

Daniel A. Mulrooney, MD, MS
St. Jude Children's Research Hospital
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1. Current Position at St. Jude

Deputy Director After Completion of Therapy Clinic St. Jude Children's Research Hospital Memphis, Tennessee	Jan 2012 – Present
Associate Member Department of Oncology Division of Cancer Survivorship St. Jude Children's Research Hospital Memphis, Tennessee	Nov 2017 – Present

2. Education and Training

B.A. in Biology University of St. Thomas St. Paul, Minnesota	1987
M.D. Stritch School of Medicine Loyola University Chicago Chicago, Illinois	Jun 1997
Residency Internal Medicine and Pediatrics School of Medicine University of Minnesota Minneapolis, Minnesota	Jun 1997 – Aug 2001
Fellowship Pediatric Hematology/Oncology/Blood and Marrow Transplantation School of Medicine University of Minnesota Minneapolis, Minnesota	Sep 2001 – Sep 2004
M.S. in Clinical Research School of Public Health University of Minnesota Minneapolis, Minnesota	2005

3. Professional Career

Assistant Professor Department of Pediatrics, Division of Hematology and Oncology School of Medicine University of Minnesota Minneapolis, Minnesota	2004 – 2012
Member Clinical Research Master of Science Faculty Graduate School University of Minnesota Minneapolis, Minnesota	2011 – 2012
Assistant Member Department of Oncology Division of Cancer Survivorship St. Jude Children's Research Hospital Memphis, Tennessee	2012 – 2017
Deputy Director After Completion of Therapy (ACT) Clinic St. Jude Children's Research Hospital Memphis, Tennessee	2012 – Present
Director Survivorship/ACT Clinic Fellows Rotation Department of Oncology and Epidemiology and Cancer Control St. Jude Children's Research Hospital Memphis, Tennessee	2012 – Present
Assistant Professor (Adjunct) Departments of Pediatrics and Internal Medicine College of Medicine University of Tennessee Health Science Center Memphis, Tennessee	2012 – 2019
Program Director, Survivorship Fellowship Department of Oncology St. Jude Children's Research Hospital Memphis, Tennessee	2014 – Present
Associate Member Department of Oncology Division of Cancer Survivorship St. Jude Children's Research Hospital Memphis, Tennessee	2017 – Present
Associate Professor (Adjunct) Departments of Pediatrics and Internal Medicine	2019 – Present

College of Medicine
University of Tennessee Health Science Center
Memphis, Tennessee

4. Certifications and Licensure

Diplomat # 205548 American Board of Internal Medicine (ABIM) Philadelphia, Pennsylvania	2001 – 2010
Physician and Surgeon License #47056 Minnesota Board of Medical Practice St. Paul, Minnesota	2004 – Present
DEA Registration U.S. Department of Justice Springfield, Virginia	2004 – Present
Certificate # 89838 General Pediatrics American Board of Pediatrics Chapel Hill, North Carolina	2007 – Present
Certificate # 2193 American Board of Pediatrics Pediatric Hematology-Oncology Chapel Hill, North Carolina	2009 – Present
License # 48440 Medical Doctor, Pediatric Hematology Oncology State of Tennessee Department of Health, Board of Medical Examiners Nashville, Tennessee	2012 – Present

5. Professional Memberships

American Society of Hematology (ASH) Washington, District of Columbia	2002 – Present
American Society of Clinical Oncology (ASCO) Chicago, Illinois	2002 – Present
American Society of Pediatric Hematology and Oncology (ASPHO) Chicago, Illinois	2004 – Present
Children's Oncology Group (COG)	2004 – Present
Fellow American College of Physicians	2004 – Present

Philadelphia, Pennsylvania

Society for Pediatric Research (SPR)
The Woodlands, Texas

2008 – Present

6. Editorial Board Appointments

Specialty Editor
Cancer.Net Editorial Board
American Society of Clinical Oncology (ASCO)
Chicago, Illinois

2016 – 2018

Associate Editor
Cancer.Net Editorial Board
American Society of Clinical Oncology (ASCO)
Chicago, Illinois

2016 – 2018

Journal of Clinical Oncology (J Clin Oncol)
Alexandria, Virginia

2018 – Present

Specialty Chief Editor
Adolescent and Young Adult Oncology
Frontiers in Adolescent Medicine

2022 - Present

7. Grant Review / Study Activities

Cochrane Childhood Cancer Group
Amsterdam, The Netherlands

2012

Dutch Cancer Society (KWF Kankerbestrijding)
Amsterdam, The Netherlands

2013

Dutch Heart Foundation
The Hague, The Netherlands

2015

Ad Hoc Reviewer
Review Committee, 2015/2016 – Subcommittee J – Career Development
National Institutes of Health
Bethesda, MD

2015

European Commission
Brussels and Luxembourg

2016

UK Medical Research Council (MRC) - UKRI
Swindon, United Kingdom

2016

Children's Cancer Research Fund
Minneapolis, Minnesota

2017 – 2020

Congressionally Directed Medical Research Program U.S. Department of Defense Fort Detrick, Maryland	2017 – 2021
Cancer Research UK – Accelerator Award United Kingdom	2018
Review Panel Chair Congressionally Directed Medical Research Program U.S. Department of Defense Fort Detrick, Maryland	2020
Dutch Cancer Society (KWF Kanderbestrijding) Amsterdam, The Netherlands	2020
Dutch Cancer Society (KWF Kanderbestrijding) Amsterdam, The Netherlands	2021
Pre-application Cardiovascular Health Review Panel Congressionally Directed Medical Research Program U.S. Department of Defense Fort Detrick, Maryland	2021
Agency for Healthcare Research and Quality (AHRQ) Evidence-based Practice Centers Rockville, Maryland	2021
Northern Ireland Chest Heart & Stroke Belfast, United Kingdom	2021
Netherlands Organization for Health Scientific Research Vici Programme and Development The Hague, The Netherlands	2021

8. Honors and Awards

8th Annual Fellows Travel Award 15th Annual Mayo Clinic Hematology/Oncology Reviews	2005
Clinical Research Scholar Award University of Minnesota Career Advancement Program Minneapolis, Minnesota	2006
Clinical Research Scholar Award University of Minnesota Career Advancement Program Minneapolis, Minnesota	2007
Clinical Research Scholar Award University of Minnesota Career Advancement Program Minneapolis, Minnesota	2008

Abstract Award <i>Best of ASCO Program</i> ASCO Annual Meeting 2008	2008
Best Doctors Award	2009
Clinical Research Scholar Award University of Minnesota Career Advancement Program Minneapolis, Minnesota	2009
Best Doctors Award	2010
Clinical Research Scholar Award University of Minnesota Career Advancement Program Minneapolis, Minnesota	2010
Best Doctors Award	2011
Best Doctors Award	2012
Best Doctors Award	2013
Best Doctors Award	2014
Best Doctors Award	2015
Best Doctors Award	2016
Alumni of the Year – Excellence in Service to Patients Loyola University Chicago Stritch School of Medicine Chicago, Illinois	2017
Best Doctors Award	2017
Best Doctors Award	2018
Damen Award Loyola University Chicago Stritch School of Medicine Chicago, Illinois	2018
Best Doctors Award	2019
Team Science Award American Association for Cancer Research Philadelphia, Pennsylvania	2019
Best Doctors Award	2020

Best Doctors Award 2021

9. Institutional and Committee Assignments

Patient Care Council (PCC) 2013 – Present
St. Jude Children’s Research Hospital
Memphis, Tennessee

Annual Program Evaluation Committee 2015 – Present
St. Jude Children’s Research Hospital
Memphis, Tennessee

Fellowship Advisory Council 2015 – Present
St. Jude Children’s Research Hospital
Memphis, Tennessee

Clinical Competency Committee 2015 – Present
St. Jude Children’s Research Hospital
Memphis, Tennessee

Faculty Task Force on Women, Diversity, and Inclusion 2018 – 2019
St. Jude Children’s Research Hospital
Memphis, Tennessee

Grand Rounds Curriculum Committee 2019 – Present
St. Jude Children’s Research Hospital
Memphis, Tennessee

Chair 2019 – Present
Patient Education Committee
St. Jude Children’s Research Hospital
Memphis, Tennessee

St. Jude TV Change Control Committee 2020 – Present
St. Jude Children’s Research Hospital
Memphis, Tennessee

Faculty 2021 – Present
St. Jude-VIVA Foundation for Children With Cancer
Memphis, Tennessee

Medical Executive Committee 2022 – Present
St. Jude Children’s Research Hospital
Memphis, Tennessee

Core Faculty 2022 - Present
Fellowship Leadership Program
St. Jude Children’s Research Hospital
Memphis, Tennessee

Clinical Competency Committee (CCC)/Advisory Council Pediatric Hematology Oncology Fellowship St. Jude Children's Research Hospital Memphis, Tennessee	2022 – Present
Core Faculty Pediatric Hematology Oncology Fellowship St. Jude Children's Research Hospital Memphis, Tennessee	2022 – Present
Career Development Advisor Pediatric Hematology Oncology Fellowship St. Jude Children's Research Hospital Memphis, Tennessee	2022 – Present

10. Professional Administrative Services

Ad Hoc Reviewer Pediatric Blood and Cancer (Pediatr Blood Cancer)	2005 – Present
Co-Chair Endocrine/Reproductive Task Force Long-Term Follow-Up Guidelines for Survivors of Childhood, Adolescent, and Young Adult Cancers Children's Oncology Group (COG)	2005 – 2013
Event Coordinator and Moderator Beyond-the-Cure Educational Conference for Childhood Cancer Survivors University of Minnesota Minneapolis, Minnesota	Apr 2006
Ad Hoc Reviewer Cancer	2007
Event Coordinator and Moderator Survivorship Series Educational Conference University of Minnesota Minneapolis, Minnesota	Apr 2007
Ad Hoc Reviewer Annals of Oncology (Ann Oncol)	2008
Event Coordinator and Moderator Beyond-the-Cure Educational Conference for Childhood Cancer Survivors University of Minnesota Minneapolis, Minnesota	Apr 2008

Member Long-Term Follow-Up Guidelines Core Working Group Children's Oncology Group (COG)	2008 – Present
Ad Hoc Reviewer Journal of Pediatric Hematology/Oncology (Pediatr Hematol Oncol J)	2008 – Present
Ad Hoc Reviewer Hormone Research (Horm Res)	2009
Event Coordinator and Moderator Survivorship Series Educational Conference University of Minnesota Minneapolis, Minnesota	Apr 2009
Member Masonic Cancer Center Advisory Council to the Minnesota Cancer Alliance St. Paul, Minnesota	2009 – 2011
Board Member Karen Wyckoff Rein in Sarcoma Foundation, "Rein in Sarcoma" Fridley, Minnesota	2009 – 2011
Ad Hoc Reviewer JAMA	2010
Ad Hoc Reviewer Cancer Epidemiology, Biomarkers and Prevention (Cancer Epidemiol Biomarkers Prev)	2010 – Present
Event Coordinator and Moderator Survivorship Series Educational Conference University of Minnesota Minneapolis, Minnesota	Mar 2010
Ad Hoc Reviewer Haematologica	2011
Ad Hoc Reviewer British Journal of Cancer (Br J Cancer)	2011
Event Coordinator and Moderator Survivorship Series Educational Conference University of Minnesota Minneapolis, Minnesota	Apr 2011
Chair Cardiopulmonary Renal Working Group St. Jude Lifetime Cohort Study (SJLIFE) St. Jude Children's Research Hospital	2012 – 2019

Memphis, Tennessee

Ad Hoc Reviewer 2012 – Present
Journal of Clinical Oncology (J Clin Oncol)

Chair 2013 – Present
Urinary Track Task Force
Long-Term Follow-Up Guidelines for Survivors of Childhood, Adolescent,
and Young Adult Cancers
Children’s Oncology Group (COG)

Ad Hoc Reviewer 2016
PLoS One

Ad Hoc Reviewer 2017
Biology of Blood and Marrow Transplantation (Biol Blood Marrow
Transplant)

Ad Hoc Reviewer 2017
Bone Marrow Transplantation (Bone Marrow Transplant)

External Appraiser Committee 2018
Institute of Medical Science
University of Toronto
Toronto, Ontario, Canada

Ad Hoc Reviewer 2018
American Society of Clinical Oncology Educational Book (Am Soc Clin
Oncol Educ Book)

Ad Hoc Reviewer 2019
Journal of the American Heart Association (J Am Heart Assoc)

Ad Hoc Reviewer 2019
Hypertension

External Appraiser 2019
School of Human Sciences
The University of Western Australia
Perth, Western Australia, Australia

Member, External Advisory Board 2019 – Present
Center for Studies of Host Response to Cancer Therapy (COBRE EAC)
University of Arkansas for Medical Sciences (UAMS)
Little Rock, Arkansas

Ad Hoc Reviewer 2022
Nature Medicine

Ad Hoc Reviewer 2022
Nature Communications

Transition Panel Member 2022
Physician Specific: Changes, Specialists, Non-active vs. active disease
Patient & Family Conference on Histiocytic Disorders Meeting
Memphis, TN

11. Formal Education/Teaching Activities

Lecturer

Osteosarcoma 2004 – 2011
Heme/Onc/BMT Fellow Lecture Series
Role: Lecturer
University of Minnesota
Minneapolis, Minnesota

Ewing's Sarcoma Family of Tumors 2004 – 2011
Heme/Onc/BMT Fellow Lecture Series
Role: Lecturer
University of Minnesota
Minneapolis, Minnesota

Hodgkin/Non-Hodgkin Lymphomas 2004 – 2011
Heme/Onc/BMT Fellow Lecture Series
Role: Lecturer
University of Minnesota
Minneapolis, Minnesota

Late-Effects of Childhood Cancer 2004 – 2011
Heme/Onc/BMT Fellow Lecture Series
Role: Lecturer
University of Minnesota
Minneapolis, Minnesota

