

1. BIOGRAPHICAL INFORMATION

Fred Hutchinson Cancer Center
Public Health Sciences Division
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2. EDUCATION

- Bates College, Lewiston, Maine, BS *cum laude*, Mathematics, 1985-1989
- University of Washington, Seattle, Washington, MS, Biostatistics, 1995-1997
- University of Washington, Seattle, Washington, PhD, Biostatistics, 1997-2001

3. LICENSURE

N/A

4. PROFESSIONAL POSITIONS

- Assistant Professor, Clinical Research Division, Fred Hutchinson Cancer Research Center, Seattle, Washington, 2001-2008
- Affiliate Assistant Professor, Department of Biostatistics, University of Washington, Seattle, Washington, 2002-2008
- Associate Professor, Clinical Research Division, Fred Hutchinson Cancer Research Center, Seattle, Washington, 2008-2013
- Associate Professor, Public Health Sciences Division, Fred Hutchinson Cancer Research Center, Seattle, Washington, 2013-2015
- Professor, Public Health Sciences Division, Fred Hutchinson Cancer Center, Seattle, Washington, 2015-

5. HONORS, AWARDS, SCHOLARSHIPS

- Outstanding Student Award, Department of Biostatistics, University of Washington, 2000

6. PROFESSIONAL ACTIVITIES

A. National Positions

Grant Review

- NIH/NIAID Special Emphasis Panel, Clinical Trials in Organ Transplantation in Children (U01), 2007, 2012
- Susan G. Komen for the Cure Investigator-Initiated Research Grants, 2013-2017
- NIH/NIA Special Emphasis Panel, Epidemiology and Cohort Studies for Alzheimer's Disease, Related Dementias, and Cognitive Resilience (R01), 2017
- SWOG Grant Writing Workshop, 2017-2024
- NIH Specialized Centers of Research Excellence (SCORE) on Sex Differences (U54), 2018
- NIH/NCI Special Emphasis Panel, Cancer Prevention (R01), 2018
- NIH/NINR Special Emphasis Panel, Individual Training and Career Development Grants, 2020
- NIH/NIAID Clinical Trial Implementation Cooperative Agreement (U01) and Clinical Trial Planning Grant (R34), 2021
- NMSU-Fred Hutch U54 Partnership to Advance Cancer Research, Project Awards, 2022
- NIH Common Fund Special Emphasis Panel, Molecular Transducers of Physical Activity Consortium Clinical Centers (U01) and Coordinating Center (U24), 2023
- NIH/ORWH Special Emphasis Panel, Understanding Chronic Conditions Understudied Among Women (R21, R01), 2023
- NIH/NIA Complex Integrated Multi-Component Projects in Aging (U19), 2025

Data and Safety Monitoring Boards

- NIH/NIAMS sponsored study, “The Treatment of Methotrexate Resistant Rheumatoid Arthritis with Aminopterin”, 2010-2011
- NIH/NIAMS sponsored study, “Effect of Adrenal and Gonadal Hormones on Bone Marrow and Appendicular Bone Density”, 2011-2016
- NIH/NIA sponsored study, “Transdermal Nitroglycerin Therapy for Menopausal Hot Flashes”, 2016-2022
- NIH/NICHD sponsored study, “Letrozole for Treatment of Uterine Fibroids: A randomized, placebo-controlled trial”, 2024-

Committees

- Faculty Statistician, SWOG Gastrointestinal Committee, 2013-
- NIH/NCI Gastrointestinal Steering Committee, 2013-
- Faculty Statistician, SWOG Survivorship Committee, 2014-
- SWOG NCI Community Oncology Research Program Executive Committee, 2016-
- Faculty Statistician, SWOG Palliative Care Committee, 2017-
- SWOG Diversity, Equity, and Inclusion Monitoring Committee, 2022-2023

B. Local Positions

Data and Safety Monitoring Boards

- Protocol 1998 (George McDonald, PI), 2005-2006
- Protocol 1353 (Ann Woolfrey, PI), 2006
- Protocol 2067 (George Georges, PI), 2009-2011
- Protocol 2000 (Hans-Peter Kiem, PI), 2009-2016
- Protocol 2603 (Filippo Milano, PI), 2012-2018
- Protocol 2533 (George Georges, PI), 2012-2020
- Nonmyeloablative transplantation protocols (Multiple PIs), 2013-2017
- Protocol 9910 (Filippo Milano, PI), 2017-
- Protocol 8743 (Filippo Milano, PI), 2019-2023

Committees

- Institutional Animal Care and Use Committee, 2003-2013
- Clinical Research Division Appointments & Promotions Committee, 2010-2013
- Faculty Merit Review Working Group, Public Health Sciences Division, 2013-2014
- Faculty Search Committee - Patient-Reported Outcomes, Public Health Sciences Division, 2016-2017
- Faculty Retreat Planning Committee, Public Health Sciences Division, 2017-2018
- Faculty Promotion Committee, Vaccine and Infectious Disease Division, 2018
- Chair, Faculty Promotion Committee, Public Health Sciences Division, 2018
- Chair, Faculty Promotion Committee, Public Health Sciences Division, 2019-2020
- Chair, Faculty Search Committee - Biostatistician/Clinical Trialist, Public Health Sciences Division, 2021-2022

7. BIBLIOGRAPHY

A. Refereed Research Articles

1. Meisel JA, **Guthrie KA**, Breslow NE, Donaldson SS, Green DM: Significance and management of computed tomography detected pulmonary nodules: A report from the National Wilms Tumor Study Group. *Int J Radiat Oncol Biol Phys* 1999; 44(3):579-85.
2. Shamberger RC, **Guthrie KA**, Ritchey ML, Haase GM, Takashima J, Beckwith JB, D'Angio GJ, Green DM, Breslow NE: Surgery-related factors and local recurrence of Wilms tumor in National Wilms Tumor Study 4. *Ann Surg* 1999; 229(2):292-7. PMC1191644
3. Breslow NE, Partin AW, Lee BR, **Guthrie KA**, Beckwith JB, Green DM: Nuclear morphometry and prognosis in favorable histology Wilms' tumor: A prospective reevaluation. *J Clin Oncol* 1999; 17(7):2123-26.

4. Porteus MH, Norkool P, Neuberg D, **Guthrie K**, Breslow N, Green DM, Diller L: Characteristics and outcome of children with Beckwith-Wiedemann syndrome and Wilms' tumor: A report from the National Wilms Tumor Study Group. *J Clin Oncol* 2000; 18(10):2026-31.
5. **Guthrie KA**, Sheppard L: Overcoming biases and misconceptions in ecological studies. *J Roy Statist Soc Ser A* 2001; 164 (Part 1):141-54.
6. Hogeboom CJ, Grosser SC, **Guthrie KA**, Thomas PR, D'Angio GJ, Breslow NE: Stature loss following treatment for Wilms tumor. *Med Pediatr Oncol* 2001; 36:295-304.
7. **Guthrie KA**, Sheppard L, Wakefield J: A hierarchical aggregate data model with spatially correlated disease rates. *Biometrics* 2002; 58(4):898-905.
8. Lambert NC, Lo YMD, Erickson TD, Tylee TS, **Guthrie KA**, Furst DE, Nelson JL: Male microchimerism in healthy women and women with scleroderma: cells or circulating DNA? A quantitative answer. *Blood* 2002; 100:2845-51.
9. Stirewalt DL, **Guthrie KA**, Beppu L, Bryant EM, Doney K, Gooley T, Appelbaum FR, Radich JP: Predictors of relapse and overall survival in Philadelphia chromosome-positive acute lymphoblastic leukemia after transplantation. *Biol Blood Marrow Transplant* 2003; 9(3):206-212.
10. Akpek G, Lee SJ, Flowers ME, Pavletic SZ, Arora M, Lee S, Piantadosi S, **Guthrie KA**, Lynch JC, Takatu A, Horowitz MM, Antin JH, Weisdorf DJ, Martin PJ, Vogelsang GB: Performance of a new clinical grading system for chronic graft-versus-host disease: a multicenter study. *Blood* 2003; 102:802-809.
11. Fukuda T, Hackman RC, **Guthrie KA**, Sandmaier BM, Boeckh M, Maris MB, Maloney DG, Deeg HJ, Martin PJ, Storb RF, Madtes DK: Risks and outcomes of idiopathic pneumonia syndrome after nonmyeloablative and conventional conditioning regimens for allogeneic hematopoietic stem cell transplantation. *Blood* 2003; 102:2777-85.
12. Stewart B, Verdugo M, **Guthrie KA**, Appelbaum F, Deeg HJ: Outcome following haematopoietic cell transplantation in patients with myelodysplasia and del (5q) karyotypes. *Br J Haematol* 2003; 123:879-85.
13. Adams KM, Mandel LS, **Guthrie KA**, Atkinson MW: Interleukin-18 in the plasma of women with preeclampsia. *Am J Obstet Gynecol* 2003; 188(5):1234-7.
14. Andersen MR, **Guthrie KA**, Urban N: Assertiveness with physicians: does it predict mammography use? *Women Health* 2004; 39(2):1-12.
15. Lambert NC, Erickson TD, Yan Z, Pang JM, **Guthrie KA**, Furst DE, Nelson JL: Quantification of maternal microchimerism by HLA-specific real-time polymerase chain reaction: studies of healthy women and women with scleroderma. *Arthritis Rheum* 2004; 50(3):906-14.
16. Fukuda T, Boeckh M, **Guthrie KA**, Mattson DK, Owens S, Wald A, Sandmaier BM, Corey L, Storb RF, Marr KA: Invasive aspergillosis before allogeneic hematopoietic stem cell transplantation: 10-year experience at a single transplant center. *Biol Blood Marrow Transplant* 2004; 10:494-503.
17. Adams KM, Holmberg LA, Leisenring W, Fefer A, **Guthrie KA**, Tylee TS, McDonald GB, Bensinger WI, Nelson JL: Risk factors for syngeneic graft-versus-host disease after adult hematopoietic cell transplantation. *Blood* 2004; 104:1894-7.
18. Disis ML, Schiffman K, **Guthrie K**, Salazar LG, Knutson KL, Goodell V, dela Rosa C, Cheever MA: Effect of dose on immune response in patients vaccinated with an HER-2/neu intracellular domain protein-based vaccine. *J Clin Oncol* 2004; 22(10):1916-25.
19. Nichols WG, **Guthrie KA**, Corey L, Boeckh M: Influenza infections after hematopoietic stem cell transplantation: risk factors, mortality, and the effect of antiviral therapy. *Clin Infect Dis* 2004; 39:1300-6.
20. Panse JP, Heimfeld S, **Guthrie KA**, Maris MB, Maloney DG, Baril BB, Little M-T, Chauncey TR, Storer BE, Storb R, Sandmaier BM: Allogeneic peripheral blood stem cell graft composition affects early T-cell chimerism and later clinical outcomes after non-myeloablative conditioning. *Br J Haematol* 2005; 128:659-667.

21. Hingorani SR, **Guthrie K**, Batchelder A, Schoch G, Aboulhosn N, Manchion J, McDonald GB: Acute renal failure after myeloablative hematopoietic cell transplant: incidence and risk factors. *Kidney Int* 2005; 67(1):272-7.
22. Sanders JE, **Guthrie KA**, Hoffmeister PA, Woolfrey AE, Carpenter PA, Appelbaum FR: Final adult heights of patients who received hematopoietic cell transplantation in childhood. *Blood* 2005; 105(3):1348-54.
23. Oehler VG, Radich JP, Storer B, Blume KG, Chauncey T, Clift R, Snyder DS, Forman SJ, Flowers MED, Martin P, **Guthrie KA**, Negrin RS, Appelbaum FR, Bensinger W: Randomized trial of allogeneic related bone marrow transplantation versus peripheral blood stem cell transplantation for chronic myeloid leukemia. *Biol Blood Marrow Transplant* 2005; 11(2):85-92.
24. Yan Z, Lambert NC, **Guthrie KA**, Porter AJ, Loubiere LS, Madeleine MM, Stevens AM, Hermes HM, Nelson JL: Male microchimerism in women without sons: quantitative assessment and correlation with pregnancy history. *Am J Med* 2005; 118(8):899-906.
25. Stevens AM, Tsao BP, Hahn BH, **Guthrie K**, Lambert NC, Porter AJ, Tylee TS, Nelson JL: Maternal HLA class II compatibility in men with systemic lupus erythematosus. *Arthritis Rheum* 2005; 52(9):2768-73.
26. Tomlinson GE, Breslow NE, Dome J, **Guthrie KA**, Norkool P, Li S, Thomas PRM, Perlman E, Beckwith JB, D'Angio GJ, Green DM: Rhabdoid tumor of the kidney in the national Wilms' tumor study: age at diagnosis as a prognostic factor. *J Clin Oncol* 2005; 23(30):7641-5.
27. Gadi VK, Nelson JL, Boespflug ND, **Guthrie KA**, Kuhr CS: Soluble donor DNA concentrations in recipient serum correlate with pancreas-kidney rejection. *Clin Chem* 2006; 52:379-82.
28. Yan Z, Lambert NC, Østensen M, Adams KM, **Guthrie KA**, Nelson JL: Prospective study of fetal DNA in serum and disease activity during pregnancy in women with inflammatory arthritis. *Arthritis Rheum* 2006; 54(7):2069-73.
29. Erard V, **Guthrie KA**, Riddell S, Boeckh M: Impact of HLA A2 and cytomegalovirus serostatus on outcomes in patients with leukemia following matched-sibling myeloablative allogeneic hematopoietic cell transplantation. *Haematologica* 2006; 91(10):1377-83.
30. Loubière LS, Lambert NC, Flinn LJ, Erickson TD, Yan Z, **Guthrie KA**, Vickers KT, Nelson JL: Maternal microchimerism in healthy adults in lymphocytes, monocyte/macrophages and NK cells. *Lab Invest* 2006; 86:1185-92.
31. Hingorani SR, **Guthrie KA**, Schoch G, Weiss NS, McDonald GB: Chronic kidney disease in long-term survivors of hematopoietic stem cell transplant. *Bone Marrow Transplant* 2007; 39(4):223-9.
32. Schubert MM, Eduardo FP, **Guthrie KA**, Franquin J-C, Bensadoin R-JJ, Migliorati CA, Lloid CME, Eduardo CP, Walter N-F, Marques MM, Hamdi M: A phase III randomized double-blind placebo-controlled clinical trial to determine the efficacy of low level laser therapy for the prevention of oral mucositis in patients undergoing hematopoietic cell transplantation. *Support Care Cancer* 2007; 15:1145-54.
33. Erard V, **Guthrie KA**, Varley C, Heugel J, Wald A, Flowers MED, Corey L, Boeckh M: One-year acyclovir prophylaxis for preventing varicella-zoster virus disease after hematopoietic cell transplantation: no evidence of rebound varicella-zoster virus disease after drug discontinuation. *Blood* 2007; 110:3071-7.
34. Peck AJ, Englund JA, Kuypers J, **Guthrie KA**, Corey L, Morrow R, Hackman RC, Cent A, Boeckh M: Respiratory virus infection among hematopoietic cell transplantation recipients: evidence for asymptomatic parainfluenza virus infection. *Blood* 2007; 110:1681-8. PMC1975849
35. Woodahl EL, Hingorani SR, Wang J, **Guthrie KA**, McDonald GB, Batchelder A, Li M, Schoch HG, McCune JS: Pharmacogenomic associations in *ABCB1* and *CYP3A5* with acute kidney injury and chronic kidney disease after myeloablative hematopoietic cell transplantation. *Pharmacogenomics J* 2008; 8:248-55.
36. Gadi VK, Malone KE, **Guthrie KA**, Porter PL, Nelson JL: Case-control study of fetal microchimerism and breast cancer. *PLoS One* 2008; 3(3):e1706. PMC2248618

37. **Guthrie KA**, Tishkevich NR, Nelson JL: Non inherited maternal HLA antigens in susceptibility to familial rheumatoid arthritis. *Ann Rheum Dis* 2009; 68:107-9. PMC2760537
38. Changsirikulchai S, Myerson D, **Guthrie KA**, McDonald GB, Alpers CE, Hingorani SR: Renal thrombotic microangiopathy after hematopoietic cell transplant: role of GVHD in pathogenesis. *Clin J Am Soc Nephrol* 2009; 4:345-53. PMC2637592
39. McCune JS, Batchelder A, **Guthrie KA**, Witherspoon RP, Appelbaum FR, Phillips B, Vicini P, Salinger DH, McDonald GB: Personalized dosing of cyclophosphamide in the total body irradiation-cyclophosphamide conditioning regimen: a phase II trial in patients with hematologic malignancies. *Clin Pharmacol Ther* 2009; 85:615-22. PMC2718578
40. Oehler VG, **Guthrie KA**, Cummings CL, Sabo K, Wood BL, Gooley T, Yang T, Epping MT, Dai H, Pogossova-Agadjanyan E, Ladne P, Stirewalt DL, Abkowitz JL, and Radich JP: The Preferentially Expressed Antigen in Melanoma (PRAME) inhibits myeloid differentiation in normal hematopoietic and leukemic progenitor cells. *Blood* 2009; 114:3299-308. PMC2759652
41. **Guthrie KA**, Yong M, Frieze D, Corey L, Fredricks DN: The impact of a change in antibacterial prophylaxis from ceftazidime to levofloxacin hematopoietic cell transplantation. *Bone Marrow Transplant* 2010; 45:675-81. PMC2911962
42. Milano F, Campbell AP, **Guthrie KA**, Kuypers J, Englund JA, Corey L, Boeckh MJ: Human rhinovirus and coronavirus detection among allogeneic hematopoietic stem cell transplantation recipients. *Blood* 2010; 115: 2088-94. PMC2837322
43. Campbell AP, Chien J, Kuypers J, Englund JA, Wald A, **Guthrie KA**, Corey L, Boeckh MJ: Respiratory virus pneumonia after hematopoietic cell transplantation (HCT): associations between viral load in bronchoalveolar lavage samples, viral RNA detection in serum samples, and clinical outcomes of HCT. *J Infect Dis* 2010; 201:1404-13. PMC2853730
44. **Guthrie KA**, Dugowson CE, Voigt LF, Koepsell TD, Nelson JL: Does pregnancy provide vaccine-like protection against rheumatoid arthritis? *Arthritis Rheum* 2010; 62:1842-8. PMC2910625
45. Gammill HS, **Guthrie KA**, Aydelotte TM, Adams Waldorf KM, Nelson JL: Effect of parity on fetal and maternal microchimerism: interaction of grafts within a host? *Blood* 2010; 116:2706-12. PMC2974583
46. Sunku CC, Gadi VK, Lacoste B, **Guthrie KA**, Nelson JL: Maternal and fetal microchimerism in granulocytes. *Chimerism* 2010; 1:11-14. PMC3035109
47. Nemecek ER, **Guthrie KA**, Sorrow ML, Wood BL, Doney KC, Hilger RA, Scott BL, Kovacsovics TJ, Maziarz RT, Woolfrey AE, Bedalov A, Sanders JE, Pagel JM, Sickel EJ, Witherspoon R, Flowers ME, Appelbaum FR, Deeg HJ: Conditioning with treosulfan and fludarabine followed by allogeneic hematopoietic cell transplantation for high-risk hematologic malignancies. *Biol Blood Marrow Transplant* 2011; 17:341-50. PMC2974965
48. Yan Z, Aydelotte T, Gadi VK, **Guthrie KA**, Nelson JL: Acquisition of the rheumatoid arthritis HLA shared epitope through microchimerism. *Arthritis Rheum* 2011; 63:640-4. PMC3188444
49. Freeman EW, **Guthrie KA**, Caan B, Sternfeld B, Cohen LS, Joffe H, Carpenter JS, Anderson GL, Larson JC, Ensrud KE, Reed SD, Newton KM, Sherman S, Sammel MD, LaCroix AZ: Efficacy of escitalopram for hot flashes in healthy menopausal women: a randomized controlled trial. *JAMA* 2011; 305:267-74. PMC3129746
50. **Guthrie KA**, Gammill HS, Madeleine MM, Dugowson CE, Nelson JL: Parity and HLA alleles in risk of rheumatoid arthritis. *Chimerism* 2011; 2:11-15. PMC3084950
51. Gopal AK, **Guthrie KA**, Rajendran J, Pagel JM, Olivieria G, Maloney DG, Matesan MC, Storb RF, Press OW: ⁹⁰Y-ibritumomab tiuxetan, fludarabine, and TBI based non-myeloablative allogeneic transplant conditioning for patients with persistent high-risk B-cell lymphoma. *Blood* 2011; 118:1132-9. PMC3673760
52. Budde LE, **Guthrie KA**, Till BG, Press OW, Chauncey TR, Pagel JM, Petersdorf SH, Bensinger WI, Holmberg LA, Shustov AR, Green DJ, Maloney DG, Gopal AK: The Mantle Cell International Prognostic Index but not pre-transplant induction regimen predicts survival for

patients with mantle cell lymphoma undergoing high dose therapy and autologous stem cell transplant. *J Clin Oncol* 2011; 29:3023-9. PMC3157964

53. Gadi VK, Nelson JL, **Guthrie KA**, Anderson CC, Boespflug ND, Redinger JW, Paul B, Dinyari P, Shapiro AMJ: Soluble donor DNA and islet injury after transplantation. *Transplantation* 2011; 92:607-11.
54. Ensrud KE, Joffe H, **Guthrie KA**, Larson JC, Reed SD, Newton KM, Sternfeld B, LaCroix AZ, Landis CA, Woods NF, Freeman EW: Effect of escitalopram on insomnia symptoms and subjective sleep quality in healthy menopausal women with hot flashes: a randomized controlled trial. *Menopause* 2012; 19:848-55. PMC3382013
55. Reed SD, **Guthrie KA**, Joffe H, Shifren JL, Seguin RA, Freeman EW: Sexual function in nondepressed women in escitalopram trial for vasomotor symptoms: a randomized controlled trial. *Obstet Gynecol* 2012; 119:527-38. PMC3345186
56. Carpenter JS, **Guthrie KA**, Larson JC, Freeman EW, Joffe H, Reed SD, Ensrud KE, LaCroix AZ: Effect of escitalopram on hot flash interference: a randomized, controlled trial. *Fertil Steril* 2012; 97:1399-404.e1. PMC3367120
57. Li N, **Guthrie KA**, Storer BE, Martin PJ, Sale GE, Argenyi ZB, Myerson D: Keratinocyte dysplasia in hematopoietic stem cell transplant recipients in the day 28 to 84 posttransplant period. *Biol Blood Marrow Transplant* 2012; 18:1281-6. PMC3402699
58. Aspesberro F, **Guthrie KA**, Woolfrey AE, Brogan TV, Roberts JS: Outcome of pediatric hematopoietic stem cell transplant recipients requiring mechanical ventilation. *J Intensive Care Med* 2014; 29(1):31-7.
59. Peterson SE, Nelson JL, **Guthrie KA**, Gadi VK, Aydelotte TM, Oyer DJ, Prager SW, Gammill HS: Prospective assessment of fetal-maternal cell transfer in miscarriage and pregnancy termination. *Hum Reprod* 2012; 27:2607-12. PMC3415291
60. Blake JM, Nicoud IB, Weber D, Voorhies H, **Guthrie KA**, Heimfeld S, Delaney C: Improved immunomagnetic enrichment of CD34 (+) cells from umbilical cord blood using the CliniMACS cell separation system. *Cytotherapy* 2012; 14:818-22. PMC3930473
61. Grim JE, Knoblaugh SE, **Guthrie KA**, Hagar A, Swanger J, Hespelt J, Delrow JJ, Small T, Grady WM, Nakayama KI, Clurman BE: Fbw7 and p53 cooperatively suppress advanced and chromosomally unstable intestinal cancer. *Mol Cell Biol* 2012; 32:2160-7. PMC3372235
62. Kuypers J, Campbell AP, **Guthrie KA**, Wright NL, Englund JA, Corey L, Boeckh M: Detection of QUPyV and KIPyV polyomaviruses in respiratory samples from allogeneic hematopoietic stem cell transplantation recipients. *Emerg Infect Dis* 2012; 18:1580-8. PMC3471632
63. Joffe H, **Guthrie KA**, Larson J, Cohen LS, Carpenter JS, LaCroix AZ, Freeman EW: Relapse of vasomotor symptoms after discontinuing of the SSRI escitalopram: results from the MsFLASH research network. *Menopause* 2013; 20:261-8. PMC3561495
64. Chan WFN, Gurnot C, Modine TJ, Sonnen JA, **Guthrie KA**, Nelson JL: Male microchimerism in the human female brain. *PLoS One* 2012; 7(9):e45592. PMC3458919
65. Campbell AP, Kuypers J, Englund JA, **Guthrie KA**, Corey L, Boeckh M: Self collection of foam nasal swabs for respiratory virus detection by PCR among immunocompetent subjects and hematopoietic cell transplant recipients. *J Clin Microbiol* 2012; 51:324-7. PMC3536199
66. Sternfeld B, LaCroix A, Caan BJ, Dunn AL, Newton KM, Reed SD, **Guthrie KA**, Booth-LaForce C, Sherman KJ, Cohen L, Freeman MP, Carpenter JS, Hunt JR, Roberts M, Ensrud KE: Design and methods of a multi-site, multi-behavioral treatment trial for menopausal symptoms: the MsFLASH experience. *Contemp Clin Trials* 2013; 35:25-34. PMC3670607
67. Newton KM, Carpenter JS, **Guthrie KA**, Anderson GL, Caan B, Cohen LS, Ensrud KE, Freeman EW, Joffe H, Sternfeld B, Reed SD, Sherman S, Sammel MD, Kroenke K, Larson JC, LaCroix AZ: Methods for the design of vasomotor symptom trials: the MsFLASH network. *Menopause* 2014; 21(1):45-58. PMC3796184
68. Sternfeld BS, **Guthrie KA**, Ensrud KE, LaCroix AZ, Larson JC, Dunn AL, Anderson GL, Seguin RA, Carpenter JS, Newton KM, Reed SD, Freeman EW, Cohen LS, Joffe H, Roberts

- M, Caan BJ: Efficacy of exercise for menopausal symptoms: a randomized controlled trial. *Menopause* 2014; 21(4):330-8. PMC3858421
69. Newton KM, Reed SD, **Guthrie KA**, Sherman KJ, Booth-LaForce C, Caan B, Sternfeld B, Carpenter JS, Learman LA, Freeman EW, Cohen LS, Joffe H, Anderson GL, Larson JC, Hunt JR, Ensrud KE, LaCroix AZ: Efficacy of yoga for vasomotor symptoms: a randomized controlled trial. *Menopause* 2014; 21(4):339-46. PMC3871975
 70. Cohen LS, Joffe H, **Guthrie KA**, Ensrud KE, Freeman MP, Carpenter JS, Learman LA, Newton KM, Reed SD, Manson JE, Sternfeld B, Caan BJ, Freeman EW, LaCroix AZ, Tinker LF, Booth-LaForce C, Larson JC, Anderson GL: Efficacy of Omega-3 treatment for vasomotor symptoms: a randomized controlled trial. *Menopause* 2014; 21(4):347-54. PMC4072122
 71. Eun JK, **Guthrie KA**, Zirpoli G, Gadi VK: In situ breast cancer and microchimerism. *Sci Rep* 2013; 3:2192. PMC3709160
 72. Cassaday R, **Guthrie KA**, Budde EL, Thompson L, Till BG, Press OW, Chauncey TR, Pagel JM, Petersdorf SH, Palanca-Wessels MC, Philip M, Bensinger WI, Holmberg LA, Shustov A, Green DJ, Libby EN, Maloney DG, Gopal A: Specific features identify patients with relapsed/refractory mantle cell lymphoma benefitting from autologous hematopoietic cell transplantation. *Biol Blood Marrow Transplant* 2013; 19(9):1403-6. PMC3788600
 73. Lannon SR, **Guthrie KA**, Reed SD, Gammill HS: Mode of delivery at periviable gestational ages: impact on subsequent reproductive outcomes. *J Perinat Med* 2013; 41(6):691-7.
 74. Vande Vusse LK, Madtes DK, **Guthrie KA**, Gernsheimer TB, Weiss NS, Curtis JR, Watkins TR: The association between red blood cell and platelet transfusion and subsequently developing idiopathic pneumonia syndrome after hematopoietic stem cell transplantation. *Transfusion* 2014; 54(4):1071-80. PMC4059041
 75. Gammill HS, Aydelotte TM, **Guthrie KA**, Nkwopara EC, Nelson JL: Cellular fetal microchimerism in preeclampsia. *Hypertension* 2013; 62(6):1062-7. PMC4395136
 76. Ma KK, Nelson JL, **Guthrie KA**, Dugowson CE, Gammill HS: Adverse pregnancy outcomes and risk of subsequent rheumatoid arthritis. *Arthritis Rheumatol* 2014; 66(3):508-12. PMC5318164
 77. Reed SD, **Guthrie KA**, Newton KM, Anderson GL, Booth-LaForce C, Caan B, Carpenter JS, Cohen LS, Dunn AL, Ensrud KE, Freeman EW, Hunt J, Joffe H, Larson J, Learman LA, Rothenberg R, Seguin RA, Sherman KJ, Sternfeld BS, LaCroix AZ: Impact of yoga, exercise or Omega-3 fatty acids on quality of life in menopausal women: a randomized controlled trial. *Am J Obstet Gynecol* 2014; 210(3):244.e1-11. PMC3976276
 78. Kim YJ, **Guthrie KA**, Waghmare A, Walsh EE, Falsey AR, Kuypers J, Cent A, Englund JA, Boeckh M: Respiratory syncytial virus in hematopoietic cell transplant recipients: factors determining progression to lower respiratory tract disease. *J Infect Dis* 2014; 209(8):1195-204. PMC3969549
 79. Raj K, Pagliuca A, Bradstock K, Noriega V, Potter V, Streetly M, Mclornan D, Kazmi M, Marsh J, Kwan J, Huang G, Getzendaner L, Lee S, **Guthrie KA**, Mufti GJ, O'Donnell P: Peripheral blood hematopoietic stem cells for transplantation of hematological diseases from related, haploidentical donors after reduced-intensity conditioning. *Biol Blood Marrow Transplant* 2014; 20(6):890-5. PMC4451937
 80. Joffe H, **Guthrie KA**, LaCroix AZ, Reed SD, Ensrud KE, Manson JE, Newton KM, Freeman EW, Anderson GL, Larson JC, Hunt J, Shifren J, Rexrode KM, Caan B, Sternfeld B, Carpenter JS, Cohen L: Low-dose estradiol and the serotonin-norepinephrine reuptake inhibitor venlafaxine for vasomotor symptoms: a randomized clinical trial. *JAMA Intern Med* 2014; 174(7):1058-66. PMC4179877
 81. Milano F, Shulman HM, **Guthrie KA**, Riffkin I, McDonald GB, Delaney C: Late onset colitis after cord blood transplantation is caused by graft versus host disease: results of a blinded histopathological review. *Biol Blood Marrow Transplant* 2014; 20(7):1008-13.
 82. Reed SD, Mitchell CM, Joffe H, Cohen L, Shifren JL, Newton KM, Freeman EW, Larson JC, Manson JE, LaCroix AZ, **Guthrie KA**: Sexual function in women on estradiol or venlafaxine

for hot flashes: a randomized controlled trial. *Obstet Gynecol* 2014; 124(2):233-41. PMC4113909

83. Diem SJ, Joffe H, Larson JC, Tsai J, **Guthrie KA**, LaCroix AZ, Ensrud KE, Freeman EW, Leder B: Effects of escitalopram on markers of bone turnover: a randomized controlled trial. *J Clin Endocrin Metab* 2014; 99(9):E1732-7. PMC4154080
84. Ensrud KE, **Guthrie KA**, Hohensee C, Caan B, Carpenter JS, Freeman EW, LaCroix AZ, Landis CA, Manson J, Newton KM, Otte J, Reed SD, Shifren JL, Sternfeld B, Woods NF, Joffe H: Effects of estradiol and venlafaxine on insomnia symptoms and sleep quality in women with hot flashes. *Sleep* 2015; 38(1):97-108. PMC4262961
85. Caan B, LaCroix AZ, Joffe H, **Guthrie KA**, Larson JC, Carpenter JS, Cohen LS, Freeman EW, Manson JE, Newton K, Reed S, Rexrode K, Shifren J, Sternfeld B, Ensrud K: Effects of estrogen and venlafaxine on menopause-related symptoms and quality of life in healthy postmenopausal women with hot flashes: a randomized controlled trial. *Menopause* 2015; 22(6):607-15. PMC4610378
86. Rezvani A, Storer BE, **Guthrie KA**, Schoch GS, Maloney DG, Sandmaier BM, Storb RF: Impact of donor age on outcome after allogeneic hematopoietic cell transplantation. *Biol Blood Marrow Transplant* 2015; 21(1):105-12. PMC4286386
87. Cassaday RD, Storer BE, Sorrow ML, Sandmaier BM, **Guthrie KA**, Maloney DG, Rajendran JG, Pagel JM, Flowers ME, Green DJ, Rezvani AR, Storb RF, Press OW, Gopal AK: Long-term outcomes of patients with persistent indolent B-cell malignancies undergoing nonmyeloablative allogeneic transplantation. *Biol Blood Marrow Transplant* 2015; 21(2):281-7. PMC4408880
88. Carpenter JS, Reed SD, **Guthrie KA**, Larson JC, Newton KM, Lau RJ, Learman LA, Shifren JL: Using an FSDS-R item to screen for sexually related distress: a MsFLASH analysis. *Sex Med* 2015; 3(1):7-13. PMC4380908
89. Freeman EW, Ensrud KE, Larson JC, **Guthrie KA**, Carpenter JS, Joffe H, Newton KM, Sternfeld B, LaCroix AZ: Placebo improvement in pharmacologic treatment of menopausal hot flashes: time course, duration and predictors. *Psychosom Med* 2015; 77(2):167-75. PMC4333078
90. Ben-Josef E, **Guthrie KA**, El-Khoueiry A, Corless CL, Zalupski MM, Lowy AM, Thomas CR, Alberts SR, Dawson LA, Micetich KC, Thomas MB, Siegel AB, Blanke CD: SWOG S0809: A phase II trial of adjuvant capecitabine/gemcitabine followed by radiotherapy and concurrent capecitabine in extrahepatic cholangiocarcinoma and gallbladder carcinoma. *J Clin Oncol* 2015; 33(24):2617-22. PMC4534524
91. Lannon SR, **Guthrie KA**, Vanderhoeven JP, Gammill HS: Cesarean delivery at periviability: risk of uterine rupture independent of incision type. *Obstet Gynecol* 2015; 125(5):1095-100. PMC4418026
92. Erard V, **Guthrie KA**, Seo S, Smith J, Huang ML, Chien J, Flowers MED, Corey L, Boeckh M: Cytomegalovirus pneumonia after hematopoietic cell transplantation: changes in outcome over 25 years and prognostic factors associated with mortality. *Clin Infect Dis* 2015; 61(1):31-9. PMC4542910
93. Campbell AP, **Guthrie KA**, Englund JA, Farney RM, Minerich EL, Kuypers J, Corey L, Boeckh M: Clinical outcomes associated with respiratory virus detection before allogeneic hematopoietic stem cell transplantation. *Clin Infect Dis* 2015; 61(2):192-202. PMC4565994
94. **Guthrie KA**, LaCroix AZ, Ensrud KE, Joffe H, Newton KM, Reed S, Caan B, Carpenter JS, Cohen L, Freeman EW, Larson JC, Manson JE, Rexrode K, Skaar TC, Sternfeld B, Anderson GL: Pooled analysis of six pharmacologic and nonpharmacologic interventions for vasomotor symptoms. *Obstet Gynecol* 2015; 126(2):413-22. PMC4526122
95. Woods NF, Hohensee C, Carpenter JS, Cohen L, Ensrud KE, Freeman EW, **Guthrie KA**, Joffe H, LaCroix AZ, Otte JL, Cochrane B: Symptom clusters among MsFLASH clinical trial participants. *Menopause* 2016; 23(2):158-65. PMC4731298

96. Siegel AB, El-Khoueiry AB, Finn RS, **Guthrie KA**, Goyal A, Venook AP, Blanke CD, Verna EC, Dove L, Emond J, Kato T, Samstein B, Busuttill R, Remotti H, Coffey A, Brown RS Jr: Phase I trial of sorafenib following liver transplantation in patients with high-risk hepatocellular carcinoma. *Liver Cancer* 2015; 4(2):115-25. PMC4439789.
97. Carpenter JS, Woods NF, Otte JL, **Guthrie KA**, Hohensee C, Newton KM, Joffe H, Cohen L, Sternfeld BS, Lau RJ, Reed SD, LaCroix AZ: Patient Priorities for Alleviating Menopausal Symptoms. *Climacteric* 2015; 18(6):859-66. PMC4732703
98. Jones SMW, **Guthrie KA**, LaCroix AZ, Sternfeld B, Landis CA, Reed SD, Dunn A, Caan B, Cohen LS, Hunt JR, Newton KM: Is heart rate variability associated with frequency and bother of vasomotor symptoms among healthy peri-menopausal and post-menopausal women? *Clin Auton Res* 2016; 26(1):7-13. PMC4742392
99. Cheung WY, Renfro LA, Kerr D, de Gramont A, Saltz LB, Grothey A, Alberts SR, Andre T, **Guthrie KA**, Labianco R, Francini G, Seitz JF, O'Callaghan C, Twelves C, Van Cutsem E, Haller D, Yothers G, Sargent DJ: Determinants of early mortality among 37,568 colon cancer patients participating in 25 clinical trials of the ACCENT database. *J Clin Oncol* 2016; 34(11):1182-9. PMC4933130
100. Reed SD, Newton KM, Larson JC, Booth LaForce C, Woods NF, Landis CA, Tolentino E, Carpenter JS, Freeman EW, Joffe H, Anawalt B, **Guthrie KA**: Daily salivary cortisol patterns in midlife women with hot flashes. *Clin Endocrinol* 2016; 84(5):672-79. PMC5106033
101. **Guthrie KA**, Gammill HS, Kamper-Jorgensen M, Tjonneland A, Nelson JL, Gadi VK, Leisenring W: Statistical methods for unusual count data: examples from studies of microchimerism. *Am J Epidemiol* 2016; 184(10):779-786. PMC5141948
102. Jones SMW, **Guthrie KA**, Reed SD, Landis CA, Sternfeld B, LaCroix AZ, Dunn A, Newton KM: A yoga and exercise randomized controlled trial for vasomotor symptoms: effects on heart rate variability. *Complement Ther Med* 2016; 26:66-71. PMC4893767
103. McCurry S, **Guthrie KA**, Morin CM, Woods NF, Landis CA, Ensrud KE, Larson JC, Joffe H, Cohen LS, Hunt JR, Newton KM, Otte JL, Reed SD, Sternfeld B, Tinker LF, LaCroix AZ: Telephone delivered cognitive-behavior therapy for insomnia in midlife women with vasomotor symptoms: a MsFLASH randomized trial. *JAMA Intern Med* 2016; 176(7):913-920. PMC4935624
104. Carpenter JS, Jones SMW, Studts CR, Heiman JR, Reed SD, Newton KM, **Guthrie KA**, Larson JC, Cohen LS, Freeman EW, Lau RJ, Learman LA, Shifren JL: Female Sexual Function Index short version: a MsFLASH item response analysis. *Arch Sex Behav* 2016; 45(8):1897-1905. PMC5053877
105. Papamichael D, Renfro LA, Matthaiou C, Yothers G, Saltz L, **Guthrie KA**, Van Cutsem E, Schmoll H-J, Labianca R, André T, O'Connell M, Alberts SR, Haller DG⁰, Kountourakis P, Sargent DJ for the Adjuvant Colon Cancer Endpoints (ACCENT) Group: Validity of Adjuvant! Online in older patients with stage III colon cancer based on 2,967 patients from the ACCENT database. *J Geriatr Onc* 2016; 7(6):422-429. PMC5159186
106. Buchanan DT, Landis CA, Hohensee C, **Guthrie KA**, Otte JL, Paudel M, Anderson GL, Caan B, Freeman EW, Joffe H, LaCroix AZ, Newton KM, Reed SD, Ensrud KE: Effects of aerobic exercise and yoga on actigraphic sleep parameters in menopausal women with hot flashes. *J Clin Sleep Med* 2017; 13(1):11-18. PMC5181601
107. Chung V, McDonough S, Philip PA, Cardin DB, Wang-Gillam A, Hui L, Tejani MA, Seery TE, Dy IA, Al Baghdadi T, Hendifar AE, Doyle LA, Lowy AM, **Guthrie KA**, Blanke CD, Hochster HS: Effect of Selumetinib and MK-2206 versus Oxaliplatin and Fluorouracil in patients with metastatic pancreatic cancer after prior therapy: SWOG S1115 Randomized Study. *JAMA Oncol* 2017; 3(4):516-522. PMC5665683
108. Yao JC, **Guthrie KA**, Moran C, Strosberg JR, Kulke MH, Chan JA, Loconte NK, McWilliams RR, Wolin EM, Mattar B, McDonough SL, Chen HX, Blanke CD, Hochster HS: Phase III prospective randomized comparison trial of Depot Octreotide plus Interferon Alpha-2b versus Depot Octreotide plus Bevacizumab in advanced carcinoid patients: SWOG S0518. *J Clin Oncol* 2017; 35(15):1695-1703. PMC5455764

109. Carpenter JS, Bakoyannis G, Otte JL, Chen CX, Rand KL, Woods NF, Newton KM, Joffe H, Manson JE, Freeman EW, **Guthrie KA**: Validity, cutpoints, and minimally important differences for two hot flash related daily interference scales. *Menopause* 2017; 24(8):877-885. PMC6002749
110. Mitchell CM, Srinivasan S, Zhan X, Wu MC, Reed SD, **Guthrie KA**, LaCroix AZ, Fiedler T, Munch M, Liu C, Hoffman NG, Blair IA, Newton K, Freeman EW, Joffe H, Cohen L, Fredricks DN: Vaginal microbiota and genitourinary menopausal symptoms: A cross sectional analysis. *Menopause* 2017; 24(10):1160-1166. PMC5607086
111. Leichman CG, McDonough SL, Smalley SR, Billingsley KG, Lenz HJ, Beldner MA, Hezel AF, Velasco MR, **Guthrie KA**, Blanke CD, Hochster HS: SWOG S0713: Cetuximab added to induction oxaliplatin and capecitabine, followed by neoadjuvant chemoradiation for locally advanced rectal cancer: SWOG 0713. *Clin Colorectal Cancer* 2018; 17(1):e121-e125. PMC6598683
112. **Guthrie KA**, Larson JC, Ensrud KE, Anderson GL, Carpenter JS, Freeman EW, Joffe H, LaCroix AZ, Manson JE, Morin CM, Newton KM, Otte J, Reed SD, McCurry SM: Effects of pharmacologic and nonpharmacologic interventions on insomnia symptoms and subjective sleep quality in women with hot flashes: A pooled analysis of individual participant data from 4 MsFLASH trials. *Sleep* 2018; 41(1); zsx190. PMC6380606
113. Mitchell CM, Srinivasan S, Plantinga A, Wu MC, Reed SD, **Guthrie KA**, LaCroix AZ, Fiedler T, Munch M, Liu C, Hoffman NG, Blair IA, Newton K, Freeman EW, Joffe H, Cohen L, Fredricks DN: Associations between improvement in genitourinary symptoms of menopause and changes in the vaginal ecosystem. *Menopause* 2018; 25(5):500-507. PMC5898977
114. Mitchell CM, Reed SD, Diem S, Larson JC, Newton KM, Ensrud KE, LaCroix AZ, Caan B, **Guthrie KA**: Efficacy of vaginal estradiol or vaginal moisturizer vs. placebo for treating postmenopausal vulvovaginal symptoms: A randomized clinical trial. *JAMA Intern Med* 2018; 178(5):681-690. PMC5885275
115. Zhao N, Zhan X, **Guthrie KA**, Mitchell CM, Larson J: Generalized Hotelling's test for paired compositional data with application to human microbiome studies. *Genet Epidemiol* 2018; 42(5):459-469.
116. Diem S, **Guthrie KA**, Mitchell CM, Reed SD, Larson JC, Ensrud KE, LaCroix AZ: Effects of vaginal estradiol tablets and moisturizer on menopause-specific quality of life and mood in healthy post-menopausal women with vaginal symptoms: a randomized clinical trial. *Menopause* 2018; 25(10):1086-1093. PMC613697
117. Ramanathan RK, McDonough SL, Philip PA, Hingorani SR, Lacy J, Kortmansky JS, Thumar J, Chiorean EG, Shields AF, Behl D, Mehan PT, Gaur R, Seery T, **Guthrie KA**, Hochster HS: A Phase IB/II Randomized Study of FOLFIRINOX + Pegylated Recombinant Human Hyaluronidase versus FOLFIRINOX alone in Patients with Metastatic Pancreatic Adenocarcinoma: SWOG 1313. *J Clin Oncol* 2019; 37(13):1062-1069. PMC6494359
118. Otte JL, Bakoyannis G, Rand KL, Ensrud KE, **Guthrie KA**, Joffe H, McCurry SM, Newton KM, Carpenter JS: Confirmatory factor analysis of the Insomnia Severity Index (ISI) and invariance across race: A pooled analysis of MsFLASH data. *Menopause* 2019; 26(8):850-855. PMC6663566
119. Mitchell CM, **Guthrie KA**, Larson J, Diem S, LaCroix AZ, Caan B, Shifren JL, Woods NF, Heiman JR, Lindau S, Reed SD: Sexual frequency and pain in a randomized clinical trial of vaginal estradiol tablets, moisturizer and placebo in postmenopausal women. *Menopause* 2019; 26(8):816-822. PMC6663586
120. **Guthrie KA**, Caan B, Diem S, Ensrud KE, Greaves SR, Larson JC, Newton KM, Reed SD, LaCroix AZ: Facebook ads for recruitment of midlife women with bothersome vaginal symptoms: A pilot study. *Clin Trials* 2019; 16(5):476-480. PMC6742530
121. Reed SD, LaCroix AZ, Anderson GL, Ensrud KE, Caan B, Carpenter JS, Cohen L, Diem S, Freeman E, Joffe H, Larson JC, McCurry SM, Mitchell CM, Newton KM, Sternfeld S, **Guthrie KA**: Lights on MsFLASH – A Review of Contributions. *Menopause* 2020; 27(4):473-484. PMC8009305

122. Iqbal S, McDonough S, Lenz HJ, Ilson D, Burtress B, Nangia CS, Barzi A, Schneider CJ, Liu JJ, Dotan E, **Guthrie KA**, Hochster HS: A Randomized Phase II Pilot Study Prospectively Evaluating Treatment for Patients with Advanced/Metastatic Esophageal, Gastric or Gastroesophageal Junction Cancer Based on Gene Expression of ERCC1: SWOG S1201 (NCT01498289). *J Clin Oncol* 2020; 38(5):472-479. PMC7007287
123. Hunter MM, **Guthrie KA**, Larson JC, Reed SD, Mitchell CM, Diem SJ, LaCroix AZ, Huang A: Convergent-divergent validity and correlates of the Day-to-Day Impact of Vaginal Aging domain scales in the MsFLASH vaginal health trial. *J Sex Med* 2020; 17(1):117-125. PMC6956841
124. Gibson CJ, Huang AJ, Larson JC, Mitchell C, Diem S, LaCroix A, Newton K, Reed SD, **Guthrie KA**: Patient-Centered Change in the Day-to-Day Impact of Postmenopausal Vaginal Symptoms: Results from a Multicenter Randomized Trial. *Am J Obstet Gynecol* 2020; 223(1):99.e1-99.e9. PMC7321858
125. Kim RD, McDonough S, El-Khoueiry AB, Bekaii-Saab TS, Stein SM, Sahai V, Keogh GP, Kim EJ, Baron AD, Siegel AB, Barzi A, **Guthrie KA**, Javle M, Hochster H: Randomized Phase II trial (SWOG S1310) of single agent MEK inhibitor trametinib vs 5-fluorouracil or capecitabine in refractory advanced biliary cancer. *Euro J Cancer* 2020; 130:219-227. PMC7539324
126. Diem S, LaCroix AZ, Reed SD, Larson JC, Newton KM, Ensrud KE, Woods NF, **Guthrie KA**: Effects of pharmacologic and non-pharmacologic interventions on menopause-related quality of life: a pooled analysis of individual participant data from four MsFLASH trials. *Menopause* 2020; 27(10):1126-1136. PMC8034544
127. Ahmad SA, Duong M, Sohal DPS, Gandhi NS, Beg MS, W-G A, Wade JL, **Guthrie KA**, Lowy AM, Philip PA, Hochster HS: Surgical Outcome Results from SWOG S1505: A Randomized Clinical Trial of mFOLFIRINOX vs. Gemcitabine/nab-Paclitaxel for Perioperative Treatment of Resectable Pancreatic Ductal Adenocarcinoma (PDA). *Ann Surg* 2020; 272(3):481-486. PMC7856053
128. Mitchell CM, Srinivasan S, Ma N, Reed SD, Wu MC, Hoffman NG, Valint DJ, Proll S, Fiedler TL, Agnew K, **Guthrie KA**, Fredricks DN: Bacterial communities associated with abnormal Nugent score are different in pre- vs. post-menopausal women. *J Infect Dis* 2021; 223(12):2048-2052. PMC8350750
129. Carpenter JS, Tisdale JE, Chen CX, Kovacs R, Larson JC, **Guthrie KA**, Ensrud KE, Newton KM, LaCroix AZ: A MsFLASH investigation of self-reported menopausal palpitations distress. *J Women's Health* 2021; 30(4):533-538. PMC8064942
130. Milano F, Emerson RO, Salit R, **Guthrie KA**, Thur LA, Dahlberg A, Robins HS, Delaney C: Impact of T Cell Repertoire Diversity on Mortality Following Cord Blood Transplantation. *Front Oncol* 2020; 10:583349. PMC7582952
131. Kopetz S, **Guthrie KA**, Morris VK, Lenz HJ, Magliocco AM, Maru D, Airhart SD, Yan Y, Lanman R, Manyam G, Hong D, Sorokin A, Atreya CE, Diaz LA, Allegra C, Raghav KP, Wang SE, Lieu CH, McDonough SL, Philip PA, Hochster HS: Randomized trial of irinotecan and cetuximab with or without vemurafenib in BRAF-mutant metastatic colorectal cancer (SWOG S1406). *J Clin Oncol* 2021; 39(4):285-294. PMC8462593
132. Hudson PL, Ling W, Wu MC, Hayward M, Mitchell AJ, Larson JC, **Guthrie KA**, Reed SD, Kwon D, Mitchell CM: Comparison of the vaginal microbiota in postmenopausal Black and White women. *J Infect Dis* 2021; 224(11):1945-1949. PMC8825215
133. Sohal DPS, Duong M, Ahmad SA, Gandhi NS, Beg MS, Wang-Gillam A, Wade JL, Chiorean EG, **Guthrie KA**, Lowy AM, Philip PA, Hochster HS: Efficacy of perioperative chemotherapy for resectable pancreatic adenocarcinoma: A phase 2 randomized clinical trial. *JAMA Oncol* 2021; 7(3):421-427. PMC7821078
134. Mitchell CM, Ma N, Mitchell A, Wu MC, Valint DJ, Proll S, Reed SD, **Guthrie KA**, LaCroix AZ, Larson JC, Raftery D, Fredricks DN, Srinivasan S: Association between postmenopausal vulvovaginal discomfort, vaginal microbiota and mucosal inflammation. *Am J Obstet Gynecol* 2021; 225(2):159.e1-159.e15. PMC8328873

135. Meyerhardt JA, Shi Q, Fuchs CS, Meyer J, Niedzwiecki D, Zemla T, Kumthekar P, **Guthrie KA**, Couture F, Kuebler P, Bendell JC, Kumar P, Lewis D, Tan B, Bertagnolli M, Grothey A, Hochster HS, Goldberg RM, Venook A, Blanke C, O'Reilly E, Shields AF: Effect of Celecoxib vs Placebo Added to Standard Adjuvant Therapy on Disease-Free Survival amongst Patients with Stage III Colon Cancer: The CALGB/SWOG 80702 (Alliance) Randomized Clinical Trial. *JAMA* 2021; 325(13):1277-1286. PMC8025124
136. Sun V, Crane TE, Arnold KB, **Guthrie K**, Freylersthe S, Braun-Inglis C, Jones L, Cohen SA, Al-Kasspooles M, Krouse RS, Thomson CA: SWOG S1820: Altering Intake, Managing Symptoms for bowel dysfunction in survivors of Rectal Cancer (The AIMS-RC Intervention Trial). *Contemp Clin Trials Commun* 2021; 22:100768. PMC8105629
137. Mo J, Darke AK, **Guthrie KA**, Sloan JA, Unger JM, Hershman DL, O'Rourke M, Bakitas M, Krouse RS: The Association of Fatigue and Outcomes in Advanced Cancer: An Analysis of Four SWOG Treatment Trials. *JCO Oncol Practice* 2021; 17(8):e1246-e1257. PMC8360454
138. Hui D, Darke AK, **Guthrie KA**, Subbiah IM, Unger JM, Hershman DL, Krouse RS, Bakitas M, O'Rourke MA: Association between Health-Related Quality of Life and Progression Free Survival in Patients with Advanced Cancer: A Secondary Analysis of SWOG Clinical Trials. *JCO Oncol Practice* 2022; 18(4):e442-e451. PMC9014467
139. Carpenter JS, Tisdale JE, Larson JC, Sheng Y, Chen CX, Ah DV, Kovacs R, Reed SD, Thurston R, **Guthrie KA**: MsFLASH Analysis of Diurnal Salivary Cortisol and Palpitations in Peri and Postmenopausal Women. *Menopause* 2022; 29(2):144-150. PMC8797016
140. Chiorean EG, **Guthrie KA**, Philip PA, Swisher EM, Jalikis F, Pishvaian MJ, Berlin J, Noel MS, Suga JM, Garrido-Laguna I, Cardin DB, Radke MR, Duong M, Lowy AM, Hochster HS: Randomized Phase II Study of PARP Inhibitor ABT-888 (Veliparib) with Modified FOLFIRI versus FOLFIRI as Second Line Treatment of Metastatic Pancreatic Cancer: SWOG 1513. *Clin Cancer Res* 2021; 27(23):6314-6322. PMC8639715
141. Reed SD, Carpenter JS, Larson JC, Mitchell CM, Shifren J, Heiman J, Woods NF, Lindau ST, LaCroix AZ, **Guthrie KA**: Toward a Better Measure of Midlife Sexual Function: Pooled analyses in nearly 1000 women participating in MsFLASH randomized trials. *Menopause* 2022; 29(4):397-407. PMC8976731
142. Srinivasan S, Hua X, Wu MC, Prohl S, Valint DJ, Reed SD, **Guthrie KA**, LaCroix AZ, Larson JC, Pepin R, Bhasin S, Raftery D, Fredricks DN, Mitchell CM: Impact of topical interventions on the vaginal microbiota and metabolome in postmenopausal women. *JAMA Netw Open* 2022; 5(3):e225032. PMC8968546
143. Crandall CJ, Larson JC, Ensrud KE, LaCroix AZ, **Guthrie KA**, Reed SD, Bhasin S, Diem SJ: Are serum estrogen concentrations associated with menopausal symptom bother among postmenopausal women? Baseline results from two MsFLASH clinical trials. *Maturitas* 2022; 162:23-30. PMC9494605
144. Ensrud KE, Larson JC, **Guthrie KA**, Crandall CJ, LaCroix AZ, Reed SD, Bhasin S, Mitchell CM, Joffe H: Changes in Serum Endogenous Estrogen Concentrations are Mediators of the Effect of Low-Dose Estradiol on Vasomotor Symptoms. *Menopause* 2022; 29(9):1014-1020. PMC9472527
145. Mitchell CM, Larson JC, Crandall CJ, Bhasin S, LaCroix AZ, Ensrud KE, **Guthrie KA**, Reed SD: Association of vaginal estradiol tablet with serum estrogens in postmenopausal women: a secondary analysis of a randomized clinical trial. *JAMA Netw Open* 2022; 5(11):e2241743. PMC9664265
146. Gholami S, Colby S, Horowitz DP, **Guthrie KA**, Ben-Josef E, El-Khoueiry AB, Blanke CD, Philip PA, Kachnic LA, Ahmad SA, Rocha FG: Adjuvant Chemoradiation in Patients with Lymph Node Positive Biliary Tract Cancers: Secondary Analysis of a Single Arm Clinical Trial (SWOG 0809). *Ann Surg Onc* 2023; 30(3):1354-1363. PMC10695673
147. Ueland K, Sanchez SC, Rillamas-Sun E, Shen H, Schattenkirk L, Garcia G, VanDoren M, Myers SA, Santiago-Torres M, Di C, Dey N, **Guthrie KA**, Yung R, Davidson NE, Greenlee H: A digital health intervention to improve nutrition and physical activity in breast cancer survivors:

Rationale and design of the Cook and Move for Your Life pilot randomized controlled trial. *Contemp Clin Trials* 2022; 123:106993.

148. Cheng E, Shi Q, Shields AF, Nixon AB, Nader R, Shergill AP, Ma C, **Guthrie KA**, Couture F, Kuebler P, Kumar P, Tan B, Krishnamurthi SS, Ng K, O'Reilly EM, Brown JC, Philip PA, Caan BJ, Cespedes Feliciano EM, Meyerhardt JA: Associations of inflammatory biomarkers with survival among patients with stage III colon cancer (CALGB/SWOG 80702 [Alliance]). *JAMA Onc* 2023; 9(3):404-413. PMC9880869
149. Disis MLN, **Guthrie KA**, Liu Y, Coveler AL, Higgins DM, Childs JS, Dang Y, Salazar LG: Safety and outcomes of a plasmid DNA vaccine encoding the ERBB2 intracellular domain in patients with advanced-stage ERBB2-positive breast cancer: A phase 1 nonrandomized clinical trial. *JAMA Onc* 2023; 9(1):71-78. PMC9634596
150. Wang QL, Ma C, Yuan C, Shi Q, Wolpin BM, Zhang Y, Fuchs CS, Meyers J, Zemla T, Cheng E, Kumthekar P, **Guthrie KA**, Couture F, Kuebler P, Kumar P, Tan B, Krishnamurthi, Goldberg RM, Venook A, Blanke CD, Shields AF, O'Reilly W, Meyerhardt JA, Ng K: Plasma 25-hydroxyvitamin D levels and survival in stage III colon cancer: Findings from CALGB/SWOG 80702 (Alliance). *Clin Cancer Res* 2023; 29(14):2621-2630. PMC10524689
151. Mitchell CM, Larson JC, Reed SD, **Guthrie KA**: The complexity of GSM: number, severity and frequency of vulvovaginal discomfort symptoms in women enrolled in a randomized trial evaluating treatment for GSM. *Menopause* 2023; 30(8):791-797. PMC10472975
152. Cohen SA, Veleber S, Siman J, **Guthrie KA**, McMillen K, Heit M, Wadhera S, Daniels J, Hansen K, Jacoby M, Taromina K, Chin S, Romeo M, Langley BO, Coveler AL, Hannan LM, King G, Purcell T, Safyan RA, Shankaran V, Zhen DB, Chiorean EG, Greenlee H. Use of acupuncture with acupressure in addition to standard-of-care cryotherapy to decrease chemotherapy-associated neuropathy in patients with gastrointestinal malignancies receiving oxaliplatin-based chemotherapy: Study protocol for a randomized, controlled pilot and feasibility study. *Contemp Clin Trials*. 2023; 131:107273. PMC10527487
153. Carpenter JS, Larson JC, Hunter MS, Lensen S, Chen CX, **Guthrie KA**: Correlations Among COMMA-recommended VMS Menopause Outcomes in MsFLASH Trials. *Menopause* 2023; 31(1):3-9. PMC10756428
154. Cloyd JM, Colby S, **Guthrie KA**, Lowy AM, Chiorean EG, Philip PA, Sohal D, Ahmad S: Failure to Undergo Resection Following Neoadjuvant Therapy for Resectable Pancreatic Cancer: A Secondary Analysis of SWOG S1505. *J Natl Compr Canc Netw*. 2024; 22(4):e237099.
155. Wattenberg MM, Colby S, Garrido-Laguna I, Xue Y, Chang R, Delman D, Lee J, Affolter K, Mulvihill SJ, Beg MS, Wang-Gillam A, Wade III JL, **Guthrie KA**, Chiorean EG, Ahmad SA, Lowy AM, Philip PA, Sohal DPS, Beatty GL: Intra-tumoral cell neighborhoods coordinate outcomes in pancreatic ductal adenocarcinoma. *Gastroenterology* 2024; 166(6):1114-1129. PMC11102852
156. Sohal DPS, Boutin RD, Lenchik L, Kim J, Beg MS, Wang-Gillam A, Wade JL, **Guthrie KA**, Chiorean EG, Ahmad SA, Lowy AM, Philip PA, Chang VT: Body composition measurements and clinical outcomes in patients with resectable pancreatic adenocarcinoma – analysis from SWOG S1505. *J Gastrointest Surg* 2024; 28(3):232-235.
157. Sun V, **Guthrie KA**, Crane TE, Arnold KB, Colby S, Freylersythe SG, Braun-Inglis C, Topacio R, Messick CA, Carmichael JC, Muskovitz AA, Nashawaty M, Bajaj M, Cohen SA, Flaherty DC, O'Rourke MA, Jones L, Krouse RS, Thomson CA: SWOG S1820: A Pilot Randomized Trial of the Altering Intake, Managing Bowel Symptoms Intervention in Survivors of Rectal Cancer (AIMS-RC). *Cancer* 2024; 130(13):2384-2394. PMC11162313
158. Byrne EH, Song H, Srinivasan S, Fredricks DN, Reed SD, **Guthrie KA**, Wu M, Mitchell CM: Association between vaginal microbiota and vaginal inflammatory immune markers in postmenopause. *Menopause* 2024; 31(7):575-581. PMC11213660
159. Sun V, Arnold KB, Thomson CA, Crane TE, **Guthrie KA**, Freylersythe S, Braun-Inglis C, Jones L, Carmichael J, Messick C, Flaherty D, Ambrale S, Cohen SA, Krouse RS: Baseline characteristics and recruitment for SWOG S1820: altering intake, managing bowel symptoms

in survivors of rectal cancer (AIMS-RC). *Support Care Cancer* 2024; 32(6):371. PMC11111552.

160. Greenlee H, Rillamas-Sun E, Yung RL, Cobos S, Huang Y, Donzella SM, Schattenkerk L, Ueland K, VanDoren M, Myers S, Garcia G, King T, Santiago-Torres M, Di C, Dey N, **Guthrie KA**, Davidson NE: Cook and Move for Your Life, an eHealth intervention for women with breast cancer. *NPJ Breast Cancer* 2024; 10(1): 62. PMC11272921
161. Sun V, **Guthrie KA**, Arnold KB, Antonoff M, Erhunmwunsee L, Borondy-Kitts A, Johnson J, Jones L, Ramirez M, Tong BC, Moremen JR, Yang CJ, Ng T, Kim SS, Brown LM, Blasberg JD, Lui NS, Kneuert PJ, Toloza EM, Kim JY, Raz DJ. Comparative effectiveness of perioperative physical activity in older adults with lung cancer and their family caregivers: design of a multicenter pragmatic randomized trial. *BMC Cancer* 2024; 24(1):976. PMC11312238
162. Jones SMW, **Guthrie KA**, Arnold K, Krouse RS: The Bowel Function Instrument for Rectal Cancer Survivors with Anastomosis and Ostomy. *J Psychosom Res* 2024; 187:111931.
163. Shroff R, King G, Colby S, Scott A, Borad MJ, Goff L, Matin K, Mahipal A, Kalyan A, Javle M, Aghajanian C, Tan B, Cheema P, Patel A, Iyer R, Kelley R, Thumar J, El-Khoueiry A, **Guthrie KA**, Chiorean E, Hochster H, Philip PA: A Phase III Randomized Trial of Gemcitabine, Cisplatin, and Nab-Paclitaxel versus Gemcitabine and Cisplatin in Newly Diagnosed, Advanced Biliary Tract Cancers (SWOG S1815). *J Clin Oncol* 2024 Dec 13 [Epub ahead of print].
164. Raghav K, **Guthrie KA**, Tan B, Denlinger CS, Fakih M, Overman MJ, Dasari NA, Corum LR, Hicks LG, Patel MS, Espaparaz BT, Kazmi SM, Alluri N, Colby S, Gholami S, Gold PJ, Chiorean EG, Kopetz S, Hochster HS, Philip PA: Trastuzumab Plus Pertuzumab Versus Cetuximab Plus Irinotecan in Patients with *RAS/BRAF* Wild-type, HER2-Positive, Metastatic Colorectal Cancer (SWOG S1613): A Randomized Phase 2 Trial. In press, *J Clin Oncol*.
165. Patel SH, Colby S, Sohal D, **Guthrie KA**, Kachnic LA, Chiorean EG, Lowy AM, Rocha FG, Philip PA, Ahmad SA: Chemotherapy dose density is prognostic for survival in patients with resectable pancreas cancer: a landmark analysis of SWOG 1505. In press, *Cancer*.

B. Other Refereed Scholarly Articles

N/A

C. Books and Book Chapters

1. Holmberg LA, **Guthrie KA**, Sandmaier BM: Clinical outcome of breast and ovarian cancer patients treated after high-dose chemotherapy and autologous stem cell rescue with Theratope (STn-KLH) cancer vaccine: Theratope (STn-KLH) cancer vaccine following autologous transplant. In: *Chemical Glycobiology*, Chen X., Halcomb RL, and Wang PG (eds.). Washington, DC: American Chemical Society, Chapter 9: 197-215, 2008.

D. Other Non-Refereed Published Scholarly Publications

1. Mitchell CM, Reed SD, **Guthrie KA**: Time to advocate for better science, and better treatments for women. *Menopause* 2018; 25(10):1065-1068.
2. Mitchell CM, Reed SD, **Guthrie KA**: Good clinical practice in diagnosis of vulvovaginal symptoms-Reply. *JAMA Intern Med* 2018; 178(8):1136-1137.
3. Mitchell CM, Reed SD, Diem S, Ensrud KE, LaCroix AZ, Newton KM, **Guthrie KA**: Response to the Personal Perspective commentary by Vanessa Lukas. *Menopause* 2020; 27(7):836-837.
4. Magaret AS, Jacob ST, Halloran ME, **Guthrie KA**, Magaret CA, Johnston C, Simon NR, Wald A: Multiple-arm, adaptively randomized trials are advantageous for comparing COVID-19 interventions. *Ann Intern Med* 2020; 173(7):576-577.

8. PATENTS AND OTHER INTELLECTUAL PROPERTY

N/A

9. FUNDING HISTORY *(list entire history)*

A. Funded Projects

Completed Projects

1. Title: Cancer Center Support Grant
PI: Corey L
Funding Agency: NIH/NCI, P30 CA 015704-39
Total Direct Costs: \$6,651,621
Role: Biostatistician
% Effort: 14
Dates: 01/01/03 - 12/31/14
2. Title: Menopausal Symptoms Initiative: Finding Lasting Answers for Sweats and Hot Flashes
PI: LaCroix A / Anderson G / Guthrie K
Funding Agency: NIH/NIA, U01AG 032699-05
Total Direct Costs: \$2,153,335
Role: PI
% Effort: 30
Dates: 09/15/08 - 08/31/15
3. Title: Fetal Microchimerism in the Human Brain
PI: Nelson JL
Funding Agency: NIH/NINDS, R21 NS 71418-02
Total Direct Costs: \$162,040
Role: Biostatistician
% Effort: 4
Dates: 02/01/12 - 01/31/14
4. Title: Phase I-II Study of HER2 Vaccination with Ampligen as Adjuvant in HER2+ Breast Cancer
PI: Salazar L
Funding Agency: UW CRA / Hemispherx
Total Direct Costs: \$7,151
Role: Subaward PI
% Effort: 5
Dates: 05/01/12 - 04/30/13
5. Title: Effects of Escitalopram on Markers of Bone Turnover
PI: Diem S
Funding Agency: NIH/NIA
Total Direct Costs: \$15,238
Role: Subaward PI
% Effort: 2
Dates: 07/01/12 - 6/30/13
6. Title: MsFLASH: Living a Healthy Menopause
PI: Guthrie K / LaCroix A / Reed S
Funding Agency: NIH/NIA, 1R01AG048209-01
Total Direct Costs: \$7,000,000
Role: PI
% Effort: 20
Dates: 04/01/2015 – 03/31/2022
7. Title: Altering Intake and Managing Symptoms in Rectal Cancer Survivors: A Multimodal Diet Modification Intervention for Bowel Dysfunction
PI: Sun V / Thomson C
Funding Agency: NIH/NCI, R21CA236057-01

Total Direct Costs: \$50,463
Role: Co-I
% Effort: 2
Dates: 01/01/2019 – 01/31/2022

Current Projects

1. Title: SWOG Statistics and Data Management Center
PI: LeBlanc M
Funding Agency: NIH/NCI, U10CA180819
Total Direct Costs: \$88,183,105
Role: Co-I
% Effort: 40
Dates: 4/17/2014 – 02/28/2025
2. Title: SWOG NCORP Research Base: Cancer Control and Prevention Research
PI: Tangen C
Funding Agency: OHSU/NIH/NCI, 5UG1CA189974
Total Direct Costs: \$14,500,828
Role: Co-I
% Effort: 25
Dates: 8/1/2014 – 07/31/2025
3. Title: Comparative Effectiveness Trial of Perioperative Physical Activity in Older Adults Undergoing Lung Cancer Surgery and Their Family Caregivers
PI: Raz D
Funding Agency: Patient-Centered Outcomes Research Institute
Total Direct Costs: \$351,302
Role: Subaward PI
% Effort: 10
Dates: 07/01/2023 – 06/30/2028
4. Title: Statistics and Data Management Center for the NCI Cancer Screening Research Network
PI: Kooperberg C / Feng Z / Guthrie K
Funding Agency: NIH/NCI, UG1 CA287013
Total Direct Costs: \$7,050,306
Role: PI
% Effort: 15
Dates: 01/01/2024 – 12/31/2027

B. Pending Applications

N/A

10. PUBLIC HEALTH PRACTICE ACTIVITIES

N/A

11. CONFERENCES AND SYMPOSIUMS (* indicates invited)

- North American Menopause Society (NAMS), “Pooled Analysis of Six Pharmacologic and Nonpharmacologic Interventions for Vasomotor Symptoms”, October 2014*
- NAMS, Moderator, Plenary Symposium, “Improving Evidence for Millions of Women: The MsFLASH Vaginal Health Trial,” October 2017*
- NAMS, “Mass mailings vs. Facebook ads for recruitment of midlife women with bothersome vaginal symptoms,” October 2017*
- Society for Clinical Trials, “Comparison of mass mailings to Facebook advertising for recruitment of midlife women with bothersome vaginal symptoms,” May 2018
- NAMS, Moderator, Plenary Symposium, “Updates on the MsFLASH Vaginal Health Trial,” October 2018*

- NAMS, Updates from the MsFLASH Clinical Trials Network: Introduction and Background," September 2019
- NAMS, "A decade of MsFLASH findings – Time to get the word out: Study designs and methodology," October 2022
- NAMS, "Changes in serum endogenous estrogen concentrations are mediators of the effect of low-dose estradiol on vasomotor symptoms," October 2022
- SWOG Champions of Equity and Engagement in Research program orientation, "Trials, statistics and accrual," May 2024*
- Steering Committee, NCI Cancer Screening Research Network, "Statistics and Data Management Center Data Collection Methods," May 2024*
- Society for Clinical Trials, "Design Considerations for Multi-Cancer Detection Assay Clinical Trials: The NCI Cancer Screening Research Network", May 2025*

12. UNIVERSITY SERVICE

N/A

13. PROFESSIONALLY-RELATED COMMUNITY SERVICE

N/A

14. DIVERSITY, EQUITY AND INCLUSION ACTIVITIES

N/A

15. TEACHING HISTORY

A. Formal Courses, Including Distance Learning

N/A

B. Other Teaching

N/A

C. Independent Study

N/A

16. ADVISING AND FORMAL MENTORING

A. PhD Dissertations, Chair

N/A

B. Master Theses, Chair

N/A

C. Mentored Scientists and Postdocs

N/A

D. MS and PhD Committees (Non-Chair Role)

N/A

E. Other Mentoring

N/A

F. Academic Advising

N/A