Stanford



Heike Daldrup-Link

Professor of Radiology (General Radiology) and, by courtesy, of Pediatrics (Hematology/Oncology)

Radiology - Pediatric Radiology

CLINICAL OFFICE (PRIMARY)

- **LPCH Pediatric Radiology**

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  Palo Alto, CA 94304

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

  Mairead Barroso, MA - Administrative Assistant

  Email mairead@stanford.edu

  Tel ((650) 725-2548

Bio

BIO

Heike Elisabeth Daldrup-Link is a clinician-scientist in the Department of Radiology at Stanford University with subspecialisation in pediatric radiology, pediatric oncology imaging, and molecular imaging. Dr. Daldrup-Link trained at the University of Münster and the Technical University of Munich, Germany. She worked as an Assistant and Associate Professor at the University of California, San Francisco from 2003 to 2010, before joining Stanford Radiology in 2010. Her research interest focuses on the development of novel pediatric molecular imaging techniques, which interface observations of living cells with nanoparticle development and multimodality imaging technologies:

Dr. Daldrup-Link developed several novel concepts for pediatric oncology imaging, such as tumor characterization through the EPR effect (US6009342-A), MR imaging of tumor associated inflammation with iron oxide nanoparticles (Clin Ca Res 2011 and 2018), image-guided cancer therapy without side effects through tumor-enzyme activated theranostic nanoparticles (Small 2014 and Molecular Oncology 2019) and radiation-free whole body staging of children with cancer (Lancet Oncology 2014 and Radiology 2020). Dr. Daldrup-Link's cellular imaging studies also yielded several new and patented ideas for in vivo imaging of stem cell transplants establishing immediately clinically applicable technologies for: in vivo stem cell tracking with FDA-approved nanoparticles (US14/161,315), in vivo imaging of stem cell rejection processes with immune-cell targeted tracers, and MRI-detection of stem cell apoptosis with enzyme-activatable contrast agents (ACS Nano 2015) and iron oxide nanoparticle-enhanced MRI (Radiology 2019 and Theranostics 2020). Over the past 20 years, Dr. Daldrup-Link's team has received 89 honors and awards for innovative imaging research.

CLINICAL FOCUS

- Pediatric Radiology
- Pediatric Oncology Imaging

ACADEMIC APPOINTMENTS

- Professor, Radiology - Pediatric Radiology
- Professor (By courtesy), Pediatrics - Hematology & Oncology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Co-Director, Cancer Imaging & Early Detection Program, Stanford Cancer Institute, (2017- present)
- Director, Pediatric Molecular Imaging, Molecular Imaging Program at Stanford, (2017- present)
- Chair, Communications and Publications Committee, World Molecular Imaging Society (WMIS), (2015-2019)
- Co-Chair (with S. Voss, Boston Childrens Hospital), ACR Committee on Pediatric Imaging Research, American College of Radiology, (2013-2017)
- Chair, Imaging and Radiotherapeutics Committee, American Association for Cancer Research Annual Meeting, (2010-2010)

HONORS AND AWARDS

- Best Scientific Presentation Award, Annual Meeting of the International Skeletal Society (ISS) (2025)
- Cover Article, Molecular Pharmaceutics (2025)
- Faculty Fellow, Stanford Medical Humanities Program (2024)
- Semifinalist, 2024 Aunt Minnie Most Influential Radiology Researcher, Aunt Minnie (2024)
- Nomination for the Faculty Women's Forum Outstanding Leader Award, Office of Faculty Development & Diversity (OFDD) at Stanford Medicine (2023)
- Radiology most published authors, Radiological Society of North America (2022, 2024, 2024)
- Nomination, Teaching Award for Outstanding and Innovative Contributions to Medical Education, Henry J. Kaiser Family Foundation (2022)
- Distinguished Lecturer, Department of Radiology, Emory University (2021)
- Distinguished Lecturer, Department of Radiology, University of Washington, Seattle (2021)
- Elected Fellow, World Molecular Imaging Society (WMIS) (2021)
- Semifinalist, 2021 Aunt Minnie Most Influential Radiology Researcher, Aunt Minnie (2021)
- Excellence in Diversity and Inclusion Award, Stanford Biosciences (2020)
- Cover Article, July 2019 issue of Nanomedicine & Nanobiotechnology (2019)
- Cover Article, October 2019 issue of Molecular Oncology (2019)
- Cover Article, July 2019 issue of Radiology (2019)
- Elected Member, International Skeletal Society (2019)
- Harry Fischer Lifetime Achievement Award for Contrast Media Research, Contrast Media Research Conference, CMR, World Molecular Imaging Society, WMIS (2019)
- Cover Article, September 2018 issue of Clinical Cancer Research (2018)
- Member, AIMBE College of Fellows, American Institute for Medical and Biological Engineering (AIMBE) (2018)
- John F. Caffey Lecture, The Children's Hospital of Philadelphia (CHOP), PA (2017)
- RSNA Bronze Visionary Donor Award (T. Link and H. Daldrup-Link), RSNA Research & Education Foundation (2017)
- 'Ken Fellows Lecture', The Children's Hospital of Philadelphia (CHOP), PA (2016)
- Member, American Society for Clinical Investigation (ASCI) (2015)
- Jorge Barrio Plenary Lecture for Advances in Clinical Research on Stem Cell Imaging, World Molecular Imaging Congress (2014)
- Research featured on the cover of the March issue, Small (2014)
- Harvey White Memorial Lecture, Ann & Robert H. Lurie Children's Hospital, Northwestern University Feinberg School of Medicine, Chicago (2013)
- Berdon Award for the best basic science paper, published in Pediatric Radiology in 2011, Society for Pediatric Radiology (2012)
- Distinguished Investigator Award, Academy of Radiology Research (2012)