Cardiac Outcomes in Survivors of Childhood Cancer 2021 – Present
Introduction to the After Completion of Therapy (ACT) and
St. Jude Lifetime Cohort Clinics
ACT Clinic Fellow Lecture Series
Role: Lecturer
St. Jude Children's Research Hospital
Memphis, Tennessee

Objectives and Outcomes for Clinical Research 2021 – Present
Role: Lecturer
St. Jude Graduate School of Biomedical Sciences
Memphis, Tennessee

Graduate and Post-Doctoral Students, Medical Students, Fellows

<p>Kimberly N. Canfield, MD, MPH Medical Student Role: Clinical Program Advisor University of Minnesota School of Medicine Northwestern University Chicago, Illinois Current position: Ann & Robert H Lurie Children's Hospital of Chicago</p>	<p>2007 – 2008</p>
<p>Andrew Dietz, MD, MS Fellowship Role: Faculty Advisor Pediatric Hematology/Oncology Department of Pediatrics University of Minnesota School of Medicine Minneapolis, Minnesota Current position: Associate Medical Director, Bluebird Bio, Inc.</p>	<p>2008 – 2011</p>
<p>Jessie L. Roske, MD Medical Student Role: Clinical Program Advisor University of Minnesota School of Medicine Northwestern University Chicago, Illinois Current position: Hospitalist, CentraCare - River Campus Clinic</p>	<p>2009 – 2011</p>
<p>Jake Theis, MD Medical Student Role: Clinical Program Advisor University of Minnesota School of Medicine Northwestern University Chicago, Illinois Current position: Radiologist, Minneapolis Veterans Affairs Health Care System</p>	<p>2009 – 2011</p>
<p>Matthew Ehrhardt, MD, MS Fellowship, Division of Cancer Survivorship Role: Faculty Advisor Department of Oncology St. Jude Children's Research Hospital Memphis, Tennessee Current position: Assistant Member, Department of Oncology, St. Jude Children's Research Hospital</p>	<p>2014 – 2015</p>
<p>Malek Baassiri, MD Fellowship, Pediatric Hematology/Oncology Role: Faculty Advisor Department of Oncology St. Jude Children's Research Hospital Memphis, Tennessee Current position: Pediatric Oncologist, Dr. Sulaiman Al Habib Hospital, Al Khobar, Kingdom of Saudi Arabia</p>	<p>2015 – 2016</p>

<p>Nicholas Phillips, MD, PhD Fellowship, Division of Cancer Survivorship Role: Faculty Advisor Department of Oncology St. Jude Children's Research Hospital Memphis, Tennessee Current position: Research Associate, Department of Epidemiology and Cancer Control, St. Jude Children's Research Hospital</p>	<p>2016 – 2017</p>
<p>Alia Zaidi, MD Fellowship, Division of Cancer Survivorship Role: Faculty Advisor Department of Oncology St. Jude Children's Research Hospital Memphis, Tennessee Current position: Director of Epidemiologic Studies, Department of Epidemiology and Cancer Control, St. Jude Children's Research Hospital</p>	<p>2018 – 2019</p>
<p>Neel Bhatt, MBBS, MPH Fellowship, Pediatric Hematology/Oncology Role: Faculty Advisor Department of Oncology St. Jude Children's Research Hospital Memphis, Tennessee Current position: Assistant Member, Fred Hutchinson Cancer Research Center, Seattle, Washington</p>	<p>2018 – 2019</p>
<p>Kayla Foster, MD Fellowship, Pediatric Hematology/Oncology Role: Faculty Advisor Department of Oncology St. Jude Children's Research Hospital Memphis, Tennessee Current position: Assistant Professor, Department of Pediatrics, Baylor College of Medicine</p>	<p>2018 – 2021</p>
<p>Stephanie Dixon, MD Fellowship, Division of Cancer Survivorship Role: Faculty Advisor Department of Oncology St. Jude Children's Research Hospital Memphis, Tennessee Current position: Instructor, Physician Scientist Instructorship, Department of Oncology, St. Jude Children's Research Hospital</p>	<p>2019 – 2020</p>
<p>Jake Friske, PhD PhD Candidate Role: Mentor St. Jude Graduate School of Biomedical Sciences Memphis, Tennessee</p>	<p>2021 - 2022</p>

Current position: Graduate student, St. Jude Graduate School of Biomedical Sciences

12. Grant Awards

A. Active Grants

U01 CA195547, NCI HUDSON/NESS (PI) 07/09/15 – 06/30/25
The St. Jude Lifetime Cohort Study (SJLIFE)

Expand eligibility to make the SJLIFE cohort a medically assessed cohort of 5-year survivors, undertake uniform medical assessments in all cohort participants, develop innovative methodologies to maintain the SJLIFE cohort, establish a resource for future innovative intervention-based research.

Status of support: Active

Role: Co-Investigator

Total award amount: \$6,362,516

Percentage of effort: 10% calendar year

R01 CA215405, NCI KRULL/MANDRELL 08/01/17 – 07/31/23
(PI)

Sleep Apnea in Survivors of Childhood Cancer Treated with Thoracic Radiation (APNEA)

The aims of this study are to compare the frequency of obstructive sleep apnea in adult survivors of childhood cancer treated with thoracic radiation compared to age, gender and race matched community controls; to identify specific therapeutic factors associated with obstructive sleep apnea in adult survivors of childhood cancer treated with thoracic radiation; and to examine cardiac, pulmonary, central nervous system, and neuromuscular morbidity in adult survivors with versus without obstructive sleep apnea.

Status of support: Active

Role: Co-Investigator

Total award amount: \$3,464,380

Percentage of effort: 5% calendar year

R01 CA239689, NCI BRINKMAN/KRULL 09/01/19 – 02/28/25
(PI)

eHealth Intervention for Late Effects of Childhood Cancer (SLEEPWELL)

To examine the efficacy of an eHealth intervention on symptoms of insomnia, neurocognitive impairment, emotional distress, and cardiovascular health in adult survivors of childhood cancer. To explore the longitudinal impact of changes in insomnia symptoms, mediated by neurocognitive function, emotional distress, and cardiovascular risk, on quality of life outcomes.

Status of support: Active

Role: Co-Investigator

Total award amount: \$3,759,151

Percentage of effort: 5% calendar year

U01 CA246570-01A1, NCI NESS/JEFFERIES 09/16/20 – 08/31/23
(PI)

Telehealth based exercise intervention to improve functional capacity in survivors of childhood cancer with significantly limited exercise tolerance (CARTOX III)
To determine the efficacy of an individually tailored, home-delivered aerobic, and strengthening intervention to improve exercise capacity in survivors of childhood cancer with exercise intolerance. To determine the effects of an individually tailored, home-delivered aerobic, and strengthening intervention on measures of cardiac, pulmonary, musculoskeletal, and neurosensory function in survivors of childhood cancer with exercise intolerance.
Status of support: Active
Role: Co-Investigator
Total award amount: \$2,101,865
Percentage of effort: 10% calendar year

R21 CA261833, NCI IM/YUAN (PI) 09/01/21 – 08/31/23
Treatment-specific genetic risk scores for late effects prediction in childhood, adolescent, and young adult cancer survivors
The aims of this study are to create a comprehensive catalog of treatment-specific genetic effects and construct novel polygenic risk scores for select health conditions among childhood, adolescent, and young adult cancer survivors.
Status of support: Active
Role: Co-Investigator
Total award amount: \$279,068.00
Percentage of effort: 3% calendar year

R01 CA261750-01A1, NIH HOWELL/ 07/01/22 – 04/31/26
MULROONEY/YASUI
(PI)
Personalized Risk Prediction to Reduce Cardiovascular Disease in Childhood Cancer Survivors
Develop and independently validate prediction models for cardiomyopathy, coronary artery disease, and heart valve disease, accounting for spatially heterogeneous RT dose distributions across the heart, i.e., consider multiple potentially colinear RT dose and dose-volume metrics for whole heart as well as for individual substructures as predictors.
Status of support: Active
Role: Site Principal Investigator
Total award amount: \$1,305,830
Percentage of effort: 20% calendar year

B. Pending Grants

W81XWH-22-PRCRP-IA, Idea Award, MULROONEY (PI) 04/01/23 – 03/31/25
Department of Defense, United States
Army
Left Ventricular Non-compaction in Survivors of Childhood Cancer (LVNC)
Estimate the prevalence of and evaluate treatment and demographic related risk factors associated with LVNC among survivors of childhood cancer. Examine associations between LVNC and cardiac morbidity (cardiomyopathy, coronary artery disease, rhythm abnormalities) among survivors of childhood cancer.

Status of support: Pending
Role: Principal Investigator
Total award amount: \$616,849
Percentage of effort: 20% calendar year

R01, NCI WANG (PI) 07/01/23 – 06/30/28
Genetic and epigenetic approach towards understanding treatment-induced cardiometabolic toxicity among long-term survivors of childhood cancer (CARDIOMETABOLIC)
Evaluate genetic factors (specifically, pathogenic and likely pathogenic germline variants in genes of DNA repair, immune response, and drug metabolism) for risk of cardiometabolic conditions. Evaluate epigenetic factors (specifically, DNA methylation) as mediators for the association between cancer treatment exposures or health behaviors and risk of cardiometabolic conditions. Evaluate aging biomarkers (clonal hematopoiesis, leukocyte telomere length, and epigenetic age) as independent predictors of cardiometabolic risk, while adjusting for genetic and epigenetic factors.
Status of support: Pending
Role: Co-Investigator
Total award amount: \$2,275,000
Percentage of effort: 5% calendar year

C. Completed Grants

U25 CA055727, NCI MULROONEY (PI) 12/01/05 – 11/30/11
Childhood Cancer Survivor Study (CCSS)
The major goal of this study is to test a series of specific hypotheses related to treatment-specific sequelae in survivors of childhood cancer.
Status of support: Complete
Role: Subcontract Principal Investigator
Total award amount: \$1,160,378
Percentage of effort: .60 calendar year

K12 RR023247, NIH/NICHD LUEPKER (PI) 07/01/06 – 07/31/10
Scholar Development Clinical Research (RMI)
Determine the levels of known markers of cardiovascular inflammation in survivors of childhood and adolescent cancer; determine the number of activated circulating endothelial cells (CEC) in this population; and better understand the effect cancer therapies have on endothelial cells and the vascular reparative process.
Status of support: Complete
Role: Research Scholar
Total award amount: \$1,541,215
Percentage of effort: .90 calendar year

R01 CA112530, NIH/NCI BAKER (PI) 08/15/06 – 07/31/09
Metabolic Syndrome Following Transplant for Leukemia
To determine the prevalence of metabolic syndrome in leukemia survivors who were treated with stem cell transplant and compare them to healthy controls similar in age and gender.
Status of support: Complete

Role: Co-Investigator
Total award amount: \$407,807
Percentage of effort: .60 calendar year

KAREN WYCKOFF REIN IN MULROONEY (PI) 02/01/07 – 07/31/09
SARCOMA FUND, UNIVERSITY OF
MINNESOTA

Premature Atherosclerotic Vascular Disease in Survivors of Childhood and Adolescent Osteosarcoma

Assess vascular injury in survivors of osteosarcoma. The central hypothesis is that survivors of childhood and adolescent osteosarcoma will have elevated markers of endothelial injury and evidence of premature atherosclerosis compared to population norms.

Status of support: Complete
Role: Principal Investigator
Total award amount: \$30,000
Percentage of effort: 1.20 calendar year

NIH MULROONEY (PI) 07/01/09 – 12/31/12
Pediatric Research Loan Repayment Program

Status of support: Complete
Role: Principal Investigator

MINNESOTA MEDICAL FOUNDATION MULROONEY (PI) 11/01/09 – 10/31/11

Use of Strain and Strain Rate Imaging to Detect Anthracycline Induced Cardiotoxicity
The objective of this study was to evaluate the use of strain (ϵ) and strain rate (SR) echocardiography imaging for the detection of early cardiac toxicity among cancer survivors previously exposed to anthracycline containing therapies.

Status of support: Complete
Role: Principal Investigator
Total award amount: \$27,940
Percentage of effort: .60 calendar year

UNIVERSITY OF MINNESOTA GRANT-IN-AID MULROONEY (PI) 01/01/10 – 12/31/10

Developing a Research Consortium – Advancing Cancer Outcomes Research
To conduct a one-day research symposium among investigators from four academic cancer centers to develop a collaborative research consortium designed to promote and advance interventional clinical trials in survivors of childhood and adolescent cancer.

Status of support: Complete
Role: Principal Investigator
Total award amount: \$8,843

ST. BALDRICK'S FOUNDATION INFRASTRUCTURE MULROONEY (PI) 12/01/10 – 11/30/11

Developing a Research Consortium – Advancing Cancer Outcomes Research
Initiate and conduct a pilot study across the newly formed research consortium cancer outcomes research consortium.

