2007-2009

Ph.D. Thesis

Title: Stratified Linkage Analysis Based on Population Substructure
Ph.D. Thesis Committee: Courtney Gray-McGuire, PhD (Chair), Sudha Iyengar, PhD, Benjamin Rybicki, PhD, Catherine Stein, PhD

Contact Information

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PROFESSIONAL APPOINTMENTS

Position/Rank: Director of Master's Programs
Institution/Department: Case Western Reserve University School of Medicine
Dates: April 2015-current

ACADEMIC APPOINTMENTS

Position/Rank: Assistant Professor
Institution/Department: Case Western Reserve University Department of Nutrition
Dates: December 2015-current

Position/Rank: Assistant Professor
Institution/Department: Case Western Reserve University Department of Family Medicine and Community Health
Dates: January 2010-December 2015

Position/Rank: Senior Instructor
Institution/Department: Case Western Reserve University Department of Family Medicine and Community Health
Dates: January 2009-December 2009

HONORS AND AWARDS

1. American Society of Preventive Oncology Poster Presentation – 2nd Place, March 2014
2. National Institutes of Health Loan Repayment Program Awardee, 2010-2011
3. National Cancer Institute Transdisciplinary Research in Energetic and Cancer Centers Trainee Award for Excellence, June 2010
4. American Society of Preventive Oncology New Investigator's Workshop, March 2008
5. National Eye Institute Association for Research in Vision and Ophthalmology Annual Meeting Travel Grant, May 2005

MEMBERSHIP IN PROFESSIONAL SOCIETIES

1. American Society of Preventive Oncology, Member, 2008-current
2. Alliance Cooperate Group, Member, 2014-current
3. International Genetic Epidemiology Society, Member, 2004-2011
4. American Society of Human Genetics, Member, 2005-2013
5. American Association for the Advancement of Science, Member, 2005-2008
6. Association for Research in Vision and Ophthalmology, Member, 2004-2007

PROFESSIONAL SERVICES

Editorial Boards

1. Journal: Frontiers in Applied Genetic Epidemiology
Dates of Service: 2011-current

Study Sections/Grant Review Committees

1. Section/Committee: NIH/NCI Special Emphasis Panel ZCA1 SRLB-D – Omnibus Epidemiology
Dates of Service: April 15-16, 2010
2. Section/Committee: NIH/NCI Special Emphasis Panel ZCA1 SRLB-D – Omnibus Epidemiology
Dates of Service: November 17-18, 2011
3. Section/Committee: NIH/NCI Special Emphasis Panel ZCA1 SRLB-D – Omnibus Epidemiology
Dates of Service: March 22-23, 2012
4. Section/Committee: NIH/NCI Special Emphasis Panel ZCA1 SRLB-D – Omnibus Epidemiology
Dates of Service: June 2012
5. Section/Committee: NIH/NCI Special Emphasis Panel ZCA1 SRLB-D – Omnibus Epidemiology
Dates of Service: July 18-19, 2013
6. Section/Committee: NIH/NCI Special Emphasis Panel ZCA1 SRLB-D – Omnibus Epidemiology
Dates of Service: November 7, 2013
7. Section/Committee: Department of Defense Breast Cancer Research Program, Detection, Diagnosis and Prognosis (DDP) Panel
Dates of Service: March 12-14, 2014
Turned down two invitations to this panel in 2015
8. Section/Committee: NIH/NCI Special Emphasis Panel ZCA1 SRLB-D – Omnibus Epidemiology
Dates of Service: March 21, 2014
9. Section/Committee: NIH/NCI Special Emphasis Panel ZCA1 SRLB-D – Omnibus Epidemiology
Dates of Service: June 18, 2014
10. Section/Committee: NIH/NCI Special Emphasis Panel ZCA1 SRLB-D – Omnibus Epidemiology
Dates of Service: April 30, 2015

11. Section/Committee: Department of Defense Breast Cancer Research Program, Epidemiology Panel
Dates of Service: July 14, 2016

