

NOAH D. SABIN, M.D., J.D.
St. Jude Children's Research Hospital
262 Danny Thomas Place
Mail Stop 220
Memphis, TN 38105
(901) 595-6526 or (561) 632-8690
noah.sabin@stjude.org

1. Current Position

Associate Member, Department of Diagnostic Imaging St. Jude Children's Research Hospital Memphis, TN 38105	09/2016 - Present
--	-------------------

2. Education and Training

A.B. in Psychology, Columbia College of Columbia University, New York, NY	05/1985
J.D., Boston College Law School, Newton, MA	05/1991
M.D., State University of New York at Buffalo, Buffalo, NY	06/1997
Internship, Abington Memorial Hospital, Abington, PA	07/1997-06/1998
Radiology Residency, Albert Einstein College of Medicine, Bronx, NY	07/1998-06/1999
	07/2000-06/2003
Neuroradiology Fellowship, Mount Sinai Medical Center, New York, NY	07/2003-06/2004

3. Professional Career

Radiologist Florida United Radiology Fort Lauderdale, Florida	07/2004-03/2005
Radiologist Midtown Imaging West Palm Beach, FL	04/2005-03/2006 12/2006-03/2007
Radiologist Palm Beach Radiology Professionals Atlantis, FL	11/2007-05/2008
Locum Tenens Radiologist Multiple Assignments Nationwide	04/2006-02/2009
Assistant Member Department of Diagnostic Imaging Division of Neuroradiology St. Jude Children's Research Hospital Memphis, TN 38105	03/2009-09/2016

4. Certifications and Licensure

Diplomate, American Board of Radiology	2004
CAQ in Neuroradiology, American Board of Radiology	2009
State Medical Licenses, Active: TN (11/2021), FL (01/2022)	

5. Professional Memberships

Radiological Society of North America	09/1998-present
American Society of Neuroradiology (Senior Member)	10/2003-present
American College of Legal Medicine (Fellow)	10/2005-present
American Society of Pediatric Neuroradiology	06/2009-present
Southeastern Neuroradiological Society	10/2011-present
Education Ad Hoc Committee	11/2022-present
International Society for Magnetic Resonance in Medicine	11/2017-present

6. Institutional and Committee Assignments

Ethics Committee	11/2009-01/2018
Safety Committee	11/2014-01/2016
Credentials Committee (Vice Chair)	11/2016-present
Medical Records/Utilization Review Committee	11/2017-06/2020
Clinical Trials-Scientific Review Committee	03/2020-present
St. Jude Pediatric Biomedical Imaging Initiative	
Planning Committee	08/2019-present
Co-Chair	08/2022-present

7. Institutional/Departmental Leadership

Epic/iGNITE – Coordinated the preparation for and implementation of the institution's new electronic medical record system for the Department of Diagnostic Imaging. Continue work on maintaining and improving the platform.	12/2021-present
Diagnostic Imaging Expert/Consultant for St. Jude Global Asia Pacific Tumor Board	6/2022-present
Neuroradiology consultant - St. Jude Global Retinoblastoma Tumor Board Working Group	10/2022-present

8. Cooperative Group Activities

Children's Oncology Group	10/2009-present
Diagnostic Imaging Central Reviewer for multiple protocols	
International Guideline Harmonization Group	07/2014-08/2020
Subsequent CNS Neoplasm Surveillance Harmonization	
Goal: To establish a common vision and integrated strategy for the surveillance of late adverse effects in childhood, adolescent and young adult cancer survivors.	
Role: Member	
Working Group on surveillance modalities.	
International Guideline Harmonization Group	07/2019-present
Guideline for Neurocognition	
Goal: To establish a common vision and integrated strategy for the surveillance of late adverse effects in childhood, adolescent and young adult cancer survivors.	
Role: Member	
Working Group on surveillance modalities	

9. Formal Education/Teaching Activities

Teaching radiology residents in neuroradiology reading room	03/2009-present
Lectures on neuroradiology topics for radiology residents	01/2011-present

Faculty Participant – Pediatric Oncology Education (POE) Program: 05/2014-07/2014
Mentored an undergraduate medical student in neuroradiology research.

Clinical Mentor - Postdoctoral Clinical Shadowing Program (PCSP): 05/2015-07/2015
Mentored a lab-based postdoctoral fellow with an interest in brain tumors, in particular pediatric high-grade gliomas, including diffuse intrinsic pontine gliomas. The fellow was interested in neuroimaging tools for tumor characterization.

10. Grant Awards

A. Active Grants:

5 R01CA215405-01A1 (PIs: Krull, Mandrell) 08/01/2017-07/31/2023
NIH-NCI Direct Cost: \$412,751.00/year
Indirect Cost: \$245,094.00/year
Sleep Apnea in Survivors of Childhood Cancer Treated with Thoracic Radiation
To identify prevalence and predictors of obstructive sleep apnea in a large cohort of Hodgkin lymphoma survivors at risk for cardiac and pulmonary morbidity. The study will also examine cognitive, brain and cardiac outcomes based on sleep apnea risk.
Role: Co-Investigator Percent effort: 4%

R01 CA239630 (PIs: Brinkman, Krull) 05/01/2019 – 10/30/2024
NIH-NCI
Requested Amount: Direct = \$1,863,767 total project; Indirect = \$1,411,576 total project
Neurostimulation in Adult Survivors of Childhood Leukemia
To evaluate the efficacy of home-based transcranial direct current stimulation (tDCS) paired with remote cognitive training on executive function in survivors of ALL and to examine its effects on white matter integrity and structure.
Role: Co-Investigator Percent Effort: 3%

B. Completed Grants:

R01 CA174794 Supplement (PIs: Krull, Sabin) 07/2014 – 07/2015
NIH-NCI
Brain Integrity in Survivors of Childhood Cancer Treated with Thoracic Radiation
To estimate the prevalence and pattern of sleep disturbance in adult survivors of childhood cancer treated with thoracic radiation therapy through nighttime polysomnography and multiple sleep latency examinations.
Role: Co-Principal Investigator Percent effort: No additional effort (supplement to 5 R01CA174794)

St. Jude Children's Research Hospital/Noah D. Sabin 03/2010–02/2015
NIH COG Chair Grant – U10CA098543 Direct Cost: \$1,000.00
Indirect Cost: \$200.00
Grant for diagnostic imaging review of studies for Children's Oncology Group study of ependymomas.
Role: Principal Investigator

5 R01CA174794-02 (PIs: Krull, Sabin) 04/2013-03/2019
NIH-NCI Direct Cost: \$349,525/year
Indirect Cost: \$256,253/year
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, identify therapeutic factors associated with brain integrity in adult survivors at risk for cardiac and pulmonary morbidity, to examine associations between cardiac, vascular and pulmonary health and brain integrity in those survivors.
Role: Co-Principal Investigator