Status of support: Complete

Role: Principal Investigator
Total award amount: \$20,815
Percentage of effort: .60 calendar year

NATIONAL CHILDREN'S CANCER SOCIETY MULROONEY (PI) 02/01/11 – 12/31/11

Survivorship Series Conference
Conduct an annual educational conference for cancer survivors and their families.
Status of support: Complete
Role: Principal Investigator
Total award amount: \$15,000

HYUNDAI HOPE ON WHEELS, MULROONEY (PI) 12/01/11 – 12/01/13
HYUNDAI MOTOR AMERICA

Development of Methods to Measure Cerebral Vascular Function in Survivors of Childhood Acute Lymphoblastic Leukemia
Pilot study using MRI technology to investigate cerebral vascular function among survivors of ALL treated with CNS directed radiation therapy.
Status of support: Complete
Role: Principal Investigator
Percentage of effort: 1.20 calendar year

R01 CA174794-05, NIH-NCI/NICHD KRULL (PI) 04/01/13 – 03/31/19

Brain Integrity in Survivors of Childhood Cancer Treated with Thoracic Radiation
To evaluate brain integrity in adult survivors of childhood cancer treated with thoracic radiation therapy.
Status of support: Complete
Role: Co-Investigator
Total award amount: \$636,390
Percentage of effort: .60 calendar year

AMERICAN INSTITUTE FOR CANCER RESEARCH NESS (PI) 01/01/15 – 12/31/17

Impact of Resistance Training-Protein Supplementation on Lean Muscle Mass in Childhood Cancer Survivors
To compare changes in lean muscle mass, muscle strength, walking speed, self-reported exhaustion and physical activity levels between childhood cancer survivors randomized to a resistance training program with protein supplementation or a resistance training program with placebo supplementation. To compare changes in parameters of metabolic health between childhood cancer survivors randomized to a resistance training program with protein supplementation or a resistance training program with placebo supplementation.
Status of support: Complete
Role: Co-investigator
Total award amount: \$247,017.00
Percentage of effort: .60 calendar year

13. Clinical Trails Involvement

DELPHI-OI Delphi Survey to Develop Outcome Indicators in Pediatric Oncology Role: Co-Investigator	2021 – Present
ALTE15N2 Late Effects After High-Risk Neuroblastoma, Children’s Oncology Group Role: Institutional PI	03/17 - 2021
VAASC Vascular Assessment in Adult Survivors of Childhood Cancer Role: PI	11/19/13 – Present
ESFT13 Therapeutic trial for patients with Ewing sarcoma family of tumors and desmoplastic small round cell tumors. IRB Approved 7/23/13. Role: Co-Investigator	11/13/13 – 11/10/15
cHOD17 Pediatric Classical Hodgkin Lymphoma Consortium Study. Under development Role: Co-Investigator	10/26/18 – ongoing
St. Jude Lifetime (SJLIFE) Cohort Establishment of a Lifetime Cohort of Adults Surviving Childhood Cancer Role: Co-Investigator	04/25/07 – present
REPS Impact of Resistance Training-Protein Supplementation on Lean Muscle Mass in Childhood Cancer Survivors Role: Co-Investigator	07/06/15 – 6/04/22
FRAILTY A Longitudinal Assessment of Frailty in Young Adult Survivors of Childhood Cancer Role: Co-Investigator	10/01/14 – 09/23/19
WHOOPHPP Feasibility and Agreement of Remote Evaluation of Resting Heart Rate and Heart Rate Variability in Survivors of Hodgkin Lymphoma Treated with Chest Radiation Role: Co-Investigator	01/11/19 – 01/11/20
BRIGHT Brain Integrity in Survivors of Hodgkin Lymphoma Treated with Thoracic Radiation Role: Co-Investigator	03/11/13 – 01/18/20
APNEA	11/27/17 – Present

Sleep Apnea in Hodgkin Lymphoma Survivors Treated with
Radiation to the Chest
Role: Co-Investigator

HYPERION 01/18/19 – Present
Hypertension Intervention to Reduce Osteonecrosis
Role: Co-Investigator

CARTOX III 2020 – 2023
Telehealth Based Exercise Intervention to Improve Functional
Capacity in Survivors of Childhood Cancer with Significantly Limited
Exercise Tolerance
Role: Co-Investigator

PREDM 04/10/20 – Present
An Open Label Pilot Intervention Trial to Prevent Diabetes in
Prediabetic Adult Survivors of Childhood Cancer
Role: Co-Investigator

SenSurv 05/12/20 – ongoing
An Open Label Intervention Trial for Frailty and Senescence
Role: Co-Investigator

14. Publication Record

A. Peer Reviewed Publications

i. Original Research Articles

1. Mulrooney DA, Mertens AC, Neglia JP, Green DM, Zeltzer L, Robison LL. Fatigue and sleep in survivors of childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS). *J Clin Oncol*. Jul 15;(14_suppl):8129, 2004.
2. Nunez SB, **Mulrooney DA**, Laverdiere C, Hudson MM. Risk-based health monitoring of childhood cancer survivors: a report from the Children's Oncology Group. *Curr Oncol Rep*. 9(6):440-52, 2007. PMID: 17991351
3. Ness KK, Gurney JG, Zeltzer LK, Leisenring W, **Mulrooney DA**, Nathan PC, Robison LL, Mertens AC. The impact of limitations in physical, executive, and emotional function on health-related quality of life among adult survivors of childhood cancer: a report from the Childhood Cancer Survivors Study. *Arch Phys Med Rehabil*. 89(1):128-36, 2008. PMID: 18164342
4. **Mulrooney DA**, Ness KK, Neglia JP, Whitton J, Green DM, Zeltzer LK, Robison LL, Mertens AC. Fatigue and sleep disturbance in adult survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). *Sleep*. 31(2):271-81, 2008. PMID: 18274275. Role: First & corresponding author
5. **Mulrooney DA**, Dover DC, Yutaka Y, Ness KK, Mertens AC, Neglia JP, Sklar CA, Robison LL, Davies SM; Childhood Cancer Survivor Study. Twenty years of

follow-up among survivors of childhood and young adult acute myeloid leukemia: a report from the Childhood Cancer Survivor Study. *Cancer*. 112(9):2071-9, 2008. PMID: 18327823. Role: First & corresponding author

6. Nandagopal R, Laverdière C, **Mulrooney DA**, Hudson MM, Meacham L. Endocrine late effects of childhood cancer therapy: a report from the Children's Oncology Group. *Hormone Res*. 69(2):65-74, 2008. PMID: 18059086
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85. Williams AM, Cheung YT, Hyun G, Liu W, Ness KK, Ehrhardt MJ, **Mulrooney DA**, Bhakta N, Banerjee P, Brinkman TM, Green DM, Chemaitilly W, Huang I, Srivastava D, Hudson MM, Robison LL, Krull K. Childhood neurotoxicity and brain resilience to adverse events during adulthood. *Ann Neurol.* 89(3):534-45, 2021. PMID: 33274777
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Contribution of genome-wide polygenic score to risk of coronary artery disease in childhood cancer survivors. *JACC CardioOncol.* 4(2):258-67, 2022. PMID: 35818558. Role: Co-Senior author

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103. Williams AM, Mandelblatt J, Wang M, Armstrong GT, Bhakta N, Brinkman TM, Chemaitilly W, Ehrhardt MJ, **Mulrooney DA**, Small BJ, Wang Z, Srivastava D, Robison LL, Hudson MM, Ness KK, Krull KR. Premature aging as an accumulation of deficits in young adult survivors of pediatric cancer. *J Natl Cancer Inst.* 2022 Nov 12 (Epub). PMID: 36370084.
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ii. Original Research Articles Submitted for Review:

1. Krull KR, Hudson MM, Robison LL, Ness KK, Brinkman TM, Liu W, Srivastava DK, **Mulrooney DA**, Banerjee P, Dixon S, Williams, AL, Alexander T, Chemaitilly W. Metabolic syndrome and neurocognitive outcomes in long-term survivors of childhood cancer: A report from the St. Jude Cohort. Submitted.
2. Noyd DH, Li N, Liu Q, Yasui Y, Chow EJ, Bhatia S, Nathan PC, Landstrom AP, Gilchrist SC, Tonorezos E, Casillas J, Berkman A, Ness KK, **Mulrooney DA**, Leisenring WM, Howell CR, Shoag J, Kirchhoff A, Howell RM, Gibson TM, Zullig LL, Armstrong GT, Oeffinger KC. Disparities in cardiovascular risk factors by

race/ethnicity among survivors of childhood cancer compared to the general population: a report from the Childhood Cancer Survivor Study (CCSS). Submitted.

3. Wu NL, Chen Y, Math M, Dieffenbach BV, Ehrhardt MJ, Hingorani S, Howell RM, Jefferies JL, **Mulrooney DA**, Oeffinger KC, Robison LL, Weil BR, Yuan Y, Yasui Y, Hudson MM, Leisenring WM, Armstrong GT, Chow EJ. Development and validation of a prediction model for kidney failure in long-term survivors of childhood cancer. Submitted.
4. Bates JE, Shrestha S, Liu Q, Smith SA, **Mulrooney DA**, Leisenring W, Gibson T, Robison LL, Chow EJ, Oeffinger KC, Armstrong GT, Constine LS, Hoppe BS, Lee C, Yasui Y, Howell RM. Cardiac substructure radiation dose and risk of late cardiac disease. Submitted.

iii. Reviews:

1. **Mulrooney DA**, Neglia JP, Hudson MM. Caring for adult survivors of childhood cancer. Review. *Curr Treat Options Oncol*. 9(1):51-66, 2008. PMID: 18363110. Role: First & corresponding author
2. **Mulrooney DA**, Blaes AH, Duprez D. Vascular injury in cancer survivors. *J Cardiovasc Transl Res*. 5(3):287-96, 2012. Role: First & corresponding author
Gibson TM, Li Z, Green DM, Armstrong GT, **Mulrooney DA**, Srivastava D, Bhakta N, Ness KK, Hudson MM, Robison LL. Blood pressure status in adult survivors of childhood cancer: a report from the St. Jude Lifetime Cohort Study. Review. *Cancer Epidemiol Biomarkers Prev*. 26(12):1705-13, 2017. PMID: 29167278
3. Dixon SB, Bjornard KL, Alberts NM, Armstrong GT, Brinkman TM, Chemaitilly W, Ehrhardt MJ, Fernandez-Pineda I, Force LM, Gibson TM, Green DM, Howell CR, Kaste SC, Kirchoff AC, Klosky JL, Krull KR, Lucas JT, **Mulrooney DA**, Ness KK, Wilson CL, Yasui Y, Robison LL, Hudson MM. Factors influencing risk-based care of the childhood cancer survivor in the 21st century. Review. *CA Cancer J Clin*. 68(2):133-52, 2018. PMID: 29377070

iv. Editorials and Commentaries:

1. Dietz, AC, **Mulrooney DA**. Life beyond the disease: relationships, parenting, and quality of life among survivors of childhood cancer. *Haematologica*. 96(5):643-5, 2011. PMID: 21531947. Role Senior author
2. Ehrhardt MJ, **Mulrooney DA**. Metabolic syndrome in adult survivors of childhood cancer: the intersection of oncology, endocrinology, and cardiology. *Lancet Diabetes Endocrinol*. 3(7):494-6, 2015. PMID: 25873570. Role Senior author
3. **Mulrooney DA**, Duprez D. Caring for cancer survivors – more than just checking the blood pressure and measuring the ejection fraction. *Future Cardiol*. 11(4):371-5, 2015. PMID: 26238418. Role First & corresponding author

4. Baassiri MJ, **Mulrooney DA**. At the heart of adolescent and young adult cancer survivorship. *J Clin Oncol*. 34(14):1570-2, 2016. PMID: 27022109. Role: Senior author
5. **Mulrooney DA**. Breast cancer following childhood cancer – more to the story than we thought. *Transl Cancer Res*;5 (Suppl 4):S903-6, 2016. Role First & corresponding author
6. **Mulrooney, DA**. Challenges predicting the cardiovascular future for survivors of childhood cancer. *Cancer Epidemiol Biomarkers Prev* 31(3):515-7, 2022. PMID: 35253045. Role First & corresponding author

v. Case Reports:

1. Armstrong GT, Tolle JJ, Piana R, Santucci A, Leathers J, Ness KK, **Mulrooney DA**, Green DM, Joshi VM, Robison LL, Hudson MM, Lenihan D. Exercise right heart catheterization for pulmonary hypertension identified on screening echocardiography in adult survivors of childhood cancer: a report from the St. Jude Lifetime Cohort. *Pediatr Blood Cancer*. 65(1):10.1002, 2018. PMID: 28843055
2. **Mulrooney DA**, Carpenter B, Georgieff M, Angel C, Hunter D, Foker J, Steiner M. Hepatic mesenchymal hamartoma in a neonate: a case report and review of the literature. *J Pediatr Hematol Oncol*. 2(5):316-7, 2001. PMID: 11464991. Role: First & corresponding author
3. **Mulrooney DA**, Davies SM, Walk D, Charnas LR. Late occurrence of chronic immune-mediated axonal polyneuropathy following bone marrow transplant for juvenile-onset alpha-mannosidosis. *Bone Marrow Transplant*. 32(9):953-5, 2003. PMID: 14561998. Role: First & corresponding author

B. Non-Peer Reviewed Publications and Reports

i. Original Non-Peer Reviewed Research Articles

1. **Mulrooney DA**. Surviving childhood cancer. Cure is not enough. *Minn Med*. 93(10):36-9, 2010.