COMMITTEE SERVICE

National

1. Organization: American Society of Preventive Oncology
Committee Name/Role: Executive Committee
Dates of Service: 2012-current
2. Organization: American Society of Preventive Oncology
Committee Name/Role: Chair All Level Career Development Special Interest Group
Dates of Service: 2012-current
3. Organization: American Society of Preventive Oncology
Committee Name/Role: Annual Meeting Program Committee Member
Dates of Service: 2012, 2014
4. Organization: Alliance Cooperate Group (formerly CALGB)
Committee Name/Role: Health Disparities Committee Member
Dates of Service: 2014-current

Local

1. Committee Name/Role: Chair, Populations Studies Focus Group, Breast Cancer Program, Case Comprehensive Cancer Center
Dates of Service: 2013-2015
2. Committee Name/Role: Dean's *Ad Hoc* Award Advisory Committee
Dates of Service: 2012-current

Educational Committees

1. Committee Name/Role: School of Medicine Curriculum Committee
Dates of Service: May 2015-current
2. Committee Name/Role: School of Medicine *Ad Hoc* Program Review Committee
Dates of Service: June 2015-current
3. Committee Name/Role: Search Committee Member, Director of Didactic Curriculum, Physician Assistant Program
Dates of Service: June 2015-October 2015
4. Committee Name/Role: Search Committee Chair, Department of Nutrition new faculty candidate
Dates of Service: February 2016-June 2015

TEACHING ACTIVITIES

Curriculum/Course Development

1. MGRD 410 – Clinical Inquiry (IQ): A 3 credit graduate course designed for pre-MD students in School of Medicine to expose them to clinical cases and the IQ process. Development: June-December 2015. Taught when first offered in Spring 2016 (11 students).
2. MGRD 610 – Internship in Biomedical Sciences: a non-graded internship for graduate students in the School of Medicine to receive specific applied training in their area of study. Developed October 2015 –March 2016. First offered Spring 2016 (2 students).

Presentations

1. “Introduction to Genetic Epidemiology”, Pediatric Psychology Graduate Student Seminar, Fall 2012, Fall 2013
2. “Research in Epidemiology”, DENT 501 seminar series, Spring 2011, Spring 2012

3. “Breast Cancer Epidemiology”, EPBI 497: Cancer Epidemiology, Guest Speaker, Fall 2010
4. “K-awards for lunch”, Office of Graduate Studies Professional Skills Program, Fall 2009
5. “Writing an NIH Career Development Award”, Office of Graduate Studies Professional Skills Program, Spring 2009.

Trainees / Mentees

Medical student research mentor:

1. Matthew Morton, 2011-2014, currently Resident at Emory University. *Awarded Brian Werbel Memorial Fund Trainee Award for Cancer Research. Graduated with Research Honors.*
2. Emeka C. Anyanwu, Summer 2011, Resident
3. Leeann Pavlek, Summer 2011, Resident
4. Ali Khawaja, June-December 2012, Resident
5. Tiffany Kenison, 2012-2013, Resident
6. Mobosola Adebisi, 2014-2016, Will begin residency in 2016
7. Sahana Somasegar, 2014-ongoing, in training
8. Kevin Allan, 2014-ongoing, in training

Post-doctoral research mentor:

1. Santosh Rao, MD, 2011-2012 (primary mentor), Oncologist, MD Anderson Cancer Center
2. Hira Irfan, MD, 2015-ongoing (primary mentor), in training

Ph.D. candidate committee member:

1. Svetlana Zelenskiy, 2009-2013

Master’s level student research mentor:

1. Veronica Salvas, 2005-2007, Project Manager, New York State Office of Alcoholism and Substance Abuse Services
2. Kassandra Auker, 2005-2008, Resident at Nationwide Children’s Hospital
3. Jessica Jensen, 2006-2008, PhD student at University of North Carolina
4. Lauren Byrne, 2008-2009
5. Lyla Blake-Gumbs, 2010-2012
6. Drew Helmus, 2012-2013
7. Ruth Jepkosgei, 2016

Undergraduate senior capstone advisor:

1. Erica Hoffman, Spring 2008
2. Luyi Zhou, Fall 2008

Undergraduate summer research internship mentor:

