



Michael A Arnold, MD, PhD, FCAP

Professor of Pathology (Clinical Pathology)

CLINICAL OFFICE (PRIMARY)

- **Department of Pathology**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Michelle Miranda Topete - Administrative Associate

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Bio

CLINICAL FOCUS

- Anatomic Pathology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Pathology

ADMINISTRATIVE APPOINTMENTS

- Professor of Pathology, Stanford University, (2026- present)
- Director of Pathology Informatics, Stanford Children's Health, (2026- present)
- Pediatric Pathologist-in-Chief, Lucile Packard Children's Hospital, (2026- present)
- Director of Pathology Informatics, Stanford University, (2026- present)
- Medical Director of Pediatric Pathology & Clinical Lab Services, Stanford Children's Health, (2026- present)
- Vice Chair of Pathology Informatics, Children's Hospital of Colorado, (2024-2026)
- Vice Chair of Anatomic Pathology, Pediatric Pathology at Children's Hospital Colorado, (2024-2026)
- Professor of Pathology, University of Colorado, Anschutz Medical Campus, (2024-2026)
- Pathology Informaticist, Children's Hospital of Colorado, (2021-2024)
- Medical Director of Anatomic Pathology, Pediatric Pathology at Children's Hospital Colorado, (2019-2024)
- Associate Professor of Pathology, University of Colorado, Anschutz Medical Campus Aurora, Colorado, (2019-2024)
- Associate Professor of Pathology, Department of Pathology The Ohio State University College of Medicine Columbus, Ohio, (2018-2019)
- Assistant Professor of Pathology, Department of Pathology The Ohio State University College of Medicine Columbus, Ohio, (2013-2018)
- Interim Director of Surgical Pathology, Department of Pathology and Laboratory Medicine Nationwide Children's hospital Columbus, Ohio, (2017-2018)
- Director of Surgical Pathology, Department of Pathology and Laboratory Medicine Nationwide Children's hospital Columbus, Ohio, (2018-2019)
- Pediatric Pathologist, Department of Pathology and Laboratory Medicine Nationwide Children's hospital Columbus, Ohio, (2013-2019)

HONORS AND AWARDS

- UT Southwestern Cardiology Graduate Student Training Grant Awardee, UT Southwestern (July 2002 – July 2004)
- Nominee for the Nominata Award for outstanding graduate student, Genetics and Development Graduate Program (May 2006)
- Oral presentation honorarium, North Texas Society of Pathology (December 2008)
- Children's Oncology Group Young Investigator, Children's Oncology (2014-2017)
- Outstanding Individual Publication, Nationwide Children's Hospital Department of Pathology and Laboratory Medicine (2014-2015)
- Named to the 2016 Power List as a Rising Star, Pathology by The Pathologist (December 2016)
- Faculty Leadership Award, Nationwide Children's Hospital Department of Pathology and Laboratory Medicine (December 2018)
- Named to the 2019 Power List as a Trailblazer in Pathology (#7), The Pathologist (August 2019)
- Innovative Educator Award, PathElective.com (August 2021)
- 2021 Pathology Advancement Award, College of American Pathologists (September 2021)
- Best Poster Abstract , Pathologist Category, 47th Annual Meeting of the International Academy of Pathology Australasian Division (May2023)
- Summit Award for outstanding teaching, University of Colorado (June 2025)
- Miriam Conces, junior faculty member., Society for Pediatric Pathology Lotte Strauss Award for outstanding publication (March 2017)
- Muhammad Ahsan, Pathology Resident, Pakistan SPP International Study Stipend, To support in person rotation at Children's Hospital Colorado (November 2023-December 2023)
- A James McAdams Short-Term Study Stipend, Children's Hospital Colorado, Christina Hansen, University of North Carolina Pathology Resident: Society for Pediatric Pathology (March 2024)