Diagnostic Imaging Review: NIH National Clinical Trials Network (NCTN) Grant (U10CA180886) successor to NIH COG Chair Grant (U10CA098543) Role: Principal Investigator	03/2019-03/2020 Direct Cost: \$252/year Indirect Cost: \$50/year
2 U10CA180886 (CHOP SUB) (Sabin) NCI Diag. Image Rev-COG Chair Grant Reviewer Reviewer of Children's Oncology Group (COG) Protocol ACNS1422. Role: Principal Investigator	03/01/2020–02/28/2021 Direct Cost: \$259/year Indirect Cost: \$51/year
U01 CA195547 (PIs: Hudson, Robison) NIH-NCI Indirect Cost: \$256,253/year The St. Jude Lifetime Cohort To expand eligibility of the SJLIFE cohort to include a clinically well-characterized cohort of five-year survivors, to undertake uniform medical assessments in all cohort participants, to establish a resource for the conduct of innovative intervention-based research, and to develop innovative methodologies to maintain the SJLIFE cohort Role: Co-Investigator Percent effort: 10%	07/2020-08/2022 Direct Cost: \$349,525/year
T32 CA225590 (PI: Krull) Training in Pediatric Cancer Survivorship Outcomes and Interventions National Cancer Institute Grant for training researchers in pediatric survivorship outcomes and interventions. Role: Mentor Percent effort: 1%	04/01/2018 - 03/31/2023 Amount: \$260,810/year

11. Clinical Trials Involvement

ACNS0121: A Phase II Trial of Conformal Radiation Therapy for Pediatric Patients with Localized Ependymoma, Chemotherapy Prior to Second Surgery for Incompletely Resected Ependymoma and Observation for Completely Resected, Differentiated, Supratentorial Ependymoma St. Jude Children's Research Hospital and multiple other institutions Role: Collaborator/Central Reviewer	08/2003-11/2007
SJYC07: Risk-Adapted Therapy for Children Less Than 3 Years of Age With Embryonal Brain Tumors, Choroid Plexus Carcinoma or Ependymoma St. Jude Children's Research Hospital Role: Collaborator	11/2007-present
NEULS: Risk of Psychopathology and Neurocognitive Impairment in Leukemia Survivors St. Jude Children's Research Hospital Role: Collaborator	12/2008-11/2014
CNSRI: Long-Term Treatment Related CNS Injury in Survivors of Childhood Acute Lymphoblastic Leukemia St. Jude Children's Research Hospital Role: Collaborator	05/2010-06/2012
RT2CR: A Phase II Trial of Limited Surgery and Proton Therapy for Craniopharyngioma and Observation for Craniopharyngioma after Radical Resection St. Jude Children's Research Hospital/Univ. of FL Proton Therapy Institute Role: Collaborator	08/2011-present
SJMB12: A Clinical and Molecular Risk-Directed Therapy for Newly Diagnosed Medulloblastoma St. Jude Children's Research Hospital and multiple other institutions Role: Collaborator	06/2013-present

BRIGHT: Brain Integrity in Survivors of Hodgkin Lymphoma Treated with Thoracic Radiation St. Jude Children's Research Hospital Role: Co-Principal Investigator	03/2013-03/2019
FACES: Social Cognition and Brain Integrity in Survivors of Pediatric Medulloblastoma St. Jude Children's Research Hospital Role: Collaborator	04/2016-present
RT3CR: A Phase II Trial of Intensity-Modulated Proton Therapy for Incompletely Resected Craniopharyngioma and Observation for Craniopharyngioma after Radical Resection St. Jude Children's Research Hospital Role: Collaborator	06/2016-present
APNEA: Obstructive Sleep Apnea in Survivors of Hodgkin Lymphoma Treated with Thoracic Radiation St. Jude Children's Research Hospital Role: Collaborator	01/2018-present
NEUROSTIM: Neurostimulation in Adult Survivors of Childhood Acute Lymphoblastic Leukemia (ALL) St. Jude Children's Research Hospital Role: Collaborator	05/2019-present
HLHRUXO: Ruxolitinib Therapy for HLH St. Jude Children's Research Hospital Role: Collaborator	01/2021-present
QARIN1: Quantitative Assessment of Radiation-induced Neuroinflammation – A proof of principle Study Role: Collaborator	01/2022-present
SJIMB21: Phase 2 Study of Molecular and Clinical Risk-Directed Therapy for Infants and Young Children with Newly Diagnosed Medulloblastoma Role: Collaborator	09/2022-present
ISTAR: Phase 1b Trial of Idasanutlin and Selinexor Therapy for Children with Progressive/Relapsed Atypical Teratoid Rhabdoid Tumors, Extra-CNS Malignant Rhabdoid Tumors or Synchronous/Metachronous Rhabdoid Tumors Role: Collaborator	Beginning mid 2023

12. Publication Record

A. Peer Reviewed Publications

i. Original Research Articles (Published):

1. Löbel U, Sedlacik J, **Sabin ND**, Kocak M, Broniscer A, Hillenbrand CM, Patay Z. Three-dimensional Susceptibility-Weighted Imaging and Two-Dimensional T2*-Weighted Gradient-Echo Imaging of Intratumoral Hemorrhages in Pediatric Diffuse Intrinsic Pontine Glioma. *Neuroradiology* 2010 Dec;52(12):1167-77. PMID: 20878319
2. Krull KR, Khan RB, Ness KK, Ledet D, Zhu L, Pui CH, Howard SC, Srivastava DK, **Sabin ND**, Hudson MM, Morris EB. Symptoms of attention-deficit/hyperactivity disorder in long-term survivors of childhood leukemia. *Pediatr Blood Cancer* 2011 Dec;57(7):1191-6. PMID: 21280202