1. Shane Lince, 2009, MD student
2. Timna Maayan, 2013, Ohio State University senior

High School Research Mentor – Hawken STEMM program:

1. Gavin Buck, 2011, undergraduate student
Selected as one of top 3 abstracts for presentation at Hawken Science Research Symposium.
2. Matthew Thompson, 2012, CWRU undergraduate student
Awarded CWRU Treuhaft Scholarship – a highly competitive full science scholarship for undergraduate students
3. Matthew Pitera, 2013, undergraduate student
4. Hamada Shamma, 2014 and 2015, senior at Hawken
5. Dalya Oprian, 2014, senior at Hawken

High School Research Mentor – Hathaway Brown School Science Research and Engineering Program

1. Emily Rego, 2014, junior at Hathaway Brown
2. Oriana Cruz, 2014-2016, junior at Hathaway Brown

RESEARCH SUPPORT

Current

1. RO1CA206505* 4/1/16-3/31/21

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|--|---|
| NIH/NCI
"BET Regulation of Triple Negative Breast Cancer"
PI: Ruth Keri, PhD
Role: Co-investigator | pending
2.5% effort |
| 2. R01CA197780 *
NIH/NCI
"Examining the role of the miR-181a:Wnt/B-catenin axis in ovarian cancer recurrence" 5% effort
PI: Analisa DiFeo, PhD
Role: Co-investigator | 4/1/16-3/31/21
pending |
| 3. BCRP*
Department of Defense
"Characterization of Clustered CTCs to Eliminate Breast Cancer Metastasis" 5% effort
PI: Huiping Liu and Alvin Schmaier
Role: Co-investigator | 4/1/16-3/31/19
\$424,245 direct |
| 4. R01CA196687*
National Institutes of Health – NCI
Co-I
"Accurate MR-based PET Attenuation Correction for Quantitative Clinical Trials"
PI: Raymond Muzic, PhD
Role: Co-investigator | 9/1/15-8/30/19
\$1.9M direct
5% effort |
| 5. N/A*
The Char and Chuck Fowler Family Foundation

PI: Meg Gerstenblith, MD
Role: Co-investigator | 4/1/15-3/30/16
\$1.25M direct over 5 years
15% effort |
| 6. R21 HD081165*
National Institutes of Health – NICHD
"A Novel Regulator of Breast Development"
PI: Ruth Keri, PhD
Role: Co-investigator | 7/1/14-6/30/16
\$375,000 direct
5% effort |
| 7. 1P50CA15096401 (Markowitz, Sanford, PI)
National Cancer Institute
"Case GI SPORE"
PI: Sanford Markowitz, MD
Role: Co-investigator | 9/1/11-8/31/16
No salary |
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| <u>Past</u> | |
| 8. N/A
Earlier.org – Friends for an Earlier Breast Cancer Test
PI: Cheryl Thompson, PhD
"Circulating RNAs for Early Detection of Breast Cancer" | 7/1/14-6/30/15
\$40,000 direct
13% effort |
| 9. UL1 RR024989*
National Institutes of Health
"Evaluation of alpha-methylacyl-CoA as a non-invasive diagnostic biomarker for prostate cancer" 5% effort
PI of pilot: Matthew Cooney, MD
Role: Co-I of pilot | 6/01/13-5/30/14
\$50,000 direct |
| 10. Center for Genetic Research Ethics and Law (CGREAL)
NHGRI
"Translating Genetic Predictors of Treatment Toxicity into the Clinic"
PI of pilot grant: Patricia Marshall, PhD and Cheryl L Thompson, PhD
Role: Co-Principal Investigator of Pilot Grant | 3/1/14-7/31/14
\$7,020 direct
0% effort |