PROFESSIONAL EDUCATION

- Board Certification: Clinical Informatics, American Board of Pathology (2024)
- Board Certification: Pediatric Pathology, American Board of Pathology (2014)
- Fellowship: Nationwide Children's Hospital Pediatric Pathology (2013) OH
- Fellowship: National Institute Of Health (2012) MD
- Board Certification: Anatomic Pathology, American Board of Pathology (2011)
- Residency: National Institute Of Health (2011) MD
- Residency: University of Texas Southwestern (2010) TX
- Medical Education: University of Texas Southwestern Medical School (2008) TX
- Specialized Training, Children's Hospital Colorado, Aurora, Colorado. , Provider Leadership Development Program (2024)
- Specialized Training, EPIC, Verona, Wisconsin , Beaker Pathologist Builder Training (2020)
- Specialized Training, College of American Pathologists, Chicago, Illinois , Laboratory Medical Direction Advanced Practical Pathology Program (2017)
- Specialized Training, Nationwide Children's Hospital, Columbus, Ohio , Nationwide Children's Hospital Medical Leadership Course (2015)
- Graduate Medical Education, Nationwide Children's Hospital, Columbus, Ohio. , Fellowship, Pediatric Pathology, Department of Pathology and Laboratory Medicine, (2013)
- Graduate Medical Education, National Cancer Institute, National Institutes of Health, Bethesda, Maryland , Fellowship, Pediatric and Ultrastructural Pathology, Laboratory of Pathology (2012)
- Graduate Medical Education, National Cancer Institute, National Institutes of Health, Bethesda, Maryland. , Residency, Anatomic Pathology, Laboratory of Pathology (2011)
- Graduate Medical Education, University of Texas Southwestern Medical Center, Dallas, Texas , Residency, Anatomic Pathology, Department of Pathology, (2010)
- Medical, University of Texas Southwestern Medical Center, Dallas, Texas , Medical Scientist Training Program Doctor of Medicine (MD) Genetics and Development Program, Doctor of Philosophy (PhD) Thesis: The MEF2C Transcription Factor is an Essential Regulator of Bone Development Thesis Mentor: Dr. Eric N. Olson (2008)

- Undergraduate, University of Rochester, Rochester, New York , College of Arts and Sciences; Major in Molecular Genetics; Bachelor of Science (BS), Cum Laude Senior Thesis: Perturbation of TGF- β Superfamily Signaling Alters Sea Urchin Ectoderm Fates (1999)