3. Qaddoumi I, Carey SS, Conklin H, Jenkins J, **Sabin N**, Boop F, Pal-Panandiker A, Baker J, Wright K, Broniscer A, Gajjar A. Characterization, Treatment, and Outcome of Intracranial Neoplasms in the First 120 Days of Life. *J Child Neurol* 2011 Aug;26(8):988-94. PMID: 21532007
4. Cheuk DK, **Sabin ND**, Hossain M, Wozniak A, Naik M, Rodriguez-Gallardo C, Krasin MJ, Shulkin BL. PET/CT for staging and follow-up of pediatric nasopharyngeal carcinoma. *Eur J Nucl Med Mol Imaging* 2012 Jul;39(7):1097-106. PMID: 22532252
5. Brinkman TM, Reddick WE, Luxton J, Glass JO, **Sabin ND**, Srivastava DK, Robison LL, Hudson MM, Krull KR. Cerebral white matter integrity and executive function in adult survivors of childhood medulloblastoma. *Neuro Oncol* 2012 Sep;14 Suppl4:iv25-36. PMID: 23095827
6. Krull KR, **Sabin ND**, Reddick WE, Zhu L, Armstrong GT, Green DM, Arevalo AR, Krasin MJ, Srivastava DK, Robison LL, Hudson MM. Neurocognitive Function and Central Nervous System Integrity in Adult Survivors of Childhood Hodgkin Lymphoma. *J Clin Oncol* 2012 Oct 10;30(29):3618-24. PMID: 22949149
7. Perko R, Harreld JH, Helton KJ, **Sabin ND**, Haidar CE, Wright KD. What goes around comes around? Wernicke encephalopathy and the nationwide shortage of intravenous multivitamins revisited. *J Clin Oncol* 2012 Nov 1;30(31):e318-20. PMID: 23008290
8. **Sabin ND**, Merchant TE, Harreld JH, Patay Z, Klimo P Jr., Qaddoumi I, Armstrong GT, Wright K, Gray J, Indelicato DJ, Gajjar A. Imaging Changes in Very Young Children with Brain Tumors Treated with Proton Therapy and Chemotherapy. *AJNR Am J Neuroradiol* 2013 Feb;34(2):446-50. PMID: 22821924
9. Armstrong GT, Reddick WE, Petersen RC, Santucci A, Zhang N, Srivastava D, Ogg RJ, Hillenbrand C, **Sabin N**, Krasin MJ, Kun L, Pui CH, Hudson MM, Robison LL, Krull KR. Evaluation of Memory Impairment in Aging Adult Survivors of Childhood Acute Lymphoblastic Leukemia Treated With Cranial Radiotherapy. *J Natl Cancer Inst* 2013 Jun;105(12):899-907. PMID: 23584394
10. Edelmann MN, Ogg RJ, Scoggins MA, Brinkman TM, **Sabin ND**, Pui CH, Srivastava DK, Robison LL, Hudson MM, Krull KR. Dexamethasone Exposure and Memory Function in Adult Survivors of Childhood Acute Lymphoblastic Leukemia: A Report from the SJLIFE Cohort. *Pediatr Blood Cancer* 2013 Nov;60(11):1778-84. PMID: 23775832
11. Gupta K, Harreld JH, **Sabin ND**, Qaddoumi I, Kurian K, Ellison DW. Massively Calcified Low-Grade Glioma - A Rare and Distinctive Entity. *Neuropathol Appl Neurobiol* 2014 Feb;40(2):221-4. PMID: 23927783
12. Broniscer A, Tatevosian RG, **Sabin ND**, Klimo P Jr, Dalton J, Lee R, Gajjar A, Ellison DW. Clinical, Radiological, Histological, and Molecular Characteristics of Paediatric Epithelioid Glioblastoma. *Neuropathol Appl Neurobiol* 2014 Apr;40(3):327-36. PMID: 24127995
13. **Sabin ND**, Santucci A, Klimo P Jr, Hudson MM, Srivastava DK, Zhang N, Kun LE, Krasin MJ, Pui CH, Patay Z, Reddick WE, Ogg R, Hillenbrand C, Robison LL, Krull KR, Armstrong GT. Incidental Detection of Late Subsequent Intracranial Neoplasms with Magnetic Resonance Imaging Among Adult Survivors of Childhood Cancer. *J Cancer Surviv* 2014 Sep;8(3):329-35. PMID: 24488818
14. Bhojwani D, **Sabin ND**, Pei D, Yang JJ, Khan RB, Panetta JC, Krull KR, Inaba H, Rubnitz JE, Metzger ML, Howard SC, Ribeiro RC, Cheng C, Reddick WE, Jeha S, Sandlund JT, Evans WE, Pui CH, Relling MV. Methotrexate-Induced Neurotoxicity and Leukoencephalopathy in Childhood Acute Lymphoblastic Leukemia. *J Clin Oncol* 2014 Mar 20;32(9):949-59. PMID: 24550419
15. Harreld JH, **Sabin ND**, Rossi MG, Awwad R, Reddick WE, Yuan Y, Glass JO, Ji Q, Gajjar A, and Patay Z. Elevated Cerebral Blood Volume Contributes to Increased FLAIR Signal in the Cerebral Sulci of Propofol-Sedated Children. *AJNR Am J Neuroradiol* 2014 Aug;35(8):1574-9. PMID: 24699094
16. Edelmann MN, Krull KR, Liu W, Glass JO, Ji Q, Ogg RJ, **Sabin ND**, Srivastava DK, Robison LL, Hudson MM, Reddick WE. Diffusion Tensor Imaging and Neurocognition in Survivors of Childhood Acute Lymphoblastic Leukaemia. *Brain* 2014 Nov;137(Pt 11):2973-83. PMID: 25125614
17. Krull KR, Minoshima S, Edelmann M, Morris B, **Sabin ND**, Brinkman TM, Armstrong GT, Robison LL, Hudson MM, Shulkin B. Regional Brain Glucose Metabolism and Neurocognitive Function in Adult Survivors of Childhood Cancer Treated with Cranial Radiation. *J Nucl Med* 2014 Nov;55(11):1805-10. PMID: 25315244

18. Sadighi Z, **Sabin ND**, Hayden R, Stewart E, Pillai A. Diagnostic Clues to Human Herpesvirus 6 Encephalitis and Wernicke's Encephalopathy after Pediatric Hematopoietic Cell Transplantation. *J Child Neurol* 2015 Sep;30(10):1307-14. PMID: 25564483
19. Wright KD, Sabin ND, Cheuk D, McNall-Knapp RY, Shurtleff S, Broniscer A. Incidental Diagnosis of Diffuse Intrinsic Pontine Glioma in Children. *Pediatr Blood Cancer* 2015 Jun;62(6):1081-3. PMID: 25598012
20. Uh J, Merchant TE, Li Y, Li X, **Sabin ND**, Indelicato DJ, Ogg RJ, Boop FA, Jane JA Jr, Hua C-H. Effects of Surgery and Proton Therapy on Cerebral White Matter of Craniopharyngioma Patients. *Int J Radiat Oncol Biol Phys* 2015 Sep 1;93(1):64-71. PMID: 26279025
21. **Sabin ND**, Merchant TE, Li X, Li Y, Klimo Jr P, Boop FA, Ellison DW, Ogg RJ. Quantitative Imaging Analysis of Posterior Fossa Ependymoma Location in Children *Child's Nerv Syst* 2016 32(8):1441-1447. DOI 10.1007/s00381-016-3092-4
22. *Cheung YT, ***Sabin ND**, Reddick WE, Bhojwani D, Liu W, Brinkman TM, Glass JO, Hwang SN, Srivastava DK, Pui CH, Robison LL, Hudson MM, Krull KR. Leukoencephalopathy and Long-term Neurobehavioral, Neurocognitive and Brain Imaging Outcomes in Survivors of Childhood Acute Lymphoblastic Leukemia Treated with Chemotherapy: A Longitudinal Analysis. *Lancet Haematol* 2016 Oct;3(10):e456-e466. doi: 10.1016/S2352-3026(16)30110-7. PMID: 27658980 *Co-1st authors
23. Hudson MM, Ehrhardt MJ, Bhakta N, Baassiri M, Eissa H, Chemaitilly W, Green DM, Mulrooney DA, Armstrong GT, Brinkman TM, Klosky JL, Krull KR, **Sabin ND**, Wilson CL, Huang IC, Bass JK, Hale K, Kaste S, Khan RB, Srivastava DK, Yasui Y, Joshi VM, Srinivasan S, Stokes D, Hoehn ME, Wilson M, Ness KK, Robison LL. Approach for Classification and Severity-grading of Long-term and Late-onset Health Events among Childhood Cancer Survivors in the St. Jude Lifetime Cohort. *Cancer Epidemiol Biomarkers Prev* 2017 May;26(5):666-674. doi: 10.1158/1055-9965.PMID: 28035022
24. Robinson GW, Rudneva VA, Buchalter I, Billups CA, Waszak SM, Smith KS, Bowers DC, Bendel A, Fisher PG, Partap S, Crawford JR, Hassall T, Indelicato DJ, Boop F, Klimo P, **Sabin ND**, Patay Z, Merchant TE, Stewart CF, Orr BA, Korbel JO, Jones DTW, Sharma T, Lichter P, Kool M, Korshunov A, Pfister SM, Gilbertson RJ, Sanders RP, Onar-Thomas A, Ellison DW, Gajjar A, Northcott PA. Risk-Adapted Therapy for Young Children with Medulloblastoma (SJYC07): Results and Molecular Analysis from a Multicenter Phase II Trial. *Lancet Oncol* 2018 Jun;19(6):768-784 doi: 10.1016/S1470-2045(18)30204-3 PMID: 29778738
25. ***Sabin ND**, *Cheung YT, Reddick WE, Bhojwani D, Liu W, Glass JO, Brinkman TM, Hwang SN, Srivastava D, Pui C-H, Robison LL, Hudson MM, Krull KR. The Impact of Persistent Leukoencephalopathy on Brain White Matter Microstructure in Long-Term Survivors of Acute Lymphoblastic Leukemia Treated with Chemotherapy Only. *AJNR Am J Neuroradiol* 2018 Oct;39(10):1919-1925. doi: 10.3174/ajnr.A5791 PMID: 30213807 *Co-1st authors
26. Pajtler KW, Wen J, Sill M, Lin T, Orisme W, Tang B, Hübner JM, Ramaswamy V, Jia S, Dalton JD, Hauptfear K, Rogers HA, Punchihewa C, Lee R, Easton J, Wu G, Ritzmann TA, Chapman R, Chavez L, Boop FA, Klimo P, **Sabin ND**, Ogg R, Mack SC, Freibaum BD, Kim HJ, Witt H, Jones DTW, Vo B, Gajjar A, Pounds S, Onar-Thomas A, Roussel MF, Zhang J, Taylor JP, Merchant TE, Grundy R, Tatevossian RG, Taylor MD, Pfister SM, Korshunov A, Kool M, Ellison DW. Molecular Heterogeneity and CXorf67 Alterations in Posterior Fossa Group A (PFA) Ependymomas. *Acta Neuropathol* 2018 Aug;136(2):211-226. doi: 10.1007/s00401-018-1877-0 PMID: 29909548
27. Krull KR, Li C, Phillips NS, Cheung YT, Brinkman TM, Wilson CL, Armstrong GT, Khan RB, Merchant TE, **Sabin ND**, Srivastava D, Pui CH, Robison LL, Hudson MM, Sklar CA, Chemaitilly W. Growth hormone deficiency and neurocognitive function in adult survivors of childhood acute lymphoblastic leukemia. *Cancer* 2019 Jan 28. doi: 10.1002/cncr.31975. [Epub ahead of print] PMID: 30690723
28. Fellah S, Cheung YT, Scoggins MA, Zou P, **Sabin ND**, Pui CH, Robison LL, Hudson MM, Ogg RJ, Krull KR. Brain Activity Associated with Attention Deficits Following Chemotherapy for Childhood Acute Lymphoblastic Leukemia. *J Natl Cancer Inst* 2019 Feb 1;111(2):201-209 doi: 10.1093/jnci/djy089 PMID: 29790971
29. Hsu CY, Li Y, Han Y, Eljovich L, **Sabin ND**, Abuelem T, Torabi R, Faught A, Hua CH, Klimo P, Merchant TE, Lucas JT Jr. Automatic image processing pipeline for tracking longitudinal vessel changes in magnetic resonance angiography. *J Magn Reson Imaging* 2019 Mar 7. doi: 10.1002/jmri.26699. [Epub ahead of print] PMID: 30843642