- R.O.S.E. Award (Recognition of Service Excellence), Lucile Packard Children's Hospital, Stanford University (2012)
- Author of the 10th and 17th most cited articles (out of 1,100 articles), Journal of Visualized Experiments (2011)
- Distinguished Reviewer, Journal of Magnetic Resonance Imaging, International Society for Magnetic Resonance in Medicine (2011)
- Editor's recognition award with special distinction for reviews for the journal Radiology, Radiology Editorial Board (2011)
- Research featured on the cover of the September issue, Clinical Cancer Research (2011)
- Editor's recognition award with special distinction for reviews for the journal Radiology, Radiology Editorial Board (2010)
- Berdon Award for the best basic science paper, published in Pediatric Radiology in 2008, Society for Pediatric Radiology (2009)
- Caffey Award for Basic Sciences, Society for Pediatric Radiology (2007)
- New Investigators Award, American Association of University Radiologists (AUR) (2006)
- Innovation in Science Award for Research on Targeted MR Contrast Agents, University of California in San Francisco (UCSF) (2005)
- Roentgen Award for research on "New Molecular Imaging Techniques for Bone Marrow Imaging", Roentgen Society (2005)
- Stipend for International Young Academics, Radiological Society of North America (RSNA) (2002)
- Coolidge Award for Research on Macromolecular MR Contrast Agents, Roentgen Society, Award sponsored by GE Medical Systems (2000)
- Caffey Award for Basic Sciences, Society for Pediatric Radiology (1997)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Pediatric PET/MR Working Group, Society for Nuclear Medicine (SNM) and European Association of Nuclear Medicine (EANM) (2025 - 2026)
- Research and Education Foundation Board, Society for Pediatric Radiology (SPR) (2023 - 2025)
- MR Imaging Committee, Society for Pediatric Radiology (SPR) (2022 - 2023)
- Noninterpretive Skills and Practice Management Committee, Radiological Society of North America (RSNA) (2021 - 2025)
- Awards Committee, World Molecular Imaging Society (WMIS) (2021 - 2023)
- Oncology Imaging Committee, Society for Pediatric Radiology (2019 - present)
- Member, Editorial Board, Journal of Nuclear Medicine (2018 - present)
- Member, RSNA Margulis Award Nominating Committee, Radiological Society of North America (2018 - present)
- Reviewer and special emphasis panel member, Loan Repayment Program, National Cancer Institute (2018 - present)
- Member, Education Committee, Annual Meeting of the American Association for Cancer Research (2018 - 2019)
- Member, Imaging Subcommittee and Review Committee, Fellow Nominations, American Institute for Medical and Biomedical Engineering (2018 - 2019)
- Member, Editorial Board, Nanotheranostics (2017 - present)
- Member, Program Committee, Contrast Media Research Conference (CMR 2017), WMIS: http://contrastmediaresearch.org (2017 - present)
- Global Council Member, World Molecular Imaging Society, European Society for MI and Federation of Asian Societies for MI (2017 - 2019)
- Member, Leadership Committee, Women In Molecular Imaging Network (WIMIN), World Molecular Imaging Society (WMIS) (2016 - present)
- Member, Pediatric Radiology Committee, Radiological Society of North America (RSNA) (2015 - present)
- Co-Chair and Organizer (together with Eric Ahrens, UCSD), ISMRM Cell Tracking Workshop, La Jolla, CA (2015 - 2015)
- International Advisory Board, The Lancet Hematology (2014 - present)
- Member, Board of Trustees, World Molecular Imaging Society (2014 - 2018)
- Member, American College of Radiology Commission on Pediatric Imaging (2013 - 2017)
- Member, Bylaws Committee, Society for Pediatric Radiology (SPR) (2012 - 2013)
- Associate Editor for “Contrast Media”, Radiology (2011 - 2018)
- Member, Education Exhibits Committee, Annual Meeting of the Radiological Society of North America (RSNA) (2011 - 2018)