Publications

PUBLICATIONS

- **Therapy-related mutational signatures in subsequent neoplasms among survivors of childhood cancer.** *Cancer discovery*
Brady, S. W., Arnold, M. A., Wang, M., Alsallaq, R., Dong, L., Khan, M. A., Yang, W., Stratton, K. L., Liu, W., Chen, Y., Plyler, E., Steele, J. A., Powers, et al
2026
- **Pathology podcasts: a growing educational tool** *ACADEMIC PATHOLOGY*
Mohamed, S., Schukow, C. P., Worthy, J., Strenk, D., Jackson, N. R., Loghavi, S., Jiang, X., Bellizzi, A. M., Arnold, M. A.
2025; 12 (4): 100227
- **Basal cell carcinoma risk prediction in survivors of childhood cancer** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*
Im, C., Boull, C., Lu, Z., Liao, K., Hasan, H., Xu, L., Sapkota, Y., Howell, R. M., Arnold, M. A., Conces, M. R., Houston, A. J., Gebauer, J., Langer, et al
2025; 117 (11): 2352-2361
- **MyoD is essential in rhabdomyosarcoma by promoting survival through differentiation and CYLD** *ISCIENCE*
Oles, A. R., Yu, P. Y., Udeme, A., Sharma, S., Londhe, P., Pryce, B. R., Talbert, E. E., Hill, E. M., Miranda, C. J., Kaspar, B. K., Arnold, M. A., Hyland, J., London, et al
2025; 28 (8): 113149
- **The impact of genetic ancestry on survival outcomes in pediatric rhabdomyosarcoma: A report from the Children's Oncology Group** *HUMAN GENETICS AND GENOMICS ADVANCES*
Onwuka, E. A., Magyar, C. L., Martin-Giacalone, B. A., Scheurer, M. E., Marquez-Do, D. A., Zobeck, M., Atkinson, E. G., Rudzinski, E. R., Arnold, M. A., Barkauskas, D. A., Hall, D., Khan, J., Shern, et al
2025; 6 (3): 100466
- **Body Mass Index, Physical Activity, and Subsequent Neoplasm Risk Among Childhood Cancer Survivors** *JAMA ONCOLOGY*
Joffe, L., Mirzaei, S., Bhatia, S., Darji, H., Ness, K. K., Onerup, A., Ladas, E. J., Im, C., Lupo, P. J., Oeffinger, K. C., Friedman, D., Howell, R. M., Conces, et al
2025; 11 (8): 835-845
- **Treatment, toxicity, and mortality after subsequent breast cancer in female survivors of childhood cancer** *NATURE COMMUNICATIONS*
Im, C., Hasan, H., Stene, E., Monick, S., Rader, R. K., Sheade, J., Wolfe, H., Lu, Z., Spector, L. G., McDonald, A. J., Nolan, V., Arnold, M. A., Conces, et al
2025; 16 (1): 3088
- **Nonorbital, Nonparameningeal Head and Neck Rhabdomyosarcoma: A Report From the Children's Oncology Group** *PEDIATRIC BLOOD & CANCER*
Aye, J. M., Xue, W., Gao, Z., Ladra, M., Indelicato, D. J., Sheyn, A., Dasgupta, R., Arnold, M. A., Shenoy, A., Linardic, C. M., Venkatramani, R.
2025; 72 (6): e31673
- **Loss of H3K27me3 Is Not Specific to Malignant Triton Tumor: Immunohistochemical Analysis of 23 Cases of Embryonal Rhabdomyosarcoma.** *Archives of pathology & laboratory medicine*
Warmke, L. M., Davis, J. L., Al-Ibraheemi, A., Arnold, M., Tan, S., Shenoy, A., Surrey, L. F., Parham, D. M., Rudzinski, E. R.
2025
- **Temporal trends of subsequent central nervous system malignancies among survivors of childhood cancer** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*
Galvin, R. T., Chen, Y., Yuan, Y., Cooney, T., Howell, R., Smith, S., Arnold, M. A., Conces, M., Leisenring, W., Armstrong, G. T., Neglia, J. P., Turcotte, L. M.
2025; 117 (5): 1036-1045
- **Keratinocyte carcinomas in survivors of childhood cancer: A report from the childhood cancer survivor study** *JOURNAL OF THE AMERICAN ACADEMY OF DERMATOLOGY*
Boull, C., Chen, Y., Im, C., Geller, A., Sapkota, Y., Bates, J. E., Howell, R., Arnold, M. A., Conces, M., Constine, L. S., Robison, L., Yasui, Y., Armstrong, et al

2024; 91 (6): 1125-1135

- **Late subsequent leukemia after childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS)** *CANCER MEDICINE*
Ghosh, T., Hyun, G., Dhaduk, R., Conces, M., Arnold, M. A., Howell, R. M., Henderson, T. O., Mcdonald, A., Robison, L. L., Yasui, Y., Ness, K. K., Armstrong, G. T., Neglia, et al
2024; 13 (20): e70086
- **Children and young adults with newly diagnosed rhabdomyosarcoma metastatic to bone treated on Children's Oncology Group studies.** *Pediatric blood & cancer*
Schloemer, N. J., Xue, W., Qumseya, A., Luo, L. Y., Hiniker, S. M., Lautz, T. B., Rhee, D. S., Arnold, M. A., Venkatramani, R.
2024: e31200
- **Natural Histories and Disease Complications in a Cohort of 151 Children With Gastric or Duodenal Eosinophilia** *AMERICAN JOURNAL OF GASTROENTEROLOGY*
Quinn, L. A., Burger, C., Nguyen, B., Arnold, M. A., Menard-Katcher, C., Pan, Z., Furuta, G. T., Bauer, M. E.
2024; 119 (7): 1298-1308
- **Addition of tlemsirrolimus to chemotherapy in children, adolescents, and young adults with intermediate-risk rhabdomyosarcoma (ARST1431): a randomised, open-label, phase 3 trial from the Children's Oncology Group** *LANCET ONCOLOGY*
Gupta, A. A., Xue, W., Harrison, D. J., Hawkins, D. S., Dasgupta, R., Wolden, S., Shulkin, B., Qumseya, A., Routh, J. C., MacDonald, T., Feinberg, S., Crompton, B., Rudzinski, et al
2024; 25 (7): 912-921
- **Virtual Pathology Elective, Real Education The PathElective.com Experience as a Model for Novel Pathology Pedagogy and a Primer for Curricular Evolution** *ARCHIVES OF PATHOLOGY & LABORATORY MEDICINE*
Lilley, C. M., Arnold, C. A., Arnold, M. A., Booth, A. L., Gardner, J. M., Jiang, X., Loghavi, S., Mirza, K. M.
2024; 148 (5): 595-602
- **Polygenic risk scores, radiation treatment exposures and subsequent cancer risk in childhood cancer survivors.** *Nature medicine*
Gibson, T. M., Karyadi, D. M., Hartley, S. W., Arnold, M. A., Berrington de Gonzalez, A., Conces, M. R., Howell, R. M., Kapoor, V., Leisenring, W. M., Neglia, J. P., Sampson, J. N., Turcotte, L. M., Chanock, et al
2024; 30 (3): 690-698
- **Adolescents and young adults with rhabdomyosarcoma: A report from the Soft Tissue Sarcoma Committee of the Children's Oncology Group.** *Pediatric blood & cancer*
Harrison, D. J., Qumseya, A., Xue, W., Arnold, M., Lautz, T. B., Hiniker, S. M., Thomas, S. M., Venkatramani, R., Weiss, A. R., Mascarenhas, L.
2024: e30847
- **Histological transitional zone pull-through in Hirschsprung disease. Postoperative functional results and current recommendations** *BOLETIN MEDICO DEL HOSPITAL INFANTIL DE MEXICO*
Torre, L., Dominguez, A., Arnold, M., Lovell, M., Martinez, D., Bischoff, A., Wehrli, L.
2023; 80 (6): 331-338
- **ALK-Rearranged Epithelioid Mesenchymal Neoplasm: Expanding the Spectrum of Tyrosine Kinase-Altered Mesenchymal Tumors** *MODERN PATHOLOGY*
Gestrich, C. K., Davis, J. L., Biederman, L., John, I., Alaggio, R., Giovannoni, I., Arnold, M. A., Shenoy, A., Tchakarov, A., Al-Ibraheemi, A.
2023; 36 (12): 100334
- **Prognosis of children and young adults with newly diagnosed rhabdomyosarcoma metastatic to bone marrow treated on Children's Oncology Group studies.** *Pediatric blood & cancer*
Schloemer, N. J., Xue, W., Qumseya, A., Luo, L. Y., Hiniker, S. M., Lautz, T. B., Rhee, D. S., Arnold, M. A., Venkatramani, R.
2023: e30701
- **Polygenic Risk and Chemotherapy-Related Subsequent Malignancies in Childhood Cancer Survivors: A Childhood Cancer Survivor Study and St Jude Lifetime Cohort Study Report** *JOURNAL OF CLINICAL ONCOLOGY*
Im, C., Sharafeldin, N., Yuan, Y., Wang, Z., Sapkota, Y., Lu, Z., Spector, L. G., Howell, R. M., Arnold, M. A., Hudson, M. M., Ness, K. K., Robison, L. L., Bhatia, et al
2023; 41 (27): 4381-+
- **Subsequent female breast cancer risk associated with anthracycline chemotherapy for childhood cancer** *NATURE MEDICINE*
Wang, Y., Ronckers, C. M., van Leeuwen, F. E., Moskowitz, C. S., Leisenring, W., Armstrong, G. T., de Vathaire, F., Hudson, M. M., Kuehni, C. E., Arnold, M. A., Demoor-Goldschmidt, C., Green, D. M., Henderson, et al