30. Merchant TE, Bendel AE, **Sabin ND**, Burger PC, Shaw DW, Chang E, Wu S, Zhou T, Eisenstat DD, Foreman NK, Fuller CE, Anderson ET, Hukin J, Lau CC, Pollack IF, Laningham FH, Lustig RH, Armstrong FD, Handler MH, Williams-Hughes C, Kessel S, Kocak M, Ellison DW, Ramaswamy V. Conformal Radiation Therapy for Pediatric Ependymoma, Chemotherapy for Incompletely Resected Ependymoma, and Observation for Completely Resected, Supratentorial Ependymoma. *J Clin Oncol* 2019 Apr 20;37(12):974-983. doi: 10.1200/JCO.2018.01765 PMID: 30811284
31. Upadhyaya SA, Robinson GW, Onar-Thomas A, Orr BA, Billups CA, Bowers DC, Bendel AE, Hassall T, Crawford JR, Partap S, Fisher PG, Tatevosian RG, Seah T, Qaddoumi IA, Vinitzky A, Armstrong GT, **Sabin ND**, Tinkle CL, Klimo P, Indelicato DJ, Boop FA, Merchant TE, Ellison DW, Gajjar A. Molecular Grouping and Outcomes of Young Children with Newly Diagnosed Ependymoma Treated on the Multi-Institutional SJYC07 Trial. *Neuro Oncol* 2019 Apr 12. pii: noz069. doi: 10.1093/neuonc/noz069. PMID: 30976811
32. Banerjee P, Rossi MG, Angheliescu DL, Liu W, Breazeale AM, Reddick WE, Glass JO, Phillips NS, Jacola LM, **Sabin ND**, Inaba H, Srivastava D, Robison LL, Pui CH, Hudson MM, Krull KR. Association Between Anesthesia Exposure and Neurocognitive and Neuroimaging Outcomes in Long-term Survivors of Childhood Acute Lymphoblastic Leukemia. *JAMA Oncol* 2019 Jun 20. doi: 10.1001/jamaoncol.2019.1094 PMID: 31219514
33. Phillips NS, Hillenbrand CM, Mitrea BG, Yan J, Li C, Scoggins MA, Merchant TE, Armstrong GT, Srivastava D, Pui CH, Robison LL, Hudson MM, Krull KR, **Sabin ND**. Cerebral microbleeds in adult survivors of childhood acute lymphoblastic leukemia treated with cranial radiation. *Sci Rep* 2020 Jan 20;10(1):692. doi: 10.1038/s41598-020-57682-8. PMID: 31959839
34. Bourque MS, Salek M, **Sabin ND**, Canale M, Upadhyaya SA. Comment on: Response to the BRAF/MEK inhibitors dabrafenib/trametinib in an adolescent with a BRAF V600E mutated anaplastic ganglioglioma intolerant to vemurafenib. *Pediatr Blood Cancer* 2020 Nov 19:e28814. doi: 10.1002/pbc.28814. PMID: 33211390
35. Howell CR, Bjornard KL, Ness KK, Alberts N, Armstrong GT, Bhakta N, Brinkman T, Caron E, Chemaitilly W, Green DM, Folse T, Huang IC, Jefferies JL, Kaste S, Krull KR, Lancot JQ, Mulrooney DA, Neale G, Nichols KE, **Sabin ND**, Shelton K, Srivastava DK, Wang Z, Wilson C, Yasui Y, Zaidi A, Zhang J, Robison LL, Hudson MM, Ehrhardt MJ Cohort Profile: The St. Jude Lifetime Cohort Study (SJLIFE) for paediatric cancer survivors. *Int J Epidemiol* 2020 Dec 29;dyaa203. doi: 10.1093/ije/dyaa203. PMID: 33374007
36. Pryweller JR, Glass JO, **Sabin ND**, Laningham FH, Li Y, Jacola LM, Conklin HM, Reddick WE. Characterization of leukoencephalopathy and association with later neurocognitive performance in pediatric acute lymphoblastic leukemia. *Invest Radiol* 2021 Feb 1;56(2):117-126. doi: 10.1097/RLI.0000000000000715. PMID: 32769417
37. Uh J, Merchant TE, Conklin HM, Ismael Y, Li Y, Han Y, **Sabin ND**, Babajani-Feremi A, Indelicato DJ, Hua CH. Diffusion tensor imaging-based analysis of baseline neurocognitive function and posttreatment white matter changes in pediatric patients with craniopharyngioma treated with surgery and proton therapy. *Int J Radiat Oncol Biol Phys* 2021 Feb 1;109(2):515-526. doi: 10.1016/j.ijrobp.2020.08.060. PMID: 2898610
38. Bowers DC, Verbruggen LC, Kremer LCM, Hudson MM, Skinner R, Constine LS, **Sabin ND**, Bhangoo R, Haupt R, Hawkins MM, Jenkinson H, Khan RB, Klimo Jr P, Pretorius P, Ng A, Reulen RC, Ronckers CM, Sadighi Z, Scheinemann K, Schouten-van Meeteren N, Sugden E, Teepen JC, Ullrich NJ, Walter A, Wallace WH, Oeffinger KC, Armstrong GT, van der Pal HJH, Mulder RL. Surveillance for subsequent neoplasms of the CNS for childhood, adolescent, and young adult cancer survivors: a systematic review and recommendations from the International Late Effects of Childhood Cancer Guideline Harmonization Group. *Lancet Oncol* 2021 May;22(5):e196-e206. doi: 10.1016/S1470-2045(20)30688-4. PMID: 33845037
39. Bag AK, Wing MN, **Sabin ND**, Hwang SN, Armstrong GT, Han Y, Li Y, Snyder SE, Robinson GW, Qaddoumi I, Broniscer A, Shulkin BL. ¹¹C-Methionine PET for Identification of Pediatric High-Grade Glioma Recurrence. *J Nucl Med* 2021 Aug 26. doi: 10.2967/jnumed.120.261891. PubMed PMID: 34446453
40. **Sabin ND**, Hwang SN, Klimo Jr P, Chambwe N, Tatevosian RG, Patni, T, Li Y, Boop FA, Anderson E, Gajjar A, Merchant TE, Ellison DW. Anatomic Neuroimaging Characteristics of Posterior Fossa Type A (PFA) Ependymoma Subgroups. *AJNR Am J Neuroradiol* 2021 Dec;42(12):2245-2250. doi: 10.3174/ajnr.A7322. Epub 2021 Oct 21. PubMed PMID: 34674998