- Deputy Editor, Academic Radiology (2010 - present)
- Member, Molecular Imaging Committee, Annual Meeting of the Radiological Society of North America (RSNA) (2010 - 2012)
- Editorial Board Member, Pediatric Radiology (2007 - 2015)
- Member, scientific program committee, Association of University Radiologists (AUR) (2007 - 2015)
- Member, Children's Oncology Group (2004 - present)
- Editorial Board Member, European Radiology (2003 - 2012)

PROFESSIONAL EDUCATION

- Residency: Technical University of Munich School of Medicine and Health (2001) Germany
- Fellowship: UCSF Dept of Radiology (1997) CA
- Board Certification: Pediatric Radiology, American Board of Radiology (2019)
- CAQ, American Board of Radiology , Continued added qualification in Pediatric Radiology (2019)
- Board Certification: Diagnostic Radiology, American Board of Radiology (2015)
- Fellowship: Schwabing Children's Hospital Kinderklinkik Schwabing (2003) Germany
- Radiology Board Certification, Bavarian Medical Association (Bayerische Landesärztekammer; BLÄK) , Radiology (2001)
- Residency: University of Munster Medical School (2000) Germany
- Internship: University of Munster Medical School (1995) Germany
- Medical Education: University of Munster Medical School (1993) Germany

COMMUNITY AND INTERNATIONAL WORK

- Member, Greenpeace
- Member of the American College of Radiology (ACR) Foundation International Outreach Committee

PATENTS

- Thomas M Meade and Heike Daldrup-Link. "United States Patent US20250114483 Magnetic Resonance Imaging for Detection and Imaging of Senescence", Northwestern University and Stanford University
- Heike Daldrup-Link. "United States Patent WO/2018/217943 Anti-Warburg Nanoparticles", Leland Stanford Junior University, Apr 16, 2020
- Hossein Nejadnik, Olga Lenkov, Heike Daldrup-Link. "United States Patent 14/210,752 Compositions and methods for mesenchymal and/or chondrogenic differentiation of stem cells", Stanford University, Mar 14, 2014
- Robert Falconer, Paul Loadman (Bradford), Jason Gill (Durham); Jianghong Rao; Heike Daldrup-Link (Stanford). "United States Patent 13-005 Activatable theranostic nanoparticles", Bradford University, UK and Stanford University, USA, Aug 15, 2013
- Heike Daldrup-Link. "United States Patent 13/923962 Immunotherapy for cancer treatment using iron oxide nanoparticles", Stanford University, Jun 21, 2013
- Heike Daldrup-Link. "United States Patent 61/755283 In vivo iron labeling of stem cells and tracking these labeled stem cells after their transplantation", Stanford University, Jan 22, 2013
- Heike Daldrup-Link, David Shames, Robert Brasch. "United States Patent US6009342-A Imaging method for determining the pathologic grade of a tumor in situ, useful for determining malignancy or non-malignancy", University of California San Francisco, Feb 27, 1998

LINKS

- Daldrup-Link Lab Site: http://daldrup-link-lab.stanford.edu/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

As a physician-scientist involved in the care of pediatric patients and developing novel pediatric molecular imaging technologies, my goal is to link the fields of nanotechnology and medical imaging towards more efficient diagnoses and image-guided therapies. Our research team develops novel imaging

techniques for improved cancer diagnosis, for image-guided-drug delivery and for in vivo monitoring of cell therapies in children and young adults. Over the past 15 years, our team successfully translated numerous new imaging technologies from preclinical research concepts to clinical applications, thereby creating direct value for our patients.