2023; 29 (9): 2268+

- **The Pathologic Diagnosis of Pediatric Soft Tissue Tumors in the Era of Molecular Medicine: The Sarcoma Pediatric Pathology Research Interest Group Perspective.** *Archives of pathology & laboratory medicine*
Black, J. O., Al-Ibraheemi, A., Arnold, M. A., Coffin, C. M., Davis, J. L., Parham, D. M., Rudzinski, E. R., Shenoy, A., Surrey, L. F., Tan, S. Y., Spunt, S. L.
2023
- **Survival of patients with orbital and eyelid rhabdomyosarcoma treated on Children's Oncology Group studies from 1997 to 2013: A report from the Children's Oncology Group** *CANCER*
Metts, J., Xue, W., Gao, Z., Ermoian, R., Bradley, J. A., Arnold, M. A., Dasgupta, R., Venkatramani, R., Walterhouse, D.
2023; 129 (11): 1735-1743
- **Cohort profile: Risk and risk factors for female breast cancer after treatment for childhood and adolescent cancer: an internationally pooled cohort** *BMJ OPEN*
Wang, Y., Kremer, L. C. M., van Leeuwen, F. E., Armstrong, G. T., Leisenring, W., de Vathaire, F., Hudson, M. M., Kuehni, C. E., Arnold, M. A., Haddy, N., Demoor-Goldschmidt, C., Diallo, I., Howell, et al
2022; 12 (11): e065910
- **Association of Changes in Cancer Therapy Over 3 Decades With Risk of Subsequent Breast Cancer Among Female Childhood Cancer Survivors A Report From the Childhood Cancer Survivor Study (CCSS)** *JAMA ONCOLOGY*
Henderson, T. O., Liu, Q., Turcotte, L. M., Neglia, J. P., Leisenring, W., Hodgson, D., Diller, L., Kenney, L., Morton, L., de Gonzalez, A., Arnold, M., Bhatia, S., Howell, et al
2022; 8 (12): 1765-1774
- **Esophageal remodeling in eosinophilic esophagitis: Relationships to luminal captured biomarkers of inflammation and periostin** *JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY*
Muir, A. B., Ackerman, S. J., Pan, Z., Benitez, A., Burger, C., Spergel, J. M., Furuta, G. T., Rothman, J., Wilkins, B. J., Arnold, M. A., Dolinsky, L., Grozdanovic, M., Menard-Katcher, et al
2022; 150 (3): 649+
- **Selective Immunoreactivity for WT1 Carboxy-Terminus Distinguishes Desmoplastic Small Round Cell Tumor From its Histologic Mimics** *PEDIATRIC AND DEVELOPMENTAL PATHOLOGY*
Wong, Y., Buckley, K., Iwenofu, O., Singhi, A., Kahwash, S. B., Arnold, C. A., Tan, G., Arnold, M. A.
2022; 25 (5): 504-510
- **Congenital spindle cell rhabdomyosarcoma: An international cooperative analysis** *EUROPEAN JOURNAL OF CANCER*
Whittle, S., Venkatramani, R., Schoenstein, A., Pack, S. D., Alaggio, R., Vokuhl, C., Rudzinski, E. R., Wulf, A., Zin, A., Gruver, J. R., Arnold, M. A., Merks, J. H. M., Hettmer, et al
2022; 168: 56-64
- **Cytotoxic T-Lymphocyte-Associated Antigen 4 Haploinsufficiency Mimics Difficult-to-Treat Inflammatory Bowel Disease** *CLINICAL GASTROENTEROLOGY AND HEPATOLOGY*
Constant, B. D., Dutmer, C. M., Arnold, M. A., Hall, C., Abbott, J. K., de Zoeten, E. F.
2022; 20 (4): E696-E702
- **Short NK- and Naive T-Cell Telomere Length Is Associated with Thyroid Cancer in Childhood Cancer Survivors: A Report from the Childhood Cancer Survivor Study** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Man, T., Aubert, G., Richard, M. A., LeJeune, W., Hariri, E., Goltsova, T., Gaikwad, A., Chen, Y., Whitton, J., Leisenring, W. M., Arnold, M. A., Neglia, J. P., Yasui, et al
2022; 31 (2): 453-460
- **Polygenic Risk Score Improves Risk Stratification and Prediction of Subsequent Thyroid Cancer after Childhood Cancer** *CANCER EPIDEMIOLOGY BIOMARKERS & PREVENTION*
Song, N., Liu, Q., Wilson, C. L., Sapkota, Y., Ehrhardt, M. J., Gibson, T. M., Morton, L. M., Chanock, S. J., Neglia, J. P., Arnold, M. A., Michael, J., Gout, A. M., Mulder, et al
2021; 30 (11): 2096-2104
- **Subsequent malignant neoplasms in the childhood cancer survivor study: Occurrence of cancer types in which human papillomavirus is an established etiologic risk factor** *CANCER*
Henderson, T. O., Fowler, B. W., Hamann, H. A., Nathan, P. C., Whitton, J., Leisenring, W. M., Oeffinger, K. C., Neglia, J. P., Turcotte, L. M., Arnold, M. A., Conces, M. R., Howell, R. M., Robison, et al