15. Presentations

A. Oral Presentations - Invited Speaker

1. Fatigue and Sleep in Survivors of Childhood Cancer: a report from the Childhood Cancer Survivor Study. 15th Annual Mayo Clinic Hematology/Oncology Reviews, August 2005. Role: Invited speaker

2. Living After Cancer Program, Ask the Expert Series, Cancer Center, University of Minnesota, September 2005. Role: Invited speaker
3. Cancer in Patients with Cystic Fibrosis (Symposium 18), 2005 North American CF Conference, October 2005. Role: Invited speaker
4. Primary Care for Adult Survivors of Childhood Cancer, 2005 American College of Physicians Minnesota Chapter Scientific Meeting, November 2005. Role: Invited speaker
5. Community Engagement around Childhood Cancer Survivorship, Cancer Summit 2006, Minnesota Cancer Alliance, April 2006. Role: Invited speaker
6. Care for the Childhood Cancer Survivor, Pediatric Update, Park Nicollet Clinic and Specialty Center, May 2006. Role: Invited speaker
7. A Lion in the House: Minnesotans Connect, Documentary on Childhood Cancer, Community Panel Member, Twin Cities Public Television, June 2006. Role: Invited speaker
8. Care for Adult Survivors of Childhood and Adolescent Cancer, American Cancer Society, St. Gabriel's Hospital Cancer Conference, October 2006. Role: Invited speaker
9. Cardiovascular Disease in Adult Survivors of Childhood Cancer, St. Jude Children's Research Hospital, January 2007. Role: Invited speaker
10. Surviving Childhood Cancer, Pediatric Grand Rounds, University of Minnesota, January 2007. Role: Invited speaker
11. Bone Marrow and Stem Cell Transplants: Effect on Long-Term Health, National Children's Cancer Society and National Marrow Donor Program Teleconference, April 2007. Role: Invited speaker
12. Long Term Effects of Chemotherapy, National Association of Children's Hospitals and Related Institutions, 2007 Oncology/BMT Focus Group Meeting, June 2007. Role: Invited speaker
13. Caring for Survivors of Childhood Cancer, Minnesota Society of Radiologic Technologists 67th Annual Meeting and Fall Education Conference, September 2007. Role: Invited speaker
14. Survivors of Childhood Cancers: Management Tips for the Internist, American College of Physicians, Minnesota Chapter Scientific Meeting, November 2007. Role: Invited speaker
15. Transitioning of Care After Childhood Cancer, Teleconference Series, The Transfer of Medical Care from Pediatric Oncology to Primary Care, National Children's Cancer Society Teleconference, February 2008. Role: Invited speaker
16. Caring for the Childhood Cancer Survivor, Topics and Advances in Pediatrics, University of Minnesota, March 2008. Role: Invited speaker

17. Long-Term Follow-Up of Cancer Survivors: Lessons Learned from the Children, Oncology Nursing Society, Metro Minnesota Chapter Cancer Conference, 2008. Role: Invited speaker
18. Cardiac Issues in Long-Term Survivors of Childhood Cancer, Eleventh Annual Pediatric Hematology/Oncology/BMT Nursing Symposium, University of Minnesota, November 2008. Role: Invited speaker
19. Unique Issues Facing Children in Long-Term Follow-up After Blood or Marrow Transplantation, University of Minnesota Blood and Marrow Transplant Program 40th Anniversary Celebration: BMT Survivorship Education Event, University of Minnesota, November 2008. Role: Invited speaker
20. Cardiovascular Outcomes in Childhood Cancer Survivors, Rady Children's Hospital/University of California at San Diego, April 2010. Role: Invited speaker
21. Cardiovascular Outcomes in Childhood Cancer Survivors, Cancer Center Seminar, Masonic Cancer Center, University of Minnesota, June 2010. Role: Invited speaker
22. Medical Cares and Concerns, National Children's Cancer Society, July 2010. Role: Invited speaker
23. Medical Cares and Concerns, National Children's Cancer Society Survivorship Conference, July 2010. Role: Invited speaker
24. Childhood Cancer Therapy – More Than Just a Cure, Grand Rounds Case Conference, Laboratory Medicine & Pathology, University of Minnesota, December 2010. Role: Invited speaker
25. Survivorship: More Than Just a Cure, National Children's Cancer Society Nursing Web Conference, April 2011. Role: Invited speaker
26. Outcomes in Childhood Cancer Survivors, Microbiology, Immunology, and Cancer Biology (MICaB) Ph.D. Program, MICaB 8013 Translational Cancer Research, University of Minnesota, April 2011. (invited lecturer)
27. Survivorship, More than Just a Cure, National Children's Cancer Society, Webinar Professional Program, April 2011. Role: Invited lecturer
28. Integrating Survivor Care Plans into Practice, Bridging the Transition to Life after Cancer Treatment, Cancer Survivorship Conference, April 2011. Role: Invited lecturer
29. Cancer in Pediatric and Adolescent Populations, Pediatric Physiology and Health: Concepts and Applications, KIN 5585, University of Minnesota, June 2011. Role: Invited lecturer
30. Dimensions of Cardiovascular Function in Survivors of Childhood Cancer, St. Jude Children's Research Hospital, August 2011. Role: Invited speaker
31. Childhood Cancer Survivorship, Fairview Northland Hospital Grand Rounds, November 2011. Role: Invited lecturer

32. Pediatric Anemia, Fairview Maple Grove Medical Center, November 2011. Role: Invited lecturer
33. Maintaining a Healthy Heart, Survivorship Series Educational Conference, University of Minnesota, March 2012. Role: Invited speaker
34. Cardiovascular Disease in Adult Survivors of Childhood and Adolescent Cancer: a report from the Childhood Cancer Survivor Study (CCSS), ASA Conference on Radiation & Health, June 2012. Role: Invited speaker
35. Vascular Injury in Survivors of Childhood Cancer, Grand Rounds, St. Jude Children's Research Hospital, January 2013. Role: Invited speaker
36. Long-Term Follow-Up Care for a Wilms Tumor Survivor, Solid Tumor Conference, St. Jude Children's Research Hospital, March 2013. Role: Invited speaker
37. Progress in the Treatment of Late Effects, National Children's Cancer Society Web Conference, March 2013. Role: Invited speaker
38. Critical Issues in Transition for Cancer Survivors, American Society of Pediatric Hematology Oncology Annual Meeting, April 2013. Role: Invited speaker
39. Childhood Cancer Therapy – More Than Just a Cure, Domestic Affiliate Program's RN-CRA Annual Conference St. Jude Children's Research Hospital, August 2013. Role: Invited speaker
40. Transition of Care to the Adult World, Survivorship Conference, ALL Children's Hospital, November 2013. Role: Invited speaker
41. Childhood Cancer Therapy: More than Just a Cure, Nemours Children's Clinic, November 2013. Role: Keynote speaker
42. Options for Surgical Treatment of Pain in Cancer Survivors, Solid Tumor Conference, St. Jude Children's Research Hospital, January 2014. Role: Invited speaker
43. Domestic Affiliate Social Worker Conference: Late Effects in Childhood Cancer Survivors, St. Jude Children's Research Hospital, April 2014. Role: Invited speaker
44. Cardiovascular Disease in Adult Survivors of Childhood and Adolescent Cancer, Grand Rounds, Loyola University Medical Center, June 2014. Role: Invited speaker
45. Heart Health after Cancer, Childhood Cancer Survivors Conference, University of Texas Southwestern Medical School, November 2014. Role: Invited speaker
46. Perspectives on the Spectrum of Late Effects after Childhood Cancer, Director's Rounds, St. Jude Children's Research Hospital, June 2015. Role: Invited speaker
47. The Spectrum of Cardiovascular Outcomes After Childhood Cancer Therapy, Pediatric Grand Rounds, Baystate Medical Center, February 2016. Role: Invited speaker

48. Surviving Childhood Cancer, OSF St. Francis Medical Center, April 2016. Role: Keynote speaker
49. Transition of Care, OSF St. Francis Medical Center, April 2016. Role: Invited speaker
50. Pediatric Oncology Issues, The Children's Hospital at Saint Francis, September 2016. Role: Invited speaker
51. Implementation of COG Guidelines for Survivorship, The Children's Hospital at Saint Francis, September 2016. Role: Invited speaker
52. Fertility Preservation at St Jude: Past, Present, and Future, Grand Rounds, St. Jude Children's Research Hospital, September 2016. Role: Invited speaker
53. Updates in Fertility Outcomes in Pediatric Cancer Survivors, The Oncofertility Consortium, Prentice Women's Hospital, Northwestern University, November 2, 2016. Role: Invited speaker
54. Optimizing Care for the Survivor of Childhood Cancer, Affiliate Physicians' Conference, St. Jude Children's Research Hospital, April 2017. Role: Invited speaker
55. The Spectrum of Cardiovascular Disease After Childhood Cancer Therapy, Greehey Children's Cancer Research Institute Seminar Series, June 2017. Role: Invited speaker
56. Cardiovascular Sequelae of Childhood Cancer Therapy and Implications for Adult Health, Radiation Research Society, October 2017. Role: Invited speaker
57. Caring for and Learning from Survivors of Childhood Cancer, Minnesota Childhood Cancer Survivorship Symposium, University of Minnesota, April 2018. Role: Invited speaker
58. The Past, Present, and Future of Cancer Survivorship, Affiliate Physicians' Conference, St. Jude Children's Research Hospital, April 2018. Role: Invited speaker
59. A Clinician's Perspective: The St. Jude Life Program, Pediatric Oncologic Imaging sponsored by the Society for Pediatric Radiology (SPR), November 2018. Role: Invited speaker
60. State of the Heart: Cardio-Oncology at St. Jude, St. Jude Grand Rounds, St. Jude Children's Research Hospital, February 2019. Role: Invited speaker
61. Growing up After Childhood Cancer, Stanford Cancer Survivorship Lecture Series, Stanford University, January 2021. Role: Invited speaker
62. Cardiac Outcomes in Survivors of Childhood Cancer, St. Jude VIVA Forum Virtual Conference, March 2021. Role: Invited speaker
63. Updates to Cardiac Outcomes in Childhood Cancer Survivors, Pediatric Cardio-Oncology Webinar Series, April 2021. Role: Invited speaker

64. Lessons from the Study of Wilms Survivors in the St. Jude Lifetime Cohort Study, Clinical Translational Research in Solid Tumors Conference, St. Jude Children's Research Hospital, April 2021. Role: Invited speaker
65. Cardiovascular Risk Factors and Cardiovascular Disease Screening in Adult Survivors of Childhood Cancers – the IGHG CAD Guideline, Heart University, April 2021. Role: Invited speaker
66. Cancer Survivorship Past, Present, and Future, University of Minnesota Virtual Cancer Survivorship Conference, April 2021. Role: Invited speaker
67. Innovative Approaches to Guiding Survivor Care – Machine Learning to Improve the Prediction of Heart Failure, St. Jude Children's Research Hospital Danny Thomas Lecture Series, St. Jude Children's Research Hospital, December 2021.
68. Cardiovascular Health after Childhood Cancer, Pediatric Grand Rounds, Kapi'olani Medical Center for Women & Children, University of Hawaii, November 2021. Role: Invited speaker
69. Staying Healthy After Childhood Cancer, Hawaii Children's Cancer Foundation, Kapi'olani Medical Center for Women & Children, November 2021. Role: Invited speaker
70. Organ Health After Childhood Cancer – Cardiac Late Effects, St. Jude Children's Research Hospital-VIVA Survivorship, January 2022. Role: Invited speaker
71. Developing a Cost -Effective Cancer Survivorship Program for Low and Middle-Income Countries (LMICs). 16th Philippine Society of Pediatric Oncology Annual Scientific Meeting, November 2022. Role: Invited speaker

B. Abstracts

1. **Mulrooney DA**, Mertens AC, Neglia JP, Green DM, Zeltzer L, Robison LL. Fatigue and sleep disturbance in survivor of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting, May 2003. Role: First author. Poster presentation. *J Clin Oncol* 22:761 #3059, 2003.
2. **Mulrooney DA**, Mertens AC, Neglia JP, Green DM, Zeltzer L, Robison LL. Fatigue and sleep in survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting, June 2004. Poster presentation. Role: First author. *J Clin Oncol* 23:757 #8129, 2004.
3. **Mulrooney DA**, Mertens AC, Neglia JP, Green DM, Zeltzer L, Robison LL. Fatigue and sleep in survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). International Conference on Long-Term Complications of Treatment of Children & Adolescents for Cancer, June 2004. Role: First author. Poster presentation
4. **Mulrooney DA**, Mertens AC, Neglia JP, Green DM, Zeltzer L, Robison LL. Fatigue and sleep in survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). 15th Annual Mayo Clinic Hematology/Oncology Reviews, January 2005.

Oral presentation. Role: First author

5. **Mulrooney DA**, Dover DC, Yasui Y, Ness K, Mertens AC, Neglia JP, Sklar CA, Robison LL, Davies, SM. Twenty years of follow-up among survivors of childhood and young adult Acute Myeloid Leukemia (AML): a report from the Childhood Cancer Survivor Study (CCSS). ATVB Annual Conference, December 2006. Media Platform presentation. Role: First author. Role: First author. *Blood 108:11 #560, 2006.*
6. **Mulrooney DA**, Deyo M, Solovey A, Neaton JD, Hebbel RP, Neglia JP. Endothelial injury in adult survivors of childhood and adolescent Hodgkin's disease (HD). ATVB Annual Conference, April 2008. Role: First author. Poster presentation
7. Petryk A, Mitby P, Steffen L, Gurney J, **Mulrooney DA**, Parekh D, Dengel D, Sinaiko A, Moran A, Steinberger J, Baker KS. Growth hormone deficiency is associated with metabolic syndrome in survivors of childhood cancer who received hematopoietic cell transplant (HCT). PAS and PAS Joint Meeting, May 2008. Poster presentation
8. **Mulrooney DA**, Deyo M, Solovey A, Neaton JD, Hebbel RP, Neglia JP. Endothelial injury in adult survivors of childhood and adolescent Hodgkin's disease (HD). International Conference on Long-Term Complications of Treatment of Children & Adolescents for Cancer, June 2008. Role: First author. Poster presentation
9. Baker KS, Mitby P, Steffen L, Gurney J, **Mulrooney DA**, Parekh D, Dengel D, Sinaiko A, Moran A, Steinberger J, Petryk A. Growth hormone deficiency is associated with metabolic syndrome in survivors of childhood cancer who received hematopoietic cell transplant (HCT). 10th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2008. Oral presentation
10. **Mulrooney DA**, Yeazel M, Mitby P, Kawashima T, Leisenring WM, Stovall M, Green DM, Sklar CA, Robison LL, Mertens AC. Cardiovascular disease in adult survivors of childhood and adolescent cancer: a report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting, June 2008. Role: First author. Oral presentation. Role: First author
11. **Mulrooney DA**, Yeazel M, Mitby P, Kawashima T, Leisenring WM, Stovall M, Green DM, Sklar CA, Robison LL, Mertens AC. Cardiovascular disease in adult survivors of childhood and adolescent cancer: a report from the Childhood Cancer Survivor Study (CCSS). 10th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2008. Oral presentation. Role: First author
12. McAvoy S, **Mulrooney DA**, Arora M, Baker KS, Burns LJ, Majhail NS. Avascular necrosis (AVN) in survivors of hematopoietic-cell transplantation (HCT): a large single institution study. BMT Tandem Meetings, February 2009. Poster presentation
13. Majhail NS, Challa TR, **Mulrooney DA**, Baker KS, Burns LJ. New onset diabetes and hypertension in adult and pediatric survivors of allogeneic hematopoietic-cell transplantation. BMT Tandem Meetings, February 2009. Poster presentation
14. Baker KS, Kelly AS, Petryk A, Sinaiko AR, Steffen LM, Moran A, **Mulrooney DA**, Dengel DR, Gujral K, Zhou X, Steinberger J. Cardiometabolic risk in survivors of childhood

- cancer who received hematopoietic cell transplant (HCT). ASCO Annual Meeting, May 2009. Poster presentation. *J Clin Oncol* 2009;27:15s(suppl; abstr 6532).
15. Lee J, Pichard D, Nascene D, McKinney A, Moertel C, **Mulrooney DA**. Cavernous hemangiomas after cranial radiation in childhood cancer survivors. SNO and AANS/CNS Congress and Joint Meeting, October 2009. Poster presentation. Role: Senior author. *Neuro-Oncology* 2009;11(5):563-699.
 16. **Mulrooney DA**, Kelly AS, Baker KS, Steffen LM, Lunsford-Lee J, Petryk A, Sinaiko AR, Dengel DR, Perkins J, Messinger Y, Zhou X, Steinberger J. Cardiometabolic risks among survivors of childhood hematologic malignancies. 51st ASH Annual Meeting, December 2009. Role: First author.
 17. Baker KS, Steffen LM, Zhou X, Kelly AS, Lee J, Petryk A, Sinaiko AR, Dengel DR, **Mulrooney DA**, Steinberger J. Total body irradiation (TBI) increases cardio-metabolic risk and induces carotid vascular stiffness in survivors after hematopoietic cell transplant (HCT) for childhood hematologic malignancies. 51st ASH Annual Meeting, December 2009. Poster presentation. *Blood* 2009;114(22):1291.
 18. **Mulrooney DA**, Kelly AS, Baker KS, Steffen LM, Lunsford-Lee J, Petryk A, Sinaiko AR, Dengel DR, Perkins J, Messinger Y, Zhou X, Steinberger J. Insulin resistance and vascular stiffness in survivors of childhood hematologic malignancies. 11th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2010. Role: First author. Oral presentation.
 19. Baker KS, Steffen LM, Zhou X, Kelly AS, Lee J, Petryk A, Sinaiko AR, Dengel DR, **Mulrooney DM**, Steinberger J. Characteristics of insulin resistance (IR) and Cardiovascular Risk after Hematopoietic Cell Transplant (HCT) for childhood hematologic malignancies. 11th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2010. Oral presentation.
 20. Dietz AC, Polgreen L, Petryk A, Leisenring W, Goodman P, **Mulrooney DA**, Steffen LM, Kelly AS, Baker KS, Steinberger J. Bone mineral density in childhood cancer survivors (CCS). ASCO Annual Meeting, June 2010. Poster presentation
 21. Clanton NR, Klosky JL, Li C, Jain N, Srivastava DK, **Mulrooney DA**, Zeltzer L, Stovall M, Robison LL, Krull KR. Fatigue, vitality, sleep, and neurocognitive functioning in adult survivors of childhood cancer: a report from the Childhood Cancer Survivor Study. ASPHO Annual Meeting, October 2010. Oral presentation. *Pediatr Blood Cancer* 2010;55(5):814.
 22. Baker KS, Chow E, Koves I, Goodman P, Leisenring W, Hoffmeister P, Steffen LM, Dietz AC, Petryk A, Dengel D, Sinaiko AR, **Mulrooney DA**, Steinberger J. Adverse impact of hematopoietic cell transplantation (HCT) on body composition and insulin resistance is associated with increased cardiovascular risk. ASBMT Annual Meeting, February 2011. Oral presentation
 23. Blair C, Kelly A, Steinberger J, Eberly L, Napurski C, Robien K, Neglia J, **Mulrooney D**, Ross J. JAVA Study: a pilot study to evaluate the effects of purple grape juice on the vascular health of childhood cancer survivors. 44th SER Annual Meeting and 3rd ACE Meeting, June 2011. Poster presentation

24. Dietz AC, Sivinandam S, Kaufman C, Kelly AS, Neglia JP, Gaillard P, **Mulrooney DA**. Evaluation of traditional and novel measures of cardiac function to detect anthracycline-induced cardiotoxicity in survivors of childhood cancer. ASCO Annual Meeting, June 2011. Role: Senior author. Poster presentation
25. Dietz AC, Sivinandam S, Kaufman C, Kelly AS, Neglia JP, Gaillard P, **Mulrooney DA**. Evaluation of traditional and novel measures of cardiac function to detect anthracycline-induced cardiotoxicity in survivors of childhood cancer. Abstract # 9580; board # 43E. ASCO Annual Meeting, June 2011. Poster presentation. Role: Senior author. *J Clin Oncol* 29: 2011 (suppl; abstr 9580).
26. Hudson M, Oeffinger K, Nathan P, Mertens A, Castellino S, Casillas J, **Mulrooney D**, Gurney J, Armstrong G, Leisenring W, Robison L, Ness KK. Longitudinal changes in health status of the childhood cancer survivor study. 43rd SIOF Congress, October 2011. Oral presentation.
27. Marina N, Hudson M, **Mulrooney DA**, Avedian R, Donaldson S, Fisher P, Leisenring W, Stovall M, Robison LL, Ness KK. Comparison of health status between upper and lower extremity sarcoma survivors: A report from the Childhood Cancer Survivor Study. 43rd SIOF Congress, October 2011. Oral presentation.
28. Blaes AH, Baker KS, Benson B, Bliss R, Lee J, Neglia JP, **Mulrooney DA**. Quality of life in cancer survivors is similar to the general population. Abstract # e16502. ASCO Annual Meeting, June 2012. Role: Senior author. Poster presentation. *J Clin Oncol* 30, 2012 (suppl; abstr e16502).
29. Edelmann M, Brinkman TM, MulrooneyMULROONEY DA, Kimberg C, Hudson MM, Krull KR. Uric acid is associated with neurocognitive function in survivors of childhood acute lymphoblastic leukemia. INS Annual Meeting, February 2013. *J Int Neuropsychol Soc.* 19(S1): 44-5, 2013.
30. Polgreen L, Petryk A, Dietz AC, Leisenring W, Goodman P, Norris A, Hoffman M, **Mulrooney DA**, Perkins J, Steffen LM, Kelly AS, Sinaiko AR, Moran A, Dengel DR, Baker KS, Steinberger J. Bone mineral density in childhood cancer survivors (CCS). 11th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2013. Poster presentation
31. Blaes AH, Baker KS, Lee JL, Moen C, **Mulrooney DA**, Vankina S, Vogel RI, Kunin-Batson A. Body mass index (BMI) and its impact on quality of life (QOL) in childhood leukemia survivors. 13th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2013. Poster presentation
32. Edelmann MN, Brinkman TM, MULROONEY DA, Kimberg CI, Hudson MM, Krull KR. Uric acid and neurocognitive function in survivors of childhood Acute Lymphoblastic Leukemia. 13th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2013. Role: Senior author
33. Blaes AH, Baker KS, Lee JL, Moen C, **Mulrooney DA**, Vankina S, Vogel RI, Kunin-Batson A. Body mass index (BMI) and its impact on quality of life (QOL) in childhood leukemia survivors. ASCO Annual Meeting, June 2013. Poster presentation

34. **Mulrooney DA**, Nunnery S, Armstrong GT, Ness KK, Srivastava DK, Donovan D, Metzger M, Krasin MJ, Joshi VM, Durand JB, Robison LL, Hudson MM, Flamm SD. Coronary artery disease detected by coronary computed tomographic angiography (CCTA) in adult survivors of childhood Hodgkin lymphoma. IC-OS Annual Global Meeting, December 2013. Role: First author. Poster presentation
35. **Mulrooney DA**, Nunnery S, Armstrong GT, Ness KK, Srivastava DK, Donovan D, Metzger M, Krasin MJ, Joshi VM, Durand JB, Robison LL, Hudson MM, Flamm SD. Coronary artery disease detected by coronary computed tomographic angiography (CCTA) in adult survivors of childhood Hodgkin lymphoma. 2nd ISCAYAHL International Symposium, May 2014. Role: First author. Oral presentation
36. Blaes AH, **Mulrooney DA**, Vogel, RI, Peterson BA, Yee D, Neglia JP, Duprez D. Arterial elasticity in testicular cancer survivors. ASCO Annual Meeting, May 2014. Poster presentation
37. Armstrong GT, Joshi VM, Ness KK, Zhang N, Srivastava DK, Griffin B, Grimm R, Thomas JT, Phelan D, Collier P, **Mulrooney DA**, Krull K, Green DM, Marwick TH, Hudson MM, Robison LL, Plana JC. Myocardial strain for detection of treatment-related cardiac dysfunction in adult survivors of childhood cancer: results from the St. Jude Lifetime Cohort Study. ASCO Annual Meeting, May 2014. Poster presentation. *J Clin Oncol 32:5s, 2014 (suppl; abstr 10081)*.
38. Chow EJ, Chen Y, Armstrong GT, Border WL, Meacham LR, **Mulrooney DA**, Oeffinger KC, Sklar CA, Stovall M, Robison LL, Yasui Y. Individual risk prediction of major cardiovascular events after cancer: a Childhood Cancer Survivor Study report. ASCO Annual Meeting, May 2014. Poster presentation
39. **Mulrooney DA**, Armstrong GT, Huang S, Ness KK, Joshi VM, Green DM, Srivastava DK, Santucci A, Krasin MJ, Robison LL, Hudson MM. Cardiac outcomes in aging survivors of childhood cancer exposed to cardiotoxic therapy: a report from the St. Jude Lifetime (SJLIFE) Cohort study. ASCO Annual Meeting, May 2014. Role: First author. Poster presentation. *J Clin Oncol 32:5s, 2014 (suppl; abstr 7056)*.
40. Dietz AC, Chen Y, Ness KK, Hagood JS, Chow EJ, Yasui Y, Stovall M, Neglia JP, Oeffinger KC, Mertens AC, Robison LL, Armstrong GT, **Mulrooney DA**. Risk and impact of pulmonary complications in survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting, May 2014. Role: Senior author. Poster presentation. *J Clin Oncol 32:5s, 2014 (suppl; abstr 10022)*.
41. **Mulrooney DA**, Armstrong GT, Huang S, Ness KK, Joshi VM, Green DM, Srivastava DK, Santucci A, Krasin MJ, Robison LL, Hudson MM. Cardiac outcomes in aging survivors of childhood cancer exposed to cardiotoxic therapy: a report from the St. Jude Lifetime (SJLIFE) Cohort study. ESLCCC Annual Meeting, September 2014. Role: First author. Poster presentation
42. Ness KK, Kadan-Lottick N, Krull K, Pui CH, Srivastava DK, **Mulrooney DA**, Karlage RE, Guthrie N, Kimberg C, Brinkman T, Robison LL, Hudson MM. Activity monitor and rewards-based interactive website sustains physical activity in young adolescent cancer survivors. ESLCCC Annual Meeting, September 2014.

43. Edelmann M, Daryani VM, Bishop MW, Liu W, Stewart CF, Ness KK, Brinkman TM, **Mulrooney DA**, Kimberg C, Srivastava DK, Robison LL, Hudson MM, Krull KR. Neurocognitive outcomes in long-term survivors of childhood osteosarcoma: A report from the St. Jude Lifetime Cohort Study. ESLCCC Annual Meeting, September 2014.
44. **Mulrooney DA**, Soliman EZ, Armstrong GT, Joshi VM, Green DM, Srivastava DK, Krasin MT, Luepker RV, Robison LL, Hudson MM, Ness KK. Electrocardiographic abnormalities in aging survivors of childhood cancer: a report from the St. Jude Lifetime (SJLIFE) Cohort study. 46th SIOP Annual Congress, October 2014. Role: First author. Poster presentation
45. Armstrong GT, Joshi V, Ness KK, Zhang N, Srivastava DK, **Mulrooney DA**, Krull K, Green DM, Marwick TH, Hudson MM, Robison LL, Plana JC. Metabolic syndrome and cardiac dysfunction in adult survivors of childhood cancer: Results from the St. Jude Lifetime Cohort study. 46th SIOP Annual Congress, October 2014.
46. **Mulrooney DA**, Jones KE, Ness KK, Crom DB, Ehrhardt MJ, Brinkman TM, Krull KR, Chemaitilly W, Kun LE, Kaste SC, Armstrong GT, Srivastava DK, Relling MV, Pui CH, Jeha S, Sandlund JT, Green DM, Robison LL, Hudson MM. Late outcomes of adult survivors of childhood acute lymphoblastic leukemia (ALL) diagnosed between 1963-2002: a report from the St. Jude Lifetime (SJLIFE) Cohort Study. ASCO Annual Meeting, December 2014. Oral presentation. Role: First author. *Blood*. 2014 Nov;124(21):853.
47. Ehrhardt MJ, Sandlund JT, Zhang N, Ness KK, Chemaitilly W, Krull KR, Brinkman TM, Crom DB, Kun LE, Kaste SC, Armstrong GT, Green DM, Srivastava DK, Robison LL, Hudson MM, **Mulrooney DA**. Late outcomes among adult survivors of childhood non-Hodgkin lymphoma (NHL): a report from the St. Jude Lifetime (SJLIFE) Cohort study. ASCO Annual Meeting, May 2015. Role: Senior author. Poster presentation. *J Clin Oncol* 33, 2015 (suppl; abstr 10064).
48. Green DM, Zhu L, Krasin MJ, Stokes DC, Srivastava DK, Ness KK, McCarville ME, **Mulrooney DA**, Armstrong GT, Pui CH, Spunt SL, Metzger ML, Navid F, Davidoff AM, Rao BN, Robison LL, Hudson MM. Pulmonary function in adult survivors of childhood cancer: a report from the St. Jude Lifetime Cohort study (SJLIFE). ASCO Annual Meeting, May 2015. Poster presentation. *J Clin Oncol* 33, 2015 (suppl; abstr 10018).
49. Krull KR, **Mulrooney DA**, Zhang N, Armstrong GT, Ehrhardt M, Chemaitilly W, Brinkman T, Ness KK, Joshi V, Srivastava DK, Robison LL, Hudson MM. Cardiovascular contributions to neurocognitive outcomes in adult survivors of childhood cancer. ASPHO Annual Meeting, May 2015. *Pediatr Blood Cancer* 2015 Nov;62:S172.
50. Ehrhardt MJ, Sandlund JT, Zhang N, Ness KK, Chemaitilly W, Krull KR, Brinkman TM, Crom DB, Kun LE, Kaste SC, Armstrong GT, Green DM, Srivastava DK, Robison LL, Hudson MM, **Mulrooney DA**. Late outcomes among adult survivors of childhood non-Hodgkin lymphoma (NHL): a report from the St. Jude Lifetime (SJLIFE) Cohort study. 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2015. Role: Senior author. Poster presentation
51. **Mulrooney DA**, Soliman EZ, Armstrong GT, Joshi VM, Green DM, Srivastava DK, Krasin MT, Luepker RV, Robison LL, Hudson MM, Ness KK. Electrocardiographic abnormalities in aging survivors of childhood cancer: a report from the St. Jude Lifetime (SJLIFE)

Cohort study. 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2015. Role: First author. Oral presentation.
Role: First author

52. Dietz AC, Chen Y, Ness KK, Hagood JS, Chow EJ, Yasui Y, Stovall M, Neglia JP, Oeffinger KC, Mertens AC, Robison LL, Armstrong GT, **Mulrooney DA**. Risk and impact of pulmonary complications in survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2015. Role: Senior author. Oral presentation
53. Krull KR, **Mulrooney DA**, Zhang N, Armstrong GT, Ehrhardt M, Chemaitilly W, Brinkman T, Ness KK, Joshi V, Srivastava DK, Robison LL, Hudson MM. Cardiovascular contributions to neurocognitive outcomes in adult survivors of childhood cancer. 47th SIOF Congress, October 2015.
54. Ehrhardt M, **Mulrooney DA**, Li C, Sandlund J, Brinkman TM, Huang I-C, Srivastava DK, Ness KK, Robison LL, Hudson MM, Krull KR. Neurocognitive, psychosocial, and quality of life outcomes in adult survivors of childhood non-Hodgkin lymphoma in the St. Jude Lifetime (SJLIFE) Cohort. Abstract # 4480. 57th ASH Annual Meeting, December 2015. Poster presentation.
55. Krull KR, MULROONEY DA, Zhang N, Armstrong GT, Ehrhardt MJ, Chemaitilly W, Brinkman TM, Joshi V, Srivastava D, Robison LL, Hudson MM. Cardiovascular contributions to neurocognitive outcomes in adult survivors of childhood cancer. ICCTF Annual Meeting, March 2016.
56. Green DM, Zhu L, Santos ND, Bissler J, **Mulrooney DA**, Ness KK, Ojha RP, Spunt SL, Navid F, Srivastava DK, Davidoff AM, Robison LL, Hudson MM. Renal function after treatment for childhood cancer. ASCO Annual Meeting, June 2016. *J Clin Oncol* 34, 2016 (suppl; abstr 10571).
57. Joshi V, Plana JC, Zhang N, Srivastava DK, Ness KK, **Mulrooney DA**, Green DM, Robison LL, Hudson MM, Marwick TH, Armstrong GA. Left ventricular diastolic function in adult survivors of childhood cancer. 27th ASE Annual Scientific Sessions, June 2016.
58. Ehrhardt MJ, **Mulrooney DA**, Chenghong L, Baassiri MJ, Sandlund JT, Brinkman TM, Huang I, Srivastava DK, Ness KK, Robison LL, Hudson MM, Krull KR. Neurocognitive, psychosocial, and quality of life outcomes in adult survivors of childhood non-Hodgkin lymphoma in the St. Jude Lifetime (SJLIFE) Cohort. 16th ESLCCC Meeting, September 2016. Poster presentation
59. Leathers J, Armstrong GT, Tolle JJ, Santucci A, Ness KK, **Mulrooney DA**, Green DM, Joshi VM, Robison LL, Hudson MM, Lenihan D. Exercise right heart catheterization for pulmonary hypertension identified on screening echocardiography in adult survivors of childhood cancer: a report from the St. Jude Lifetime Cohort. 20th HFSA Annual Meeting, September 2016. *Pediatr Blood Cancer*. 65(1):10.1002, 2016.
60. Cheung YT, Brinkman TM, **Mulrooney DA**, Chemaitilly W, Liu W, Srivastava D, Pui CH, Robison LL, Hudson MM, Krull KR. Association of serum dehydroepiandrosterone-sulfate

(DHEA-S) with sleep, fatigue and neurocognitive outcomes in long-term survivors of childhood acute lymphoblastic leukemia. 48th SIOP Congress, October 2016.

61. Ness KK, **Mulrooney DA**, Joshi VM, Pui CH, Armstrong GT, Ehrhardt MJ, Green DM, Robison LL, Hudson MM. Cardiac autonomic dysfunction in adult survivors of childhood ALL: a report from the St. Jude Lifetime Cohort Study. 48th SIOP Annual Congress, October 2016.
62. Wilson CL, Lu L, Howell CR, Kaste SC, **Mulrooney DA**, Pui CH, Partin RE, Lanctot JQ, Srivastava DK, Robison LL Hudson MM, Ness KK. The influence of physical fitness on adverse health outcomes among survivors of childhood acute lymphoblastic leukemia. 48th SIOP Annual Congress, October 2016. Oral presentation. *Pediatr Blood Cancer*. 2016 Nov;63 Suppl 3:S5-S321.
63. Basseri MJ, **Mulrooney DA**, Ehrhardt MJ, Bhakta N, Liu W, Ness KK, Brinkman TM, Krull KR, Chemaitilly, Armstrong GT, Green DM, Rubinitz JJ, Inaba H, Srivastava DK, Robison LL, Hudson MM. Late outcomes of adult survivors of childhood acute myeloid leukemia (AML) the St. Jude Lifetime (SJLIFE) Cohort. 48th SIOP Annual Congress, October 2016.
64. Ehrhardt MJ, Chen Y, Sandlund JT, Bluhm EC, Hayashi R, Leisenring WM, Metzger M, Ness KK, Krull KR, Oeffinger KC, Robison LL, Yasui Y, Armstrong GT, Hudson MM, **Mulrooney DA**. Estimated late health outcomes in children newly diagnosed with mature B-cell non-Hodgkin lymphoma treated with contemporary LMB chemotherapy based upon similarly treated participants in the Childhood Cancer Survivor Study (CCSS). 58th ASH Annual Meeting, December 2016. Role: Senior author. Poster presentation
65. Baassiri MJ, Ehrhardt MJ, Liu W, Bhakta N, Ness KK, Brinkman TM, Krull KR, Chemaitilly W, Armstrong GA, Green DM, Rubnitz J, Inaba H, Srivastava DK, Robison LL, Hudson MM, **Mulrooney DA**. Late outcomes of adult survivors of childhood acute myeloid leukemia (AML): the St. Jude Lifetime (SJLIFE) Cohort. POEM Group Meeting, January 2017. Oral presentation. Role: Senior author
66. Cheung YT, Sabin ND, **Mulrooney DA**, Ness KK, Krasin MJ, Brinkman TM, Banerjee P, Srivastava DK, Robison LL, Hudson MM, Krull KR. Chronic pulmonary conditions and neurocognitive function in long-term survivors of childhood Hodgkin Lymphoma. 45th INS Annual Meeting, February 2017.
67. Eissa HM, Lu L, Bassiri M, Bhakta N, Ehrhardt MJ, **Mulrooney DA**, Triplett BM, Green DM, Robison LL, Hudson MM, Ness KK. Chronic conditions and frail health among adult survivors of childhood hematologic malignancies treated with hematopoietic cell transplant (HCT): a report from the St. Jude Lifetime Cohort Study (SJLIFE). ASTCT and CIBMTR Tandem Meeting, February 2017.
68. Phillips NS, Glass JO, Scoggins M, Cheung YT, Liu W, Ogg RJ, **Mulrooney DA**, Pui CH, Robison LL, Reddick WE, Hudson MM, Krull KR. Subcortical brain volumes and neurocognitive function in survivors of childhood acute lymphoblastic leukemia treated with chemotherapy only. ASCO Annual Meeting, June 2017. *J Clin Oncol* 35, 2017 (suppl; abstr 10517). Role: Senior author
69. Phillips NS, Glass JO, Scoggins M, Cheung YT, Liu W, Ogg RJ, **Mulrooney DA**, Pui CH, Robison LL, Reddick WE, Hudson MM, Krull KR. Subcortical brain volumes and

neurocognitive function in survivors of childhood acute lymphoblastic leukemia treated with chemotherapy-only. 15th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2017.

70. **Mulrooney DA**, Ness KK, Huang S, Santucci A, Hebbel RP, Solovey AS, Duprez DA, Ehrhardt MJ, Green DM, Srivastava D, Robison LL, Hudson MM. Endothelial dysfunction in adult survivors of childhood cancer: a report from the St. Jude Lifetime Cohort Study. 15th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2017. Oral presentation. Role: First author
71. Bates JE, Liu Q, Yasui Y, Howell RM, Mulrooney DA, Dhakal S, Leisenring WM, Indelicato DJ, Gibson TM, Armstrong GT, Oeffinger KC, Constine LS. Age-associated vulnerability to treatment-related late cardiotoxicity: A report from the Childhood Cancer Survivor Study (CCSS). Abstract # 10501. ASCO Annual Meeting, June 2017. *J Clin Oncol* 35, 2017 (suppl; abstr 10501).
72. **Mulrooney DA**, Ness KK, Huang S, Santucci A, Hebbel RP, Solovey AS, Duprez DA, Ehrhardt MJ, Green DM, Srivastava D, Robison LL, Hudson MM. Endothelial dysfunction in adult survivors of childhood cancer: a report from the St. Jude Lifetime Cohort Study. ASCO Annual Meeting, June 2017. Role: First author. Poster presentation
73. Gibson TM, Li Z, Green DM, Armstrong GT, **Mulrooney DA**, Srivastava DK, Bhakta N, Ness KK, Hudson MM, Robison LL. Hypertension in adult survivors of childhood cancer: a report from the St. Jude Lifetime Cohort. 15th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, June 2017.
74. Einstein AJ, Sesso HD, Cohen SS, Boerma M, Chambers C, Darby S, Gerber TC, Hirshfeld J, Little MP, **Mulrooney DA**, Held KD, Boice JD. Classification of cardiovascular causes of death for radiation epidemiologic studies: initial application to cohorts of radiation workers, radiographers, and atomic veterans. ESC Annual Congress, August 2017. Poster presentation. *Eur Heart J* 2017;38(Suppl_1):ehx502.p1521.
75. Nolan MT, Plana JP, Li Z, Ness KK, Joshi VM, Srivastava DK, Green DM, **Mulrooney DA**, Robison LL, Hudson MM, Marwick TH, Armstrong GT. Cardiometabolic risk factors and left ventricular dysfunction risk in adult survivors of childhood cancers: a report from the St. Jude Lifetime Cohort (SJLIFE) study. ESC Annual Congress, August 2017. *Eur Heart J* 2017 Aug;38(suppl_1):ehx493.P6180.
76. Cheung YT, Sabin ND, Mulrooney DA, Ness KK, Krasin MJ, Brinkman TM, Banerjee P, Srivastava DK, Robison LL, Hudson MM, Krull KR. Impact of chronic pulmonary deficits and cardiac abnormalities on neurocognitive function in long-term survivors of childhood Hodgkin lymphoma. SIOP Annual Meeting, October 2017.
77. Topping Olson I, Brinkman T, Hyun G, Banerjee, P, **Mulrooney D**, Huang IC, Green D, Srivastava D, Robison LL, Hudson, MM, Krull KR. Neurocognitive outcomes in long-term survivors of Wilms tumor. 46th INS Annual Meeting, February 2018.
78. Daniel L, Wang M, Srivastava DK, Schwartz L, Brinkman TM, Edelstein K, **Mulrooney DA**, Zhou E, Howell R, Gibson T, Leisenring L, Armstrong GT, Krull KR. Sleep behaviors and patterns and their relationship to mental health outcomes in adult survivors of childhood cancers. SLEEP Annual Meeting, June 2018. Oral presentation

79. Karlson C, Alberts N, Liu W, Brinkman T, Annett R, **Mulrooney DA**, Schulte F, Leisenring W, Gibson T, Howell R, Srivastava DK, Oeffinger K, Armstrong GT, Zeltzer L K, Krull KK. Chronic pain and disability in long-term survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). Abstract # 1051; poster # 265. ASCO Annual Meeting, June 2018. Poster presentation. *J Clin Oncol* 36, 2018 (suppl; abstr 10568).
80. Huang IC, Ehrhardt MJ, Li C, **Mulrooney DA**, Chemaitilly W, Srivastava D, Armstrong GT, Robison LL, Hudson MM, Krull KR. Longitudinal assessment of patient-reported cumulative symptom burden as an indicator of chronic health conditions in adult survivors of childhood cancer: A joint report of the St. Jude Lifetime Cohort (SJLIFE) and the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting, 2018. *J Clin Oncol*. 36, 2018 (suppl; abstr 10571).
81. Huang IC, Ehrhardt MJ, Li C, **Mulrooney DA**, Chemaitilly W, Srivastava D, Armstrong GT, Robison LL, Hudson MM, Krull KR. Longitudinal patient-reported cumulative symptom burden as an indicator of chronic health conditions in adult survivors of childhood cancer: A follow-up study of 25 years. ISOQOL Annual Meeting, October 2018.
82. Ehrhardt MJ, Howell CR, Hale K, Baassiri MJ, Rodriguez C, Wilson CL, Joshi SS, Lemond TC, Shope S, Howell RM, Wang Z, **Mulrooney DA**, Zhang J, Robison LL, Ness KK, Hudson MM. Breast cancer risk and detection in female childhood cancer survivors in the St. Jude Lifetime Cohort Study (SJLIFE). 50th SIOP Annual Congress, November 2018.
83. Williams AM, Mulrooney DA, Liu W, Ehrhardt MJ, Salehabadi SM, Panoskaltsis-Mortari A, Srivastava D, Yasui Y, Hudson MM, Robison LL, Sabin ND, Krull KR. Associations between persistent inflammation and oxidative stress with neurocognitive impairment in long-term Hodgkin lymphoma survivors and community controls. ICCTF Annual Meeting, February 2019.
84. **Mulrooney DA**, Hyun G, Ness KK, Ehrhardt MJ, Yasui Y, Duprez DA, Howell R, Leisenring WM, Constine LS, Oeffinger KC, Gibson TM, Tonorezos E, Robison LL, Hudson MM, Armstrong GT. Cardiac events in survivors of childhood cancer treated in more recent eras: a report from the Childhood Cancer Survivor Study. ASCO Annual Meeting, May 2019. Role: First author. Poster presentation
85. Green DM, Wang M, Krasin MJ, Srivastava DK, Howell C, Jay DW, Ness KK, Greene W, Lanctot J, Shelton K, Davidoff A, Ehrhardt M, **Mulrooney DA**, Robison LL, Hudson MM. Renal function after treatment for childhood cancer: a report from the St. Jude Lifetime Cohort Study. Abstract # 10048. ASCO Annual Meeting, May 2019. *J Clin Oncol* 37, 2019 (suppl; abstr 10048).
86. Krull MR, Howell CR, Partin R, Carney G, **Mulrooney DA**, Robison LL, Hudson MM, Ness KK. Impact of protein supplementation on lean muscle mass in adult survivors of childhood cancer engaged in resistance training. ASCO Annual Meeting, May 2019.
87. Krull MR, Howell CR, Partin R, Carney G, **Mulrooney DA**, Robison LL, Hudson MM, Ness KK. Impact of protein supplementation on lean muscle mass in adult survivors of childhood cancer engaged in resistance training. North American Symposium on Late Complications After Childhood Cancer Annual Meeting, June 2019.

88. Van Dalen EC, Mulder RL, Kremer LCM, Hudson MM, Constine LS, Skinner R, Aune GJ, Bardi E, Benson BJ, Bergler-Klein J, Chen MH, Ehrhardt MJ, Frey E, Hennewig U, Lockwood L, Martinsson U, Muraca M, Plummer C, Scheinemann K, Schindera C, Suh E, Tonorezos ES, van der Pal HJ, Levitt G, **Mulrooney DA**. Coronary artery disease surveillance for childhood, adolescent and young adult cancer survivors- recommendations from the International Guideline Harmonization Group. North American Symposium on Late Complications after Childhood Cancer Annual Meeting, June 2019. Role: Senior author. Poster presentation
89. Mandrell BN, Lewis W, Ogg S, Wise M, **Mulrooney DA**, Robison LL, Hudson MM, Krull KR. A pilot study of sleep-related breathing disorders and hypersomnia in adult survivors of childhood Hodgkin lymphoma treated with thoracic radiation. Abstract # P84. North American Symposium on Late Complications after Childhood Cancer Annual Meeting, June 2019. Role: Senior author
90. Ehrhardt MJ, Howell CR, Hale K, Baassiri MJ, Rodriguez C, Wilson CL, Joshi SS, Lemond TC, Shope S, Howell RM, Wang Z, **Mulrooney DA**, Zhang J, Robison LL, Ness KK, Hudson MM. Breast cancer risk and detection in female childhood cancer survivors in the St. Jude Lifetime Cohort Study (SJLIFE). North American Symposium on Late Complications after Childhood Cancer, June 2019. Oral presentation.
91. Partin RE, Howell CR, Krull KR, Brinkman TM, Armstrong GT, Chemaitilly W, Wilson CL, **Mulrooney DA**, Gibson TM, Lanctot JQ, Johnson RE, Krull M, Shelton K, Srivastava DK, Robison LL, Hudson MM, Ness KK. Progression of frailty in young adult survivors of childhood cancer: St. Jude Lifetime Cohort. Abstract # 10057; poster # 439. ASCO Annual Meeting, May 2019. *J Clin Oncol* 37, 2019 (suppl; abstr 10057).
92. **Mulrooney DA**, Hyun G, Ness KK, Ehrhardt MJ, Yasui U, Duprez DA, Howell R, Leisenring WM, Constine LS, Oeffinger KC, Gibson TM, Tonorezos E, Robison LL, Hudson MM, Armstrong GT. Reduction in cardiac events for survivors of childhood cancer treated in more recent eras: a report from Childhood Cancer Survivors Study (NASLCCC). North American Symposium on Late Complications after Childhood Cancer, June 2019. Oral presentation. Role: First author
93. Partin RE, Howell CR, Krull KR, Brinkman TM, Armstrong GT, Chemaitilly W, Wilson CL, **Mulrooney DA**, Gibson TM, Lanctot JQ, Johnson RE, Krull M, Shelton K, Srivastava DK, Robison LL, Hudson MM, Ness KK. Progression of frailty in young adult survivors of childhood cancer: St. Jude Lifetime Cohort. North American Symposium on Late Complications after Childhood Cancer, June 2019. Oral presentation.
94. Ehrhardt M, Howell C, Hale K, Baassiri M, Rodriguez C, Wilson CL, Joshi S, Lemond T, Shope S, Howell R, Wang Z, Srivastava DK, **Mulrooney DA**, Zhang J, Robison LL, Ness KK, Hudson, MM. Subsequent breast cancer in female childhood cancer survivors in the St. Jude Lifetime Cohort Study (SJLIFE). North American Symposium on Late Complications after Childhood Cancer, June 2019. Oral presentation.
95. Ehrhardt M, Chen Y, Sandlund J, Bluhm E, Hayashi R, Beckett K, Leisenring W, Metzger M, Ness KK, Krull K, Oeffinger K, Gibson TM, Cairo M, Gross T, Robison LL, Armstrong GT, Yasui Y, Hudson MM, **Mulrooney DA**. Late health outcomes following contemporary Lymphome Malin De Burkitt therapy for Mature B-Cell Non-Hodgkin Lymphoma: A report from The Childhood Cancer Survivor Study. North American Symposium on Late

Complications after Childhood Cancer, June 2019. Role: Senior author.

96. Im C, Howell CR, Sapkota Y, Moon WJ, Chemaitilly W, Gibson TM, **Mulrooney DA**, Ness KK, Wilson CL, Wang Z, Hudson MM, Robison LL, Yasui Y. The generalizability of general-population GWAS hits in childhood cancer survivors: An analysis of 12 anthropometric and cardiometabolic phenotypes in the St. Jude Lifetime Cohort Study (SJLIFE). North American Symposium on Late Complications after Childhood Cancer, June 2019. Oral presentation.
97. Sapkota Y, Liu Q, Shelton KC, Wang X, Wilson CL, Wang Z, **Mulrooney DA**, Jefferies JL, Oeffinger KC, Morton LM, Zhang J, Armstrong GT, Bhatia S, Hudson MM, Robison LL, Yasui Y. Genome-wide association study using whole-genome sequencing to identify a novel locus associated with cardiomyopathy risk in adult survivors of childhood cancer: Utility of a two-stage analytic approach. Abstract # 1516; poster # 10. ASCO Annual Meeting, June 2019. *J Clin Oncol* 37, 2019 (suppl; abstr 1516).
98. **Mulrooney DA**, van Dalen EC, Aune GJ, Bardi E, Benson BJ, Bergler-Klein J, Chen MH, Ehrhardt MJ, Frey E, Hennewig U, Lockwood L, Martinsson U, Muraca M, Plummer C, Scheinemann K, Schindera C, Suh E, Tonorezos ES, van der Pal HJ, Constine LS, Skinner R, Mulder RL, Kremer LCM, Hudson MM, Levitt G. Coronary artery disease surveillance for childhood, adolescent and young adult cancer survivors- recommendations from the International Guideline Harmonization Group. 52nd SIOP Congress, October 2019. Role: First author. Poster presentation
99. Sapkota Y, **Mulrooney DA**, Armstrong GT, Wilson CL, wang Z, Zhang J, Hudson MM, Robison LL, Yasui Y. Novel loci linked to impaired ejection fraction and risk if cardiomyopathy among childhood cancer survivors of African descent: a report from the St. Jude Lifetime Cohort. ASHG Annual Meeting, October 2019. Poster presentation
100. Ghosh T, Chen Y, Dietz AC, Armstrong GT, Howell R, **Mulrooney DA**, Turcotte LM, Yuan Y, Yasui Y, Neglia JP. Lung cancer as a subsequent neoplasm: a report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting, June 2020. Poster presentation
101. Lubas M, Wang M, Jefferies JL, Ness K, Ehrhardt MM, Krull KR, **Mulrooney DA**, Srivastava DK, Robison LL, Hudson MM, Armstrong GT, Brinkman TM. Emotional distress, stress, and cardiovascular health in adult survivors of childhood cancer. ASCO Annual Meeting, June 2020. Poster presentation
102. Gunturkun F, Davis RL, Armstrong G, Jefferies FL, Ness K, Green DM, Lucas JT, Srivastava D, Hudson MM, Robison LL, **Mulrooney DA**, Soliman EZ, Karabayir I, Akbilgic O. Deep learning for improved prediction of late-onset cardiomyopathy among childhood cancer survivors: a report from the St. Jude Lifetime Cohort (SJLIFE). ASCO Annual Meeting, June 2020. Poster presentation. *J Clin Oncol* 38: 2020 (suppl; abstr 10545).
103. Sapkota Y, Qin N, Ehrhardt MJ, Wang Z, Wilson CL, Estep J, Rai P, Hankins JE, Burrige P, Jefferies JL, Zhang Z, Hudson MM, Robison LL, Armstrong GT, **Mulrooney DA**, Yasui Y. Cardiomyopathy risk among childhood cancer survivors of African ancestry and its molecular mechanisms. ASCO Annual Meeting, June 2020. Poster presentation

104. Huang I-C, Ehrhardt MJ, Liu W, Li C, **Mulrooney DA**, Chemaitilly W, Srivastava D, Armstrong GT, Robison LL, Hudson MM, Krull KR. Longitudinal symptoms predict future clinically assessed chronic health conditions (CHCS) in adult survivors of childhood cancer: a follow-up study over two decades. 52nd SIOF Annual Congress, October 2020.
105. Alberts NM, Tonning-Olsson I, Li C, Ehrhardt MJ, **Mulrooney DA**, Liu W, Pappo AS, Bishop MW, Anghelescu DL, Srivastava DK, Robison LL, Hudson MM, Ness KK, Krull KR, Brinkman TM. Pain and functional outcomes in adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort Study. 52nd SIOF Annual Congress, October 2020.
106. Bass JK, Liu W, Banerjee P, Brinkman T, **Mulrooney D**, Gajjar A, Pappo AS, Merchant TE, Armstrong GT, Srivastava DK, Robison LL, Hudson MM, Krull KR. The effect of hearing impairment on neurocognition in survivors of childhood cancer: a report from the St. Jude Lifetime Cohort Study. 52nd SIOF Annual Congress, October 2020.
107. Krull KR, Liu W, **Mulrooney DA**, Ness KK, Metzger ML, Krasin MJ, Ehrhardt MJ, Banerjee P, Lanctot JQ, Srivastava D, Robison LL, Hudson MM, Mandrell BN. Obstructive sleep apnea in long-term survivors of Hodgkin lymphoma: a report from the St. Jude Lifetime Cohort Study. 52nd SIOF Annual Congress, October 2020.
108. Bhatt NS, Goodman P, Leisenring WM, Armstrong GT, Chow EJ, Hudson MM, Krull KR, Nathan PC, Oeffinger KC, Robison LL, Kirchhoff AC, **Mulrooney DA**. Health-Related Unemployment Trends Among Survivors of Childhood Cancer: a report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting, June 2021. Role: Senior author. Poster presentation
109. Wu NL, Chen Y, Dieffenbach BV, Li N, Ehrhardt MJ, Green DM, Hingorani S, Howell RM, Jefferies JL, **Mulrooney DA**, Oeffinger KC, Robison LL, Weil BR, Yuan Y, Yasui Y, Hudson MM, Leisenring WM, Armstrong GT, Chow EJ. Development and validation of a prediction model for kidney failure in long-term survivors of childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS). Abstract # 10047. ASCO Annual Meeting. Chicago, IL. June 2021. *J Clin Oncol* 39, 2021 (suppl 15; abstr 10047).
110. Noyd DH, Li N, Yasui Y, Chow EJ, Bhatia S, Gibson TM, Landstrom AP, Gilchrist SC, Tonorezos E, Zullig LL, Casillas J, Berkman A, Ness KK, **Mulrooney DA**, Leisenring WM, Howell C, Shoag J, Kirchhoff A, Howell R, Nathan P, Armstrong GT, Oeffinger KC. Disparities in cardiovascular risk factors by race/ethnicity among adult survivors of childhood cancer: a report from the Childhood Cancer Survivorship Study (CCSS). ASCO Annual Meeting, June 2021. *J Clin Oncol* 39, 2021 (suppl 15; abstr 10017).
111. Williams AL, Mandelblatt J, Wang M, Ness KK, Armstrong GT, Bhakta N, Brinkman T, Chemaitilly W, Ehrhardt MJ, **Mulrooney DA**, Small B, Wang Z, Yasui Y, Srivastava DK, Hudson MM, Robison LL, Krull KR. Accelerated aging and mortality in long-term survivors of childhood cancer: a report from the St. Jude Lifetime Cohort (SJLIFE). ASCO Annual Meeting, June 2021.
112. Wogksch MD, Wolcott BT, O'Neil ST, Sketch AE, Nolan VG, Smeltzer MP, Mzayek F, Armstrong GT, **Mulrooney DA**, Ehrhardt MJ, Jefferies JL, Srivastava DK, Robison LL, Hudson MM, Ness KK. Fitness, cardiovascular disease and mortality in childhood cancer survivors: a St. Jude Lifetime Cohort. ACSM Annual Meeting, June 2021.

113. Foster KL, Green DM, Mirzaei SS, Xing M, Ness KK, Krull KR, Brinkman TM, Ehrhardt MJ, Chemaitilly W, Dixon SB, Bhakta N, Brennan RC, Krasin MJ, Davidoff AM, Robison LL, Hudson MM, **Mulrooney DA**. Late health outcomes in survivors of wilms tumor: a report from the St. Jude Lifetime Cohort (SJLIFE) Study. ASCO Annual Meeting, June 2021. Role: Senior author. Poster presentation. *J Clin Oncol* 39, 2021 (suppl 15; abstr 10038).
114. Alexander T, Liu W, Dixon SB, Williams AL, Chemaitilly W, **Mulrooney DA**, Ness KK, Brinkman T, Banerjee P, Srivastava DK, Robison LL, Hudson MM, Krull KR. Effects of metabolic syndrome on cognitive outcomes in long-term survivors of childhood cancer. ASCO Annual Meeting, June 2021. Oral presentation. *J Clin Oncol* 39, 2021 (suppl 15; abstr 12013).
115. Im C, Stokes DC, Krasin MJ, Davidoff AM, Green DM, Austin ED, Yuan Y, Wilson CL, Sapkota Y, Ness KK, Hudson MM, Robison LL, **Mulrooney DA**, Yasui Y. Predicting risk for late restrictive lung defects in survivors of childhood cancer. ASHG Annual Meeting, October 2021. Poster presentation
116. Banerjee P, Liu W, Alexander T, Phillips NS, Williams AM, **Mulrooney DA**, Ehrhardt MJ, Brinkman TM, Ness KK, Srivastava D, Robison LL, Hudson MM, Krull KR. Late neurocognitive decline in adult survivors of childhood cancer: a report from the St. Jude Lifetime Cohort Study. INS Annual Meeting, February 2022. Oral presentation
117. Gunturkun F, **Mulrooney DA**, Davis RL, Armstrong G, Jeffries JL, Karabayir I, Yasui Y, Ehrhardt M, Srivastava K, Hudson M, Akbilgic O. Artificial intelligence to predict late onset cardiomyopathy among childhood cancer survivors using electrocardiogram, echocardiogram, and clinical data. AHA-QCOR Scientific Sessions. May 2022. Oral presentation. *Circ Cardiovasc Qual Outcomes*. 2022;15(Suppl_1):A212.
118. Bhatt NS, Goodman PJ, Leisenring WM, Armstrong GT, Chow EJ, Hudson MM, Krull KR, Nathan PC, Oeffinger KC, Robison LL, Kirchhoff AC, Mulrooney DA. The relationship between chronic health conditions and employment transitions among survivors of childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS). Abstract # 10051. ASCO Annual Meeting, June 2022. Poster presentation. *J Clin Oncol* 40, 2022 (suppl 16; abstr 10051).
119. Ehrhardt MJ, Liu Q, Jefferies JL, **Mulrooney DA**, Sapkota Y, Goldberg J, Dixon SB, Lucas JT, Ness KK, Srivastava DK, Mazur W, Plana JC, Gomez C, Robison LL, Yasui Y, Hudson MM, Armstrong GT. Associations between global longitudinal strain (GLS), N-terminal-prohormone brain natriuretic peptide (NT-proBNP) and subsequent cardiomyopathy (CM) in a clinically assessed cohort of childhood cancer survivors exposed to cardiotoxic therapy. Abstract # 10052. ASCO Annual Meeting, June 2022. Poster presentation. *J Clin Oncol* 40, 2022 (suppl 16; abstr 10052).
120. Bhatt NS, Goodman P, Leisenring WM, Armstrong GT, Chow EJ, Hudson MM, Krull KR, Nathan PC, Oeffinger KC, Robison LL, Kirchhoff AC, Mulrooney DA. Chronic health conditions lead to negative employment transitions among survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting, June 2022. Poster presentation. Role: Senior author. *J Clin Oncol* 40, 2022 (suppl 16; abstr 10051).

121. Ehrhardt MJ, Liu Q, Dixon SB, Caron E, Redd D, Shelton KC, Bhakta N, **Mulrooney DA**, Brinkman TM, Huang IC, Chemaitilly W, Delaney A, Zaidi A, Armstrong GT, Srivastava DK, Ness KK, Robison LL, Yasui Y, Hudson MM. Modifiable risks factors (MRFs) and late mortality in the St. Jude Lifetime Cohort (SJLIFE). ISLCCC Conference, July 2022. Oral presentation.
122. Ehrhardt MJ, Liu Q, Jefferies JL, **Mulrooney DA**, Sapkota Y, Goldberg J, Dixon SB, Lucas JT, Ness KK, Srivastava DK, Mazur W, Plana JC, Gomez C, Robison LL, Yasui Y, Hudson MM, Armstrong GT. Associations between global longitudinal strain (GLS), N-terminal-prohormone brain natriuretic peptide (NT-proBNP) and subsequent cardiomyopathy (CM) in a clinically assessed cohort of childhood cancer survivors exposed to cardiotoxic therapy. Abstract # 010. ISLCCC Conference, July 2022.
123. Ehrhardt MJ, Liu Q, Dixon SD, Caron E, Redd D, Shelton KC, Bhakta N, **Mulrooney DA**, Brinkman TM, Huang IC, Chemaitilly W, Delaney A, Zaidi A, Armstrong GT, Srivastava DK, Ness KK, Robison LL, Yasui Y, Hudson MM. Modifiable Risk Factors (MRF) and late mortality in the St. Jude Lifetime Cohort (SJLIFE). Abstract # 014. ISLCCC Conference, July 2022.
124. Bhatt NS, Goodman P, Leisenring WM, Armstrong GT, Chow EJ, Hudson MM, Krull KR, Nathan PC, Oeffinger KC, Robison LL, Kirchoff AC, Mulrooney DA. Chronic health conditions lead to negative employment transitions among survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). Abstract # 060. ISLCCC Conference, July 2022.
125. Wu NL, Chen Y, Math M, Dieffenbach BV, Li N, Ehrhardt MJ, Hingorani S, Howell RM, Jefferies JL, **Mulrooney DA**, Oeffinger KC, Robison LL, Weil BR, Yuan Y, Yasui Y, Hudson MM, Leisenring WM, Armstrong GT, Chow EJ. Development and validation of a prediction model for kidney failure in long-term survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). Abstract # 073. ISLCCC Conference, July 2022.
126. Ehrhardt MJ, Liu Q, Dixon SB, Caron E, Redd D, Shelton KC, Bhakta N, **Mulrooney DA**, Brinkman TM, Huang IC, Chemaitilly W, Delaney A, Zaidi A, Armstrong GT, Srivastava DK, Ness KK, Robison LL, Yasui Y, Hudson MM. Modifiable risks factors (MRFs) and late mortality in the St. Jude Lifetime Cohort (SJLIFE). 54th SIOP Congress, September-October 1, 2022. Oral presentation.
127. Ware ME, Delaney A, Krull KR, Brinkman TM, Armstrong GT, Wilson CL, **Mulrooney DA**, Wang Z, Lanctot JQ, Krull MK, Partin RE, Shelton KC, Srivastava DK, Hudson MM, Robison L, Ness KK. Cancer-related worry as a predictor of 5-year physical activity level in childhood cancer survivors. Abstract # 1130. 54th SIOP Congress, September 2022.
128. Ehrhardt MJ, Liu Q, Dixon SB, Caron E, Redd D, Shelton KC, Bhakta N, **Mulrooney DA**, Brinkman TM, Huang IC, Chemaitilly W, Delaney A, Zaidi A, Armstrong GT, Srivastava DK, Ness KK, Robison LL, Yasui Y, Hudson MM. Modifiable risk factors (MRF) and late mortality in the St. Jude Lifetime Cohort. 54th SIOP Congress, September 2022. Oral presentation.
129. Gunturkun F, **Mulrooney DA**, Davis RL, Armstrong G, Jeffries JL, Karabayir I, Yasui Y, Ehrhardt M, Srivastava K, Hudson M, Akbilgic O. Artificial intelligence to predict late onset

cardiomyopathy among childhood cancer survivors using electrocardiogram, echocardiogram, and clinical data. AHA 2022 Congress, November 5-7, 2022.

130. Ehrhardt MJ, Liu Q, Jefferies JL, **Mulrooney DA**, Sapkota Y, Goldberg J, Dixon SB, Lucas JT, Ness KK, Srivastava DK, Mazur W, Plana JC, Gomez C, Robison LL, Yasui Y, Hudson MM, Armstrong GT. Associations between global longitudinal strain (GLS), N-terminal-prohormone brain natriuretic peptide (NT-proBNP) and subsequent cardiomyopathy (CM) in a clinically assessed cohort of childhood cancer survivors exposed to cardiotoxic therapy. Poster #28. 2022 St. Jude Children's Research Hospital Faculty/Postdoctoral Poster Session, November 17, 2022.

C. Abstracts Accepted for Publication

D. Abstracts Submitted for Review

1. Chen C, Qin N, Wang H, Song N, Howell R, Mulder HL, Easton J, Zhang J, Ness KK, Hudson MM, Robison LL, Yasui Y, Wang H, **Mulrooney DA**, Wang Z. Pathogenic germline variants in DNA repair genes and cardiac outcomes among long-term survivors of childhood cancer. 54th SIOF Congress, September 2022. Submitted.
2. Wu NL, Chen Y, Math M, Dieffenbach BV, Li N, Ehrhardt MJ, Hingorani S, Howell RM, Jefferies JL, **Mulrooney DA**, Oeffinger KC, Robison LL, Weil BR, Yuan Y, Yasui Y, Hudson MM, Leisenring WM, Armstrong GT, Chow EJ. Development and validation of a prediction model for kidney failure in long-term survivors of childhood cancer: a report from the Childhood Cancer Survivor Study (CCSS). ASHG Annual Meeting, October 2022. Submitted.
3. Johnson JN, Merlocco A, Goode C, Towbin JA, Hudson MM, **Mulrooney DA**. Prevalence of left ventricular non-compaction diagnosed by cardiovascular magnetic resonance in children and young adults with chemotherapy induced cardiomyopathy. Society of Cardiovascular Magnetic Resonance. 2022. Role: Senior author. Submitted.
4. Chen C, Dong Q, Qin N, Song N, Easton J, Mulder HL, Walker E, Neale G, Finch ER, Li Q, Yasui Y, **Mulrooney DA**, Hudson MM, Ness KK, Zhang J, Chen X, Wang H, Robison LL, Wang Z. Monocyte-specific epigenetic age acceleration and cardiomyopathy risk among survivors of childhood cancer. AACR Annual Meeting. Orlando, FL. April 14-19, 2023. Submitted.
5. Navarrete M, **Mulrooney DA**, Flerlage J, Hudson MM, Krull KR. Sleep in adult survivors of pediatric Hodgkin Lymphoma with non-clinical sleep problems. 8th International Cognition & Cancer Task Force Conference. San Diego, CA. January 30-31, 2023. Submitted.

16. Other Creative Products

A. Blogs

1. Schapira L, **Mulrooney DA**. Addressing the mental health needs of adolescent and young adult cancer survivors. ASCO Connection. Guest Commentary. March 26, 2021. <https://connection.asco.org/blogs/addressing-mental-health-needs-adolescent-and-young-adult-cancer-survivors>

B. Podcasts

1. Mulrooney DA. Studies in childhood Ewing sarcoma and neuroblastoma. 2022 ASCO Annual Meeting Research Round Up: New Research in Lung Cancer, Lymphoma, and Childhood Cancers. September 15, 2022. <https://www.cancer.net/blog/2022-09/2022-asco-annual-meeting-research-round-new-research-lung-cancer-lymphoma-and-childhood-cancers>

C. Interviews

1. Julious B. Ask the Doctor. Cancer Wellness. July 1, 2020. <https://cancerwellness.com/mind-body/ask-the-doctor-issue-6/?fbclid=IwAR1xbXb-0fzF0aKi0Nq7iYFmtgRCTpiJrX-3HcxUKdlmMe2hKyCD7kx3Rjs>
2. DiGiulio S. 3 Questions on... Late Cardiovascular Outcomes in Childhood Cancer Survivors With DANIEL MULROONEY, MD, MS, of St. Jude Children's Research Hospital. Oncology Times. 2016 Jun 10;38(11):42. https://journals.lww.com/oncology-times/Fulltext/2016/06100/3_Questions_on_Late_Cardiovascular_Outcomes_in.24.aspx