11. K07CA136758 8/01/09-7/31/14
National Cancer Institute \$602,885 direct
“Genetic variants in the PI3K pathway in mammographic density and breast cancer” 75% effort
PI: Cheryl Thompson, PhD
Role: Principal Investigator
12. R01CA136726 9/01/09-8/30/14
National Cancer Institute \$2.0M direct
“Obesity-Related Insulin Resistance Signaling Pathway Factors and Colon Cancer” 5% effort
PI: Li Li, MD, PhD
Role: Co-investigator
13. NIH 3/1/13-7/31/12
Center for Genetic Research Ethics and Law (CGREAL) \$9,950 direct
“Returning Genetic Results from Research on Breast Cancer” 0% effort
PI of pilot grant: Patricia Marshall, PhD and Cheryl L Thompson, PhD
Role: Co-Principal Investigator of Pilot Grant
14. UL1 RR024989 4/01/12-9/30/12
National Institutes of Health \$10,000 direct
“Sleep, Genetic Variants in Circadian Rhythm Genes and Breast Cancer” 0% effort
PI of Pilot: Cheryl Thompson, PhD
Role: PI of core utilization pilot
15. R03CA143917 1/1/11-12/31/12
National Cancer Institute \$100,000 direct
“Longitudinal Changes in Mammographic Density” 0% effort
PI: Li Li, MD, PhD
Role: Co- Investigator
16. P30 CA043703 12/01/10-11/30/11
National Cancer Institute \$30,000 direct
“A Biorepository for Research in Lung Cancer Risk, Detection and Prognosis” 0% effort
PI of pilot grant: Cheryl Thompson, PhD
Role: Principal Investigator of Pilot Grant
17. UL1 RR024989 6/01/10-11/30/10
National Institutes of Health \$10,000 direct
“Genetics of Aberrant Breast Development” 0% effort
PI of core utilization grant: Cheryl Thompson, PhD
Role: Principal Investigator of core utilization Grant
18. IRG-91-022-15 9/01/09-8/31/10
American Cancer Society \$30,000 direct
“Variation in Breast Tissue Gene Expression by Mammographic Density” 0% effort
Role: Primary Investigator of institutional review grant
19. U54 CA-116867 9/01/09-8/31/10
National Cancer Institute \$50,000 direct
“CASE Center for Transdisciplinary Research on Energetics and Cancer” 0% effort
PI: Nathan Berger, MD
Pilot Project: “Variation in Breast Tissue Gene Expression by Mammographic Density”
Role: Primary Investigator of developmental project
20. 1 U54 CA-116867 9/01/08-8/31/09
National Cancer Institute \$50,000 direct
“CASE Center for Transdisciplinary Research on Energetics and Cancer” 0% effort
PI: Nathan Berger, MD

Pilot Project: “Effect of obesity and insulin resistance on the activation of IRS1, AKT and mTOR and the development of colon adenomas”

Role: Primary Investigator of developmental project

21. 1 U54 CA-116867 10/1/07-9/30/08
National Cancer Institute \$50,000 direct
“CASE Center for Transdisciplinary Research on Energetics and Cancer” 0% effort
PI: Nathan Berger, MD
Pilot Project: “Retinol Binding Protein-4 (RBP4): A novel biomarker for colon neoplasia”
Role: Primary Investigator of developmental project
22. R25 CA094186 8/1/07-7/31/09
National Cancer Institute About \$475,000/year direct
“Training in Computational Genomic Epidemiology of Cancer (CoGEC)” 100% effort
This program provides postdoctoral training in the transdisciplinary area of training at the intersection of cancer research, epidemiology, biostatistics, genetics, and computer science.
PI: Robert Elston, PhD
Role: Fellow
23. T32 HL07567 9/1/03-5/31/06
NIH/NHLBI N/A
Biometric-Genetic Analysis of Cardiovascular Disease 100% effort
This is a pre and postdoctoral training grant in genetic epidemiology.
PI: Robert Elston, PhD
Role: Predoctoral Trainee

**Team Science Collaborator: On these grants I served in a key role as the cancer translational researcher, and provide my expertise in clinical/epidemiology study design and data analysis to these projects.*

BIBLIOGRAPHY

Peer Reviewed Articles

1. **Thompson CL**, Baechle D, Lu Q, Mathew G, Song Y, Iyengar SK, Gray-McGuire C, Goddard KAB. Effect of Genotyping Error in Model-Free Linkage Analysis using Microsatellite or SNP Marker Maps. *BMC Genet.* 2005; 6 Suppl 1:S153.
2. **Thompson CL**, Rybicki BA, Iannuzzi MC, Elston RC, Iyengar SK, Gray-McGuire C and the SAGA Research Group. Reduction of Sample Heterogeneity Using Population Substructure: An Example from a Population of African-American Sarcoidosis Families. *Am J Hum Genet.* 2006; 79(4):606-613.
3. **Thompson CL**, Klein BEK, Klein R, Xu Z, Capriotti J, Joshi T, Leontiev D, Lee KE, Elston RC, Iyengar SK. Complement Factor H and Hemicentin-1 in Age-Related Macular Degeneration and Renal Phenotypes. *Hum Mol Genet.* 2007; 16(17):2135-2148.
4. **Thompson CL**, Jun G, Klein BEK, Klein R, Capriotti J, Lee KE, Iyengar SK. Genetics of Pigment Changes and Geographic Atrophy. *Invest Ophthalmol Vis Sci.* 2007; 48(7):3005-3013.
5. **Thompson CL**, Khiani V, Chak A, Berger NA, Li L. Trends in Carbohydrate Consumption and Esophageal Cancer. *Am J Gastro.* 2008; 103(3):555-61.
6. Li L, Plummer SJ, **Thompson CL**, Merkulova A, Acheson LS, Tucker TC, Casey G. A Common 8q24 Variant and Risk of Colon Cancer: A Population-Based Case-Control Study. *Cancer Epidemiol Biomarkers Prev.* 2008; 104(2):32-3.
7. Li L, Plummer S, **Thompson CL**, Tucker TC, Casey G. Association between Phosphatidylinositol 3-Kinase p85 α Regulatory Subunit *Met326Ile* Polymorphism and Colon Cancer Risk. *Clin Cancer Res.* 2008; 14(3):663-7.
8. Nock NL, **Thompson CL**, Tucker TC, Li L. Associations Between Obesity and Changes in Body Mass Index Over Time and Colon Cancer Risk. *Obesity* 2008;16:1099-104.
9. Ochs-Balcom HM, Cicek MS, **Thompson CL**, Tucker TC, Elston RC, Plummer S, Casey G, Li L. Association of Vitamin D Receptor Variants, Adiposity and Colon Cancer. *Carcinogenesis* 2008; 29 (9):1788-1793.
10. Stein CM, Zalwango S, Malone LL, Won S, Mayanja-Kizza H, Mugerwa RD, Leontiev DV, **Thompson CL**, Cartier KC, Elston RC, Iyengar SK, Boom WH, Whalen CC. Genome Scan of *M. tuberculosis* Infection and Disease in Ugandans. *PLoS One* 2008; 3 (12):e4094. (**highly cited article**)
11. **Thompson CL**, Plummer SJ, Acheson LS, Tucker TC, Casey G, Li L. Association of common genetic variants in SMAD7 and risk of colon cancer. *Carcinogenesis* 2009; 30(6):982-6.

12. **Thompson CL**, Plummer SJ, Merkulova A, Cheng I, Tucker TC, Casey G, Li L. No association between cyclooxygenase-2 and UGT1A6 genetic polymorphisms and colon cancer risk. *World J Gastroenterol* 2009; 15(18):2240-2244.
13. Phillips LS, **Thompson CL**, Plummer SJ, Tucker TC, Casey G, Li L. No association between four PTEN SNPs and colon cancer. *World J Gastroenterology* 2009; 15(30): 3771-5.
14. Nock N, Wang X, **Thompson CL**, Song Y, Baechle D, Raska P, Stein CM, Gray-McGuire C. Defining genetic determinants of the metabolic syndrome in the Framingham Heart Study using association and structural equation modeling methods. *BMC Proc* 2009; 3(suppl 7): S50.
15. **Thompson CL**, Plummer SJ, Tucker TC, Casey G, Li L. No Association of Obesity and Type 2 Diabetes Mellitus-related Genetic Variants with Colon Cancer. *Gastroenterology Research*. 2009;2(6):311-316.
16. **Thompson CL**, Plummer SJ, Tucker TC, Casey G, Li L. Interleukin-22 Genetic Polymorphisms and Risk of Colon Cancer. *Can Causes Control*. 2010; 21(8):1165-1170.
17. Ochs-Balcom HM, **Thompson CL**, Plummer S, Luo G, Tucker TC, Casey G, Li L. A RecQ protein-like 5 haplotype is associated with colon cancer in a case control study. *Gastroenterology Research*. 2010; 3(3): 101-105.
18. Nock NL, Patrick-Melin A, Cook M, **Thompson CL**, Kirwan JP, Li L. Higher Bone Mineral Density is Associated with a Decreased Risk of Colorectal Adenomas. *Int J Cancer*. 2011; 129(4):956-64.
19. **Thompson CL**, Larkin EL, Patel S, Berger NA, Redline S, Li L. Short duration of sleep increases risk of colorectal adenoma. *Cancer* 2011;117(4):841-7. **(highly cited article)**
20. Nock NL, Plummer SJ, **Thompson CL**, Casey G, Li L. FTO Polymorphisms are Associated with Adult Body Mass Index (BMI) and Colorectal Adenomas in African-Americans. *Carcinogenesis* 2011 32(5):748-56.
21. Ortiz AP, **Thompson CL**, Chak A, Berger N, Li L. Insulin Resistance, Central Obesity and Colorectal Adenomas. *Cancer* 2011; 118(7):1774-81.
22. Greer KB, **Thompson CL**, Brenner L, Bednarchik B, Dawson D, Willis J, Grady WM, Falk GW, Cooper GS, Li L, Chak A. Association of Insulin and Insulin-Like Growth Factors with Barrett's Oesophagus. *Gut* 2012; 61(5):665-72.
23. **Thompson CL**, Berger NA, Chak A, Li L. Racial Differences in Measures of Obesity and Risk of Colon Adenoma. *Obesity* 2012; 20(3):673-7.
24. Blake-Gumbs L†, Chen Z, **Thompson CL**, Berger NA, Tucker TC, Li L. Body Mass Index Change, Hormone Replacement Therapy Use and Risk of Colon Cancer in Postmenopausal Women. *J. Obes* 2012; 2012:857510.
25. **Thompson CL**, Li L. Association of Sleep Duration and Breast Cancer OncotypeDX Recurrence Score. *Breast Cancer Res Treat* 2012; 134(3):97-103.
26. Lin P-Y, Cheng K-L, McGuffin-Cawley JD, Shieu F-S, Samia AC, Gupta S, Cooney M, **Thompson CL**, Liu CC. Detection of alpha-methylacyl-CoA racemase (AMACR), a biomarker of prostate cancer, in patient blood samples using a nanoparticle electrochemical biosensor. *Biosensors* 2012; 2(4): 377-87.
27. Taylor MA, Sossey-Alaoui K, **Thompson CL**, Danielpour D, Schiemann WP. TGF- β -mediated upregulation of miR-181a promotes breast cancer metastasis by targeting the pro-apoptotic protein Bim. *J. Clin Invest*. 2013; 123:150-63. **(highly cited article)**
28. Morton M†, **Thompson CL**. Decreasing 25-hydroxy-vitamin D Account for Portion of the Effect of Increasing Body Mass Index on Breast Cancer Mortality. *Molecular Nutrition and Food Res* 2013; 57: 260-6.
29. Leidner R, Li L, **Thompson CL**. Dampening Enthusiasm for Circulating microRNA in Breast Cancer. *Plos One* 2013; 8(3):e57841. **(highly cited article)**
30. Ochs-Balcom HM, Preus L, Wactawski-Wende J, Nie J, Johnson N, Zakharia F, Tang H, Ambrosone C, Carlson C, Carty C, Chen Z, Hutter C, Jackson RD, Kaplan R, Kooperberg C, Li L, Liu S, Neuhaus M, Peters U, Risch N, Robbins J, Seldin M, **Thompson CL**, Sucheston LE. Admixture mapping of DXA-derived phenotypes in African American women in WHI SHARe. *J Clin Endocrinol Metab* 2013; 98(4):E713-7.
31. **Thompson CL**, Fink S, Lutterbaugh JD, Elston, RC, Veigl ML, Li L, Markowitz SM. Genetic Variation in 15-Hydroxyprostaglandin Dehydrogenase and Colon Cancer Susceptibility. *Plos One* 2013; 8(5):e64122.
32. Vaughn CM, Ochs-Balcom HM, Nie J, Chen Z, **Thompson CL**, Tracy R, Li L. No Association between Circulating Levels and Genetic Variants of IL-6 and TNF- α and Colon Adenoma. *Gastroenterology Res* 2013; 6(2):43-8.
33. Helmus D†, **Thompson CL**, Zelenskiy S, Tucker TC, Li L. Red meat-derived heterocyclic amines increase risk of colon cancer: a population-based case-control study. *Nutrition and Cancer* 2013; 65(10).
34. Khawaja A†, Rao S†, Li L, **Thompson CL**. Sleep Duration and Breast Cancer Phenotype. *Journal of Cancer Epidemiology* 2013; 2013:467927.
35. Ochs-Balcom HM, Vaughn CB, Nie J, Chen Z, **Thompson CL**, Parekh N, Tracy R, Li L. Racial differences in the association of insulin-like growth factor pathway and colon adenoma risk. *Cancer Causes and Control* 2014; 25(2):161-70.
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39. Morton M†, Bai X, Merry C, Khalil AM, Leidner R, **Thompson CL**. Identification of mRNAs and lincRNAs associated with lung cancer progression using next-generation RNA sequencing from laser micro-dissected archival FFPE tissue specimens. *Lung Cancer* 2014; 85(1):31-9.
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41. Ochs-Balcom HM, Cannioto R, Nie J, Millen AE, Freudenheim JL, Chen Z, **Thompson CL**, Tracy R, Li L. Adipokines do not Mediate the Association of Obesity and Adenomatous Polyps. *J. Cancer Epidemiol.* 2014; 2014:371254.
42. **Thompson CL**, Owusu C, Nock NL, Li L, Berger NA. Race, age and obesity disparities in adult physical activity levels in breast cancer patients and controls. *Front Public Health* 2014;2:150.
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44. Qin A, **Thompson CL***, Silverman P. Predictors of late onset heart failure in breast cancer patients treated with doxorubicin. *J Cancer Survivorship* 2015;9(2):252-9.
45. Abola M, **Thompson CL**, Chen Z, Chak A, Berger NA, Kirwan JP, Li L. Serum Levels of Retinol-Binding Protein 4 (RBP4) and Risk of Colon Adenoma. *Endocrine-Related Cancer* 2015; 22(2):L1-4.
46. Bomeisl PE, **Thompson CL***, Harris LH, Gilmore HL. Comparison of OncotypeDX Recurrence Score by Histologic Subtypes of Breast Carcinoma. *Archives of Pathology and Laboratory Medicine* 2015; 139(12):1546-9.
47. Bai S†, Shenk R, **Thompson C***, Plecha D. Improving Accuracy of Axillary Lymph Node Surgery in Breast Cancer with Ultrasound Guided Needle Localization of Previously Biopsied Lymph Nodes. *Ann Surg Oncol* 2015; 22(13):4241-6.
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51. Vyas R, **Thompson CL***, Zargar H, Selph J, Gerstenblith M. Epidemiology of Genitourinary Melanoma in the United States: 1992-2012. *JAAD* 2016;75(1):144-50.
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†Student or fellow mentees that published manuscript from the project that I mentored them on

*Team Science Contributions: On these manuscripts I served in a key role as the cancer translational researcher, lending my expertise in clinical/epidemiology study design and data analysis.

Invited, Non-Peer Reviewed

1. O'Neill SC, **Thompson CL**, Graves KD, Kapp JM, Worthington JL, Madlensky L. Job satisfaction in cancer prevention and control: a survey of the American Society of Preventive Oncology. *Cancer Epidemiol Biomarkers Prev.* 2010; 19(8):2110-2.
2. Sprague BL, **Thompson CL**, Ganz PA, Kanetsky PA, Kushi LH, Nebeling L. The Business of Research: Budgets, Personnel, Planning, and Pitfalls – a Report from the American Society of Preventive Oncology's Junior Members Interest Group. *Cancer Epidemiol Biomarkers Prev.* 2011;20(8):1802-4.

Book Chapters

1. **Thompson CL**, Li L. Sleep Disorders and Cancer Risk. *Impact of Sleep and Sleep Disturbances on Obesity and Cancer.* 2013.
2. **Thompson CL**, Varadan V. Clinical Applications of Next-Generation Sequencing of Formalin-Fixed Paraffin-Embedded Tumors. *Next Generation Sequencing in Cancer Research Volume 2.* 2015.
3. Prabhakar D, **Thompson CL**, Harris L. Blood Markers for Breast Cancer Management. *Molecular Pathology of Breast Cancer.* 2015.
4. Liu CC, Zhang Y, Janyasupab M, **Thompson CL**, Yen Y. Single-Use, Disposable, *in vitro* Biosensors for the Detection of Biomarkers of Various Diseases. *Annals of Biomedical Engineering,* 2016.

Abstracts

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7. Thompson CL, Klein BEK, Klein R, Xu Z, Capriotti J, Joshi T, Leontiev D, Lee KE, Elston RC, Iyengar SK. Complement Factor H and Hemicentin-1 in Age-Related Macular Degeneration. Biomedical Graduate Student Symposium, Cleveland, OH, May 2006.
8. Thompson CL, Plummer S, Tucker TC, Casey G, Li L. No Association Between UDP-Glucuronosyltransferase 1 Genetic Polymorphisms or Interaction With Non-Steroidal Anti-Inflammatory Drugs Use And Colon Cancer. International Genetic Epidemiology Society, November 2006.
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12. Thompson CL, Gray-McGuire C. Importance of population substructure characterization in linkage studies of admixed populations. American Society of Human Genetics, San Diego, CA, October 2007.
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19. Thompson CL, Li L, Leidner R. Plasma MicroRNAs in Breast Cancer Detection. International Genetic Epidemiological Society Annual Meeting, Heidelberg, Germany, September 2011.
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21. Khawaja A†, Rao S†, Li L, Thompson CL. Sleep and Breast Cancer Severity. American Society of Preventive Oncology, Memphis, TN, March 2013.
22. Thompson CL, Khalil AM, Miskimen K, Merry C, Harris LM. The tumor and circulating transcriptomes in breast cancer. American Association of Cancer Research, Washington, DC, April 2013.
23. Radhakrishnan A†, Silverman P, Shenk R, Thompson CL. Are there racial disparities in sentinel lymph node biopsies in breast cancer patients? ASCO Quality Care Symposium, San Diego, CA, November, 2013.
24. Willison C†, Pitera, M, Levin C, Li L, Thompson CL. Short sleep duration – potential contributor to racial disparities in breast cancer phenotype and outcomes? American society of Preventive Oncology, Arlington, VA, March 2014. ***Won 2nd place in poster competition.***
25. Thompson CL, Brown JC, Schmitz KH. Sleep Quality and Duration in a Physical Activity Intervention – Findings from the Physical Activity and Lymphedema (PAL) Trial. Joint Meeting of the Centers for Population Health and Health Disparities and Transdisciplinary Research in Energetics and Cancer, Los Angeles, CA, May 2014.
26. Thompson CL, Gilmore H, Miskimen K, Li L, Harris L. Breast Cancer Tumor Gene Expression and Pre-Diagnosis Sleep Duration. American Society of Preventive Oncology, Birmingham, AL, March 2015.
27. Pannunzio A†, Gilmore H, Thompson CL. Association of sleep duration, body mass index, and glucocorticoid receptor expression in breast cancer. American Society of Preventive Oncology, Birmingham, AL, March 2015.
28. Prabhakar D, Harris L, Thompson CL. Current smoking and risk of triple negative breast cancer. American Society of Clinical Oncology, Chicago, IL, May-June 2015.
29. Irfan H†, Li L, Thompson CL. Vitamin D and Breast Cancer Tumor Grade. American Society of Preventive Oncology, Columbus, OH, March 2015.

†Student or fellow mentees that presented data from the project that I mentored them on