2022; 128 (2): 373-382

- **Is the appendix a good organ to diagnose total colonic aganglionosis?** *PEDIATRIC SURGERY INTERNATIONAL*
Reppucci, M. L., Arnold, M. A., Lovell, M., Santos-Jasso, K., Ketzer, J., Pena, A., de la Torre, L., Bischoff, A.
2022; 38 (1): 25-30
- **Development and Validation of a Breast Cancer Risk Prediction Model for Childhood Cancer Survivors Treated With Chest Radiation: A Report From the Childhood Cancer Survivor Study and the Dutch Hodgkin Late Effects and LATER Cohorts** *JOURNAL OF CLINICAL ONCOLOGY*
Moskowitz, C. S., Ronckers, C. M., Chou, J. F., Smith, S. A., Friedman, D., Barnea, D., Kok, J. L., de Vries, S., Wolden, S. L., Henderson, T. O., Van der Pal, H. J. H., Kremer, L. C. M., Neglia, et al
2021; 39 (27): 3012-+
- **Comprehensive molecular characterization of pediatric radiation-induced high-grade glioma** *NATURE COMMUNICATIONS*
DeSisto, J., Lucas, J. T., Xu, K., Donson, A., Lin, T., Sanford, B., Wu, G., Tran, Q. T., Hedges, D., Hsu, C., Armstrong, G. T., Arnold, M., Bhatia, et al
2021; 12 (1): 5531
- **MYOD1 as a prognostic indicator in rhabdomyosarcoma** *PEDIATRIC BLOOD & CANCER*
Ahmed, A. A., Habeebu, S., Farooqi, M. S., Gamis, A. S., Gonzalez, E., Flatt, T., Sherman, A., Surrey, L., Arnold, M. A., Conces, M., Koo, S., Dioufa, N., Barr, et al
2021; 68 (9): e29085
- **The Implementation and Effectiveness of PathElective.com** *ACADEMIC PATHOLOGY*
Lilley, C. M., Arnold, C. A., Arnold, M., Booth, A. L., Gardner, J. M., "Sara" Jiang, X., Loghavi, S., Mirza, K. M.
2021; 8: 23742895211006829
- **Suboptimal outcome for patients with biliary rhabdomyosarcoma treated on low-risk clinical trials: A report from the Children's Oncology Group** *PEDIATRIC BLOOD & CANCER*
Aye, J. M., Xue, W., Palmer, J. D., Walterhouse, D. O., Arnold, M. A., Heaton, T. E., Venkatramani, R.
2021; 68 (4): e28914
- **Neovagina stricture complicated by high-grade dysplasia in a patient with history of cloaca and ulcerative colitis: a case report and review of the literature** *PEDIATRIC SURGERY INTERNATIONAL*
Alaniz, V. I., Wilcox, D. T., Arnold, M., Bodmer, J. L., de la Torre, L., Pena, A., Bischoff, A.
2021; 37 (4): 491-494
- **Neurons populating the rectal extrinsic nerves in humans express neuronal and Schwann cell markers** *NEUROGASTROENTEROLOGY AND MOTILITY*
Woods, C., Kapur, R. P., Bischoff, A., Lovell, M., Arnold, M., Pena, A., Flockton, A., Sharkey, K. A., Belkind-Gerson, J.
2021; 33 (7): e14074
- **Genetic Characterization of Pediatric Sarcomas by Targeted RNA Sequencing** *JOURNAL OF MOLECULAR DIAGNOSTICS*
Avenarius, M. R., Miller, C. R., Arnold, M. A., Koo, S., Roberts, R., Hobby, M., Grossman, T., Moyer, Y., Wilson, R. K., Mardis, E. R., Gastier-Foster, J. M., Pfau, R. B.
2020; 22 (10): 1238-1245
- **Subsequent Neoplasm Risk Associated With Rare Variants in DNA Damage Response and Clinical Radiation Sensitivity Syndrome Genes in the Childhood Cancer Survivor Study** *JCO PRECISION ONCOLOGY*
Morton, L. M., Karyadi, D. M., Hartley, S. W., Frone, M. N., Sampson, J. N., Howell, R. M., Neglia, J. P., Arnold, M. A., Hicks, B. D., Jones, K., Zhu, B., Dagnall, C. L., Karlins, et al
2020; 4: 926-936
- **Renal Tumors in Children and Young Adults Older Than 5 Years of Age** *JOURNAL OF PEDIATRIC HEMATOLOGY ONCOLOGY*
Mansfield, S. A., Lamb, M. G., Stanek, J. R., Arnold, M. A., Ranalli, M., Aldrink, J. H.
2020; 42 (4): 287-291
- **The genomic landscape of undifferentiated embryonal sarcoma of the liver is typified by C19MC structural rearrangement and overexpression combined with TP53 mutation or loss** *PLOS GENETICS*
Setty, B. A., Jinesh, G. G., Arnold, M., Pettersson, F., Cheng, C., Cen, L., Yoder, S. J., Teer, J. K., Flores, E. R., Reed, D. R., Brohl, A. S.
2020; 16 (4): e1008642

- **Genetic variation in *POT1* and risk of thyroid subsequent malignant neoplasm: A report from the Childhood Cancer Survivor Study** *PLOS ONE*
Richard, M. A., Lupo, P. J., Morton, L. M., Yasui, Y. A., Sapkota, Y. A., Arnold, M. A., Aubert, G., Neglia, J. P., Turcotte, L. M., Leisenring, W. M., Sampson, J. N., Chanock, S. J., Hudson, et al
2020; 15 (2): e0228887
- **Comparison of Radiation Dose Reconstruction Methods to Investigate Late Adverse Effects of Radiotherapy for Childhood Cancer: A Report from the Childhood Cancer Survivor Study** *RADIATION RESEARCH*
Schonfeld, S. J., Howell, R. M., Smith, S. A., Neglia, J. P., Turcotte, L. M., Arnold, M. A., Inskip, P. D., Oeffinger, K. C., Moskowitz, C. S., Henderson, T. O., Leisenring, W. M., Gibson, T. M., de Gonzalez, et al
2020; 193 (2): 95-106
- **Survival outcomes of patients with localized FOXO1 fusion-positive rhabdomyosarcoma treated on recent clinical trials: A report from the Soft Tissue Sarcoma Committee of the Children's Oncology Group.** *Cancer*
Heske, C. M., Chi, Y. Y., Venkatramani, R. n., Li, M. n., Arnold, M. A., Dasgupta, R. n., Hiniker, S. M., Hawkins, D. S., Mascarenhas, L. n.
2020
- **Young-Onset Ischemic Colitis: A Condition of Elusive Etiology Frequently Associated With Immune Dysregulation** *INTERNATIONAL JOURNAL OF SURGICAL PATHOLOGY*
Byrnes, K., Khararjian, A., Mannan, A. R., Arnold, M., Voltaggio, L.
2020; 28 (4): 361-366
- **Association of Breast Cancer Risk After Childhood Cancer With Radiation Dose to the Breast and Anthracycline Use A Report From the Childhood Cancer Survivor Study** *JAMA PEDIATRICS*
Veiga, L. H., Curtis, R. E., Morton, L. M., Withrow, D. R., Howell, R. M., Smith, S. A., Weathers, R. E., Oeffinger, K. C., Moskowitz, C. S., Henderson, T. O., Arnold, M. A., Gibson, T. M., Leisenring, et al
2019; 173 (12): 1171-1179
- **Subsequent Neoplasms After a Primary Tumor in Individuals With Neurofibromatosis Type 1** *JOURNAL OF CLINICAL ONCOLOGY*
Bhatia, S., Chen, Y., Wong, F., Hageman, L., Smith, K., Korf, B., Cannon, A., Leidy, D. J., Paz, A., Address, J. E., Friedman, G. K., Metrock, K., Neglia, et al
2019; 37 (32): 3050-+
- **GD2-directed CAR-T cells in combination with HGF-targeted neutralizing antibody (AMG102) prevent primary tumor growth and metastasis in Ewing sarcoma** *INTERNATIONAL JOURNAL OF CANCER*
Charan, M., Dravid, P., Cam, M., Audino, A., Gross, A. C., Arnold, M. A., Roberts, R. D., Cripe, T. P., Pertselmidis, A., Houghton, P. J., Cam, H.
2020; 146 (11): 3184-3195
- **Guidelines for synoptic reporting of surgery and pathology in Hirschsprung disease** *JOURNAL OF PEDIATRIC SURGERY*
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