41. Harreld JH, Zou P, **Sabin ND**, Edwards A, Han Y, Li Y, Bieri O, Khan RB, Gajjar A, Robinson G, Merchant TE. Pre-treatment normal WM MTR predicts risk for radiation necrosis in patients with medulloblastoma. *AJNR Am J Neuroradiol* 2022 Feb;43(2):299-303. doi: 10.3174/ajnr.A7393. Epub 2022 Jan 20. PubMed PMID: 35058296
42. Chemaitilly W, Li Z, Brinkman TM, Delaney A, Huang S, Bjornard KL, Lam CG, Wilson CL, Barnes N, Clark KL, Krasin MJ, Metzger ML, Sheyn A, Bishop MW, **Sabin ND**, Howell RM, Helmig S, Shulkin BL, Triplett B, Pui CH, Gajjar A, Srivastava DK, Green DM, Armstrong GT, Robison LL, Hudson MM, Ness KK, Sklar CA, Krull KR. Primary Hypothyroidism in Childhood Cancer Survivors: Prevalence, Risk Factors and Long-term Consequences. *Cancer* 2022 Feb 1;128(3):606-614. doi: 10.1002/cncr.33969. Epub 2021 Oct 13. PubMed PMID: 34643950
43. Jaju A, Li Y, Dahmouch H, Gottardo NG, Laughlin S, Mirsky D, Panigrahy A, **Sabin ND**, Shaw D, Storm PB, Young Poussaint T, Patay Z, Bhatia A. Imaging of pediatric brain tumors: A COG Diagnostic Imaging Committee/SPR Oncology Committee/ASPNR White Paper. *Pediatr Blood Cancer* 2022 Dec 15:e30147. doi: 10.1002/pbc.30147. Online ahead of print. PMID: 36519599
44. Merchant TE, Hoehn ME, Khan RB, **Sabin ND**, Klimo P, Boop FA, Wu S, Li Y, Burghen EA, Jurbergs N, Sandler ES, Aldana PR, Indelicato DJ, Conklin HM. Proton therapy and limited surgery for paediatric and adolescent patients with craniopharyngioma (RT2CR): a single-arm, phase 2 study. *Lancet Oncol* 2023 May;24(5):523-534. doi: 10.1016/S1470-2045(23)00146-8. Epub 2023 Apr 18. PMID: 37064748
45. *Chiang J, *Bagchi A, Li X, Dhanda SK, Huang J, Pinto SN, Sioson E, Dalton J, Tatevossian RG, Jia S, Partap S, Fisher PG, Bowers DC, Hassall T, Lu C, Zaldivar-Peraza A, Wright KD, Broniscer A, Qaddouri I, Upadhyaya SA, Vinitsky A, **Sabin ND**, Orr BA, Klimo P, Boop FA, Ashford JM, Conklin HM, Onar-Thomas A, Zhou X, Ellison DW, Gajjar A, Robinson GW. High-grade glioma in young children is histologically, molecularly, and clinically diverse - results from the SJYC07 trial and institutional experience. *Neuro Oncol*. In Press *Co-1st authors

(Under Review)

1. Bhatia A, **Sabin ND**, Fisher MJ, Poussaint TY. Review of Imaging Recommendations from Response Assessment in Pediatric Neuro-Oncology (RAPNO). Under review at *Pediatr Radiol*.
2. Phillips NS, Mulrooney DA, Williams AM, Liu W, Khan RB, Ehrhardt MJ, Folse T, Krason M, Srivastava DK, Ness KK, Hudson MM, ***Sabin ND**, *Krull KR. Neurocognitive Impairment Associated with Chronic Morbidity in Long-term Survivors of Hodgkin Lymphoma. Under review at *Blood Advances*. *Co-senior authors

ii. Book Chapters and Monographs:

1. Lam C, Panandiker AP, Ver Halen J, **Sabin ND**, Samant S. *Cancer of the Head and Neck in the Pediatric Population* In *Cancer of the Head and Neck*, 5th Edition. Hanna, Myers and Myers editors Philadelphia: Wolters Kluwer 2017
2. **Sabin ND**. *Spinal Cord Astrocytomas*. In Reid J, Lee E, Paladin A and Carrico C (eds.). *Pediatric Radiology*. New York, NY: Oxford University Press, 2013

iii. Reviews and Conference Proceedings:

1. **Sabin ND**. Case on radiation necrosis in American College of Radiology's Continuous Performance Improvement Series Self-Assessment Module on Imaging in Pediatric Oncology. Special Edition 2015

13. Presentations

A. Oral Presentations

1. Patay Z, Löbel U, Lambert AN, **Sabin ND**, Helton K, Sablauer A. Cerebral Neoplasms in L-2-Hydroxyglutaric Aciduria. [O-272]. 48th Annual Meeting of the American Society of Neuroradiology (ASNR), Boston, Massachusetts, May 17 – 21, 2010.
2. Patay Z, Lambert AN, Löbel U, **Sabin ND**, Sablauer A. Pathognomonic Single-Voxel Proton MR Spectroscopic Findings in 3-Hydroxy-3-Methylglutaryl Coenzyme A Lyase Deficiency? [O-185]. 48th Annual Meeting of the American Society of Neuroradiology (ASNR), Boston, Massachusetts, May 17 – 21, 2010.
3. Helton KJ, Tran H-V, Scoggins M, **Sabin N**, Loeffler R, Ogg R, Patay Z, Broniscer A, Hillenbrand C. Longitudinal Diffusion Tensor Findings in Children with Diffuse Intrinsic Brainstem Glioma Treated with Radiation and Antiangiogenic Therapy [O-119]. 48th Annual Meeting of the American Society of Neuroradiology (ASNR), Boston, Massachusetts, May 17 – 21, 2010.
4. Patay Z, Löbel U, Morris BE, Li Y, Sablauer A, **Sabin ND**, Lambert AN, Boop F, Gajjar A. MR Imaging Evaluation of Inferior Olivary Nuclei in Patients with Postoperative Posterior Fossa Syndrome [O-48]. 48th Annual Meeting of the American Society of Neuroradiology (ASNR), Boston, Massachusetts, May 17 – 21, 2010.
5. **Sabin ND**, Krull KR, Liu W, Glass J, Srivastava DK, Robison LL, Hudson MM, Reddick WE. Diffusion Tensor Imaging Parameters and Neurocognitive Performance in Long-Term Adult Survivors of Childhood Acute Lymphocytic Leukemia 49th Annual Meeting of the American Society of Neuroradiology (ASNR), Seattle, WA, June 6-9, 2011.
6. Krull KR, **Sabin N**, Reddick WE, Zhu L, Armstrong GT, Green D, Srivastava DK, Metzger M, Robison LL, Hudson MM. Central Nervous System Integrity in Adult Survivors of Childhood Hodgkin Lymphoma 40th Annual Meeting of the International Neuropsychological Society (INS), Montreal, Canada, February 15-18, 2012.
7. Patay Z, Reddick GW, Harreld JH, **Sabin N**, Helton K, Sablauer A, Glass JO, Klimo P, Broniscer A, Ellison D. MR Imaging Features of Infantile Embryonal Tumor with Abundant Neuropil and Ependymoblastic Rosettes in the Pons. 50th Annual Meeting of the American Society of Neuroradiology (ASNR), New York, NY, April 23-27, 2012.
8. Harreld JH, **Sabin ND**, Kaddoum RN, Parish ME, Gajjar A, Patay Z. Impact of Sedation on FLAIR Imaging of the Pediatric Brain 50th Annual Meeting of the American Society of Neuroradiology (ASNR), New York, NY, April 23-27, 2012.
9. **Sabin ND**, Merchant TE, Harreld JH, Patay Z, Wright KD, Gray J, Gajjar A. Imaging Changes in Very Young Children Treated with Proton Therapy for Brain Tumors: MRI Features with Clinical Correlations. 50th Annual Meeting of the American Society of Neuroradiology (ASNR), New York, NY, April 23-27, 2012.
10. Bhojwani D, **Sabin N**, Inaba H, Jeha S, Sandlund JT, Relling MV, Pui CH. Methotrexate-Induced Neurotoxicity and Leukoencephalopathy During Treatment of Childhood Acute Lymphoblastic Leukemia 44th Congress of the International Society for Paediatric Oncology, London, UK, October 5-8, 2012.
11. Armstrong GT, Petersen RC, Zhang N, Santucci A, Srivastava D, Reddick WE, Ogg RJ, Hillenbrand C, **Sabin N**, Krasin MJ, Kun L, Pui CH, Hudson MM, Robison LL, Krull KR. Long-Term Memory Deficits and Early Onset Dementia in Aging Adult Survivors of Childhood Acute Lymphoblastic Leukemia Treated with Cranial Irradiation. 54th Annual Meeting of the American Society of Hematology, Atlanta, GA, December 8-11, 2012.

12. Armstrong GT, Ogg RJ, Reddick WE, Petersen RC, Santucci A, Zhang N, Srivastava D, Hillenbrand C, **Sabin ND**, Krasin MJ, Kun L, Pui CH, Hudson MM, Robison LL, Krull KR. Evaluation of Memory Impairment and Dementia in Adult Survivors of Childhood Acute Lymphoblastic Leukemia Treated with Cranial Radiotherapy. 13th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, Memphis, TN, June 13-15, 2013.
13. **Sabin ND**, Yuan Y, Coan A, Klimo Jr P, Ellison DW, Merchant TE. Correlation of Imaging Location of Pediatric Posterior Fossa Ependymoma with Extent of Surgical Resection, Pattern of Tumor Recurrence, Patient Survival and Survival Time. 52nd Annual Meeting of the American Society of Neuroradiology (ASNR), Montreal, Quebec, Canada, May 19-22, 2014
14. Merchant TE, Bendel AE, **Sabin ND**, Burger PC, Shaw DW, Wu S, Boyett JM and other members of the ACNS0121 study committee. A Phase II Trial of Conformal Radiation Therapy for Pediatric Patients with Localized Ependymoma, Chemotherapy Prior to Second Surgery for Incompletely Resected Ependymoma and Observation for Completely Resected, Differentiated, Supratentorial Ependymoma (ACNS0121) 16th International Symposium on Pediatric Neuro-oncology (ISPNO), Singapore, June 28-July 2, 2014.
15. Merchant TE, Bendel AE, **Sabin ND**, Burger PC, Shaw DW, Wu S, Boyett JM and other members of the ACNS0121 study committee. A Phase II Trial of Conformal Radiation Therapy for Pediatric Patients with Localized Ependymoma, Chemotherapy Prior to Second Surgery for Incompletely Resected Ependymoma and Observation for Completely Resected, Differentiated, Supratentorial Ependymoma (ACNS0121) 57th Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Antonio, TX, October 18-21, 2015.
16. Patijer KW, Lin T, Punchihewa C, Sill M, Ramaswamy V, Ogg RJ, **Sabin ND**, Wen J, Wright KD, Jones DTW, Witt H, Tatevossian R, Gilbertson RJ, Pounds, S, Taylor MD, Pfister SM, Merchant TE, Kool M, Korshunov A, Ellison DW. Molecular Refinement of Pediatric Posterior Fossa Ependymoma. 20th Annual Scientific Meeting of the Society for Neuro-Oncology, San Antonio, Texas, November 19 - 22, 2015
17. Banerjee P, Mandrell BN, Brinkman TM, Cheung, YT, Robison LL, Hudson MM, **Sabin ND**, Krull KR. Memory Function and Symptoms of Sleep Apnea in Long-Term Survivors of Childhood Hodgkin Lymphoma 5th Biennial International Cancer and Cognition Taskforce Meeting, Netherlands Cancer Institute, Amsterdam, The Netherlands, March 14-16, 2016.
18. Merchant T, Hua C-H, **Sabin ND**, Ezell S, Madey M, Wu S, Khan R, Indelicato D. Necrosis, Vasculopathy, and Neurological Complications after Proton Therapy for Childhood Craniopharyngioma: Results from a Prospective Trial and a Photon Cohort Comparison. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.
19. Farr J, **Sabin ND**, Hua C-H, Pirlepesov F, Shin J, Moskvina V, Indelicato D, Li Z, Gallar A, Merchant T. Dose and Dose-Weighted Linear Energy Transfer Brainstem Volumetric Thresholds Associated with MR Signal Changes in Pediatric Patients with Ependymoma Treated with Proton Therapy. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.
20. 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 Annual Meeting of the International Neuropsychological Society (INS), New Orleans, LA, February 1-4, 2017.
21. **Sabin ND**, Cheung YT, Reddick WE, Bhojwani D, Liu W, Glass JO, Brinkman TM, Srivastava D, Pui C-H, Robison LL, Hudson MM, Krull KR. Leukoencephalopathy and Diffusion Tensor Imaging in Long-Term Survivors of Childhood Acute Lymphoblastic Leukemia Treated with Chemotherapy Only. 55th Annual Meeting of the American Society of Neuroradiology (ASNR), Long Beach, CA, April 22-27, 2017.
22. Merchant TE, Hua CH, **Sabin ND**, Madey MA, Wu S, Li Y, Klimo P, Boop FA, Aldana PR, and Indelicato DJ. Progression-Free Survival after Proton Therapy for Childhood Craniopharyngioma: Early Results from a Prospective Trial. 59th Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Diego, CA, September 24-27, 2017.
23. **Sabin ND**, Ellison DW, Klimo Jr P, Boop FA, Merchant TE, Ogg RJ. Potential Imaging and Neurosurgical Correlates of Molecular Subgroups of Posterior Fossa Ependymoma in Children. The Society for Pediatric Radiology (SPR): 61st Annual Meeting and Postgraduate Course, Nashville, TN, May 15-19, 2018

24. Sabin ND, Cheung YT, Reddick WE, Bhojwani D, Liu W, Glass JO, Brinkman TM, Hwang, SN, Srivastava D, Pui C-H, Robison LL, Hudson MM, Krull KR. The Impact of Leukoencephalopathy on the White Matter Tracts of Long-Term Survivors of Childhood Acute Lymphoblastic Leukemia Treated with Chemotherapy Only. Joint Annual Meeting of the International Society for Magnetic Resonance in Medicine (ISMRM)-European Society for Magnetic Resonance in Medicine and Biology (ESMRMB), Paris, France, June 16-21, 2018
25. Sabin ND, Banerjee P, Reddick WE, Liu W, Glass JO, Srivastava D, Robison LL, Hudson MM, Krull KR. Cortical Thickness and Neurocognitive Performance in Adult Survivors of Hodgkin Lymphoma. 47th Annual Meeting of the International Neuropsychological Society, New York, NY, February 20-23, 2019.
26. Sabin ND, Reddick WE, Banerjee P, Liu W, Glass JO, Srivastava D, Robison LL, Hudson MM, Krull KR. Leukoencephalopathy, Quantitative MR Imaging and Neurocognitive Performance in Adult Survivors of Hodgkin Lymphoma. 57th Annual Meeting of the American Society of Neuroradiology (ASNR), Boston, MA, May 18-23, 2019.
27. Williams AM, Muirone 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. 61st Annual Meeting of the American Society of Hematology (ASH), Orlando, FL, December 6-10, 2019
28. Lucas Jr JL, LeVine D, Ismael Y, Hsu CY, Darrow KR, Faught AM, Moskvina V, Pirlepsov F, Sabin ND, Boop F, Klimo P, Eliyovich L, Merchant TE. Vasculopathy in Pediatric Craniopharyngioma Patients Treated with Surgery and Proton Radiotherapy. American Society for Radiation Oncology: 62nd Annual Meeting (Online) October 25-28, 2020
29. Lucas JT, Faught AM, Tinkle CL, Rose ML, Hubler A, Kaste S, Hsu CY, Harreld J, Sabin ND, Acharya S, Hua CH, Armstrong GT, Krasin M, Merchant TE. Clinically significant toxicities attributable to pencil beam scanning proton therapy in pediatric patients enrolled on a single institution phase IB clinical trial: early results from SJPROTON1. American Society for Radiation Oncology: 62nd Annual Meeting (Online) October 25-28, 2020
30. Brinkman T, Krull K, Scoggins M, Li Z, Glass J, Zou P, Ness K, Sabin N, Gajjar A, Armstrong G, Robison L, Hudson M, Reddick W. Neural Network Integrity for Facial Affect Recognition in Survivors of Medulloblastoma. The 19th International Symposium on Pediatric Neuro-Oncology (ISPNO), Karuizawa, Nagano, Japan, December 13-16, 2020
31. Gottardo N, Leary S, Kang G, Gossett J, Fouladi M, Kessel S, Sabin N, Jaju A, Harreld J. How to Increase Survival in 7 to 10% Of Patients with Average-Risk Medulloblastoma without New Therapies: Early Prospective Neuroradiology Screening Experience from the Children's Oncology Group. The 19th International Symposium on Pediatric Neuro-Oncology (ISPNO), Karuizawa, Nagano, Japan, December 13-16, 2020
32. Harreld J, Zou P, Edwards A, Sabin N, Han Y, Li Y, Bieri O, Gajjar A, Robinson G, Merchant T. Pre-treatment Normal WM MTR Predicts Risk for Radiation Necrosis in Children with Medulloblastoma. 59th Annual Meeting of the American Society of Neuroradiology (Online), May 22-26, 2021

Invited Talks

1. "The Radiologist as a Primary Care Physician?" The American College of Legal Medicine: Mid-Year Educational Conference on Medical Imaging and the Law, Chicago, IL, October 13 – 14, 2007.
2. "The National Practitioner Data Bank" American College of Legal Medicine: 49th Annual Meeting, Las Vegas, NV, February 27 – March 1, 2009.
3. "Effects of Cancer Therapy on the Brain: Selected Imaging Findings in Children and Adult Survivors of Childhood Cancer" Southeastern Neuroradiological Society (SENRS): 35th Annual Meeting Palm Beach, FL, October 20-22, 2011

4. "Detection of Leptomeningeal CNS Metastases in Children" The Society for Pediatric Radiology (SPR): 56th Annual Meeting and Postgraduate Course San Antonio, TX, May 14-18, 2013
5. "Ependymoma in Children" Southeastern Neuroradiological Society (SENRS): 42nd Annual Meeting, Palm Beach, FL, October 18-20, 2018
6. "Sellar and Parasellar Lesions in Children and Adolescents" Southeastern Neuroradiological Society (SENRS): 43rd Annual Meeting, Orlando, FL, October 17-19, 2019
7. "Neuroimaging Findings in Long-Term Survivors of Childhood Cancer" Southeastern Neuroradiological Society (SENRS): 44th Annual Meeting (Online), October 22, 2020
8. "Developments in Neuroimaging in Survivors of Childhood Cancer" Southeastern Neuroradiological Society (SENRS): 45th Annual Meeting, Destin, FL, October 21-23, 2021
9. "Imaging of Histiocytoses in Children and Adolescents" Southeastern Neuroradiological Society (SENRS): 46th Annual Meeting, White Sulphur Springs, WV, October 20-22, 2022
10. "Optimizing Imaging for Pediatric Brain Tumors" 17th St. Jude-VIVA Forum, Singapore, March 4-5, 2023.
11. "A Toolkit for Pediatric Brain Tumor Imaging" to be presented at the Annual Scientific Conference on Cancer Control, Hue, Vietnam, August 24-25, 2023
12. "Uncertainty in Pediatric Neuro-Oncologic Imaging" to be presented at the Southeastern Neuroradiological Society (SENRS): 47th Annual Meeting, Hilton Head SC, October 19-21, 2023

Institutional Talks and Course Lectures

1. "Imaging of Late Side Effects of Cancer Treatment in Children" St. Jude Children's Research Hospital Pediatric Biomedical Imaging Initiative Pediatric Neuro-Oncologic Imaging Course, Memphis, TN, October 26-28, 2019
2. "Gliomas: Imaging (Ependymoma)" St. Jude Children's Research Hospital Pediatric Biomedical Imaging Initiative Pediatric Neuro-Oncologic Imaging Course Memphis, TN, October 26-28, 2019
3. "Other tumors: Craniopharyngioma" St. Jude Children's Research Hospital Pediatric Biomedical Imaging Initiative Pediatric Neuro-Oncologic Imaging Course Memphis, TN, October 26-28, 2019
4. "Late Effects of CNS Directed Therapies: Consequences of Surveillance" Recorded lecture with Gregory Armstrong, M.D., M.S.C.E. for After Completion of Therapy (ACT) Clinic St. Jude Oncology Fellow Rotation Curriculum, December 2020
5. "Neurocognitive Outcomes and Neuroimaging Correlates in Hodgkins Lymphoma Survivors" St. Jude Children's Research Hospital Pediatric Biomedical Imaging Initiative 2nd Annual Research Symposium - Betterment of Cancer Survivorship: The Evolving Role of imaging, Memphis, TN (Online), February 26, 2021
6. "Subsequent Neoplasms Involving the CNS (and Thereabouts) in Survivors of Childhood Cancer" St. Jude Children's Research Hospital Pediatric Biomedical Imaging Initiative 2nd Annual Research Symposium - Betterment of Cancer Survivorship: The Evolving Role of Imaging Memphis, TN (Online), February 26, 2021
7. "Diagnostic Neuroimaging at St. Jude" Neuropsychology Didactics – Department of Psychology, St. Jude Children's Research Hospital, August 30, 2021
8. "Neuroimaging Findings in Long-Term Survivors of Childhood and Adolescent Cancer" St. Jude Children's Research Hospital Pediatric Biomedical Imaging Initiative Pediatric Neuro-Oncologic Imaging Course, Memphis, TN, October 28-30, 2022
9. "Ependymoma: imaging" St. Jude Children's Research Hospital Pediatric Biomedical Imaging Initiative Pediatric Neuro-Oncologic Imaging Course, Memphis, TN, October 28-30, 2022

10. "Imaging Findings of Histiocytoses Involving the CNS in Children and Adolescents" St. Jude Children's Research Hospital Pediatric Biomedical Imaging Initiative Pediatric Neuro-Oncologic Imaging Course, Memphis, TN, October 28-30, 2022
11. "Imaging of Craniopharyngioma" St. Jude Children's Research Hospital Pediatric Biomedical Imaging Initiative Pediatric Neuro-Oncologic Imaging Course, Memphis, TN, October 28-30, 2022
12. "Topics in Neuroradiology" St. Jude Global Asia Pacific Tumor Board, to be presented on August 30, 2023.

B. Poster Presentations

1. **Sabin ND**, Cheuk D, Naik M, Hossain AKMM, Shulkin B, Watkins A, Rodriguez-Galindo C. PET-CT and MRI in the Staging of Pediatric Nasopharyngeal Carcinoma at Initial Presentation. 43rd Annual Meeting of the American Society of Head & Neck Radiology (ASHNR), New Orleans LA, October 7-11, 2009
2. Jain N, Hudson MM, **Sabin N**, Srivastava DK, Metzger M, Robison LL, Krull KR. Neurocognitive Outcomes in Adult Survivors of Childhood Hodgkin Lymphoma. 39th Annual Meeting of the International Neuropsychological Society (INS). Boston, MA, February 2-5, 2011
3. Winchell AM, Krull K, **Sabin N**, Sedlaczik J, Song R, Loeffler RB, Hudson M, Hillenbrand CM. Late Effects of Cancer Treatment on Gray Matter Perfusion Assessed by Arterial Spin Labeling MRI and its Association with Neurocognitive Function. 19th Annual Meeting of the International Society for Magnetic Resonance in Medicine (ISMRM), Montreal, Quebec, Canada, May 7-13, 2011
4. Becksfort J, **Sabin N**, Iftekharruddin K. A Framework for Automated High-Throughput Phenotyping of Brain Tumor MRI. Meeting on Automated Imaging & High-Throughput Phenotyping. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, April 10-13, 2012
5. **Sabin ND**, Ellison DW, Klimo P Jr, Harreld JH, Patay Z, Kun LE. Acquired Ependymal Cyst with Appearance Similar to a Craniopharyngioma Implant. 50th Annual Meeting of the American Society of Neuroradiology (ASNR), New York, NY, April 23-27, 2012
6. **Sabin ND**, Santucci A, Klimo P, Zhang N, Srivastava DK, Pui CH, Hudson MM, Krull KR, Kun L, Krasin M, Reddick WE, Hillenbrand C, Ogg R, Patay Z, Robison LL, Armstrong GT. Prevalence of Subsequent Intracranial Neoplasms on Screening MRI in Long Term Survivors of Childhood ALL. 51st Annual Meeting of the American Society of Neuroradiology (ASNR), San Diego, CA, May 20-23, 2013
7. Yan J, Mitrea B, Winchell AM, Zhu Z, Krull K, Ayaz M, Hillenbrand C, Armstrong G, **Sabin N**. Cerebral Microbleeds as a Predictor of Cognitive Ability in Survivors of Childhood ALL Treated with Cranial Radiotherapy. 160th Annual Meeting of the North Carolina Medical Society, Greensboro, NC, October 24-25, 2014.
8. Reddick WE, Glass JO, Ji Q, Cheung YT, **Sabin N**, Pui C-H, Hudson MM, Krull KR. Frontostriatal integrity and association with executive function in survivors of childhood ALL. Organization for Human Brain Mapping, 21st Annual Meeting, Honolulu, HI, June 15-18, 2015
9. Harreld JH, Pagare A, Foster N, Shipp R, **Sabin ND**, Helton KJ, Gingras B, Patay Z. Lean MRI Protocol Process Improvement and Software Solution. 105th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), Chicago, IL, December 1-6, 2019
10. Allmon P, Delaney A, Bourque MS, Canale M, Chiang J, **Sabin ND**, Upadhyaya SA. Management of Refractory Hyperandrogenism with BRAF V600E Inhibition in a Patient with Ganglioglioma. The 2022 American Society of Pediatric Hematology/Oncology Conference, Pittsburgh, PA, May 4-7, 2022
11. Elmuti L, Wogksch M, **Sabin N**, Robison LL, Hudson MM, Ness KK, Henderson T, Krull K, Phillips N. Cardiopulmonary Fitness and Neurocognitive Outcomes in Childhood Hodgkin Lymphoma Survivors. University of Chicago Pediatric Research Day 2023; International Symposium on Late Complications After Childhood Cancer, Atlanta, GA, June 15-17, 2023

12. Phillips N, Baedke J, Williams A, Ji Q, Zhang S, Scoggins M, **Sabin N**, Merchant T, Gajjar A, Ness K, Hudson M, Yasui Y, Krull K. Accelerated brain age and associated neurocognitive impairments in adult survivors of childhood cancer. American Society of Clinical Oncology Annual Meeting, Chicago, IL, June 2-6, 2023.

14. Awards

Good Catch award - November 2022

Award given by the St. Jude Children's Research Hospital Quality and Patient Safety Committee for the best patient safety-related catch that's reported in the Electronic Event Reporting System (EERS).

15. Interviews

Interviewed for and quoted in "Invisible Scars of Childhood Chemotherapy Revealed" by Valerie Brown, *Biotechnology Today*, 12/19/2017