Weblink: http://daldrup-link-lab.stanford.edu/

CLINICAL TRIALS

- Pediatric PET/MR Image Registry, Recruiting
- Development of Radiation Free Whole Body Magnetic Resonance (MR) Imaging Technique for Staging Children With Cancer, Not Recruiting
- Differentiation of Bone Sarcomas and Osteomyelitis With Ferumoxytol-Enhanced MRI, Not Recruiting
- Imaging Kidney Transplant Rejection Using Ferumoxytol-Enhanced Magnetic Resonance, Not Recruiting
- Imaging of Osteonecrosis With Ferumoxytol-Enhanced MRI, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Sharanya Sivanandam, Iryna Vasyliv, Jie Wang

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (PhD Program)
- Medicine (Masters Program)
- Pediatric Radiology (Fellowship Program)
- Stem Cell Biology and Regenerative Medicine (PhD Program)

Publications

PUBLICATIONS

- **MRI detection of senescent cells in porcine knee joints with a β-galactosidase responsive Gd-chelate.** *Npj imaging*
  Nernekli, K., Mangarova, D. B., Suryadevara, V., Hajipour, M., Tang, J. H., Wang, J., Liang, T., Harris, M., Ueyama, T., Lyons, J. K., Moseley, M. E., Roudi, R., Pisani, et al
  2025; 3 (1): 18

- **NIH SenNet Consortium to map senescent cells throughout the human lifespan to understand physiological health** *NATURE AGING*
  Lee, P. J., Benz, C. C., Blood, P., Boerner, K., Campisi, J., Chen, F., Daldrup-Link, H., De Jager, P., Ding, L., Duncan, F. E., Eickelberg, O., Fan, R., Finkel, et al
  2022; 2 (12): 1090-1100

- **In vivo imaging of nanoparticle-labeled CAR T cells.** *Proceedings of the National Academy of Sciences of the United States of America*
  Kiru, L., Zlitni, A., Tousley, A. M., Dalton, G. N., Wu, W., Lafortune, F., Liu, A., Cunanan, K. M., Nejadnik, H., Sulchek, T., Moseley, M. E., Majzner, R. G., Daldrup-Link, et al
  1800; 119 (6)

- **Artificial intelligence enables whole-body positron emission tomography scans with minimal radiation exposure.** *European journal of nuclear medicine and molecular imaging*
  Wang, Y. J., Baratto, L., Hawk, K. E., Theruvath, A. J., Pribnow, A., Thakor, A. S., Gatidis, S., Lu, R., Gummidipundi, S. E., Garcia-Diaz, J., Rubin, D., Daldrup-Link, H. E.
  2021

- **Therapy Response Assessment of Pediatric Tumors with Whole-Body Diffusion-weighted MRI and FDG PET/MRI.** *Radiology*
  Theruvath, A. J., Siedek, F. n., Muehe, A. M., Garcia-Diaz, J. n., Kirchner, J. n., Martin, O. n., Link, M. P., Spunt, S. n., Pribnow, A. n., Rosenberg, J. n., Herrmann, K. n., Gatidis, S. n., Schäfer, et al

2020: 192508

- **Tracking Stem Cell Implants in Cartilage Defects of Minipigs by Using Ferumoxytol-enhanced MRI** *RADIOLOGY*
  Theruvath, A. J., Nejadnik, H., Lenkov, O., Yerneni, K., Li, K., Kuntz, L., Wolterman, C., Tuebel, J., Burgkart, R., Liang, T., Felt, S., Daldrup-Link, H. E.
  2019; 292 (1): 129–37
- **Tracking Cell Transplants in Femoral Osteonecrosis with Magnetic Resonance Imaging: A Proof-of-Concept Study in Patients** *CLINICAL CANCER RESEARCH*
  Theruvath, A. J., Nejadnik, H., Muehe, A. M., Gassert, F., Lacayo, N. J., Goodman, S. B., Daldrup-Link, H. E.
  2018; 24 (24): 6223–29
- **Magnetic Resonance Imaging of Tumor-Associated Macrophages: Clinical Translation** *CLINICAL CANCER RESEARCH*
  Aghighi, M., Theruvath, A. J., Pareek, A., Pisani, L. L., Alford, R., Muehe, A. M., Sethi, T. K., Holdsworth, S. J., Hazard, F. K., Gratzinger, D., Luna-Fineman, S., Advani, R., Spunt, et al
  2018; 24 (17): 4110–18
- **Iron oxide nanoparticles inhibit tumour growth by inducing pro-inflammatory macrophage polarization in tumour tissues.** *Nature nanotechnology*
  Zanganeh, S., Hutter, G., Spitler, R., Lenkov, O., Mahmoudi, M., Shaw, A., Pajarinen, J. S., Nejadnik, H., Goodman, S., Moseley, M., Coussens, L. M., Daldrup-Link, H. E.
  2016; 11 (11): 986-994
- **Ionising radiation-free whole-body MRI versus (18)F-fluorodeoxyglucose PET/CT scans for children and young adults with cancer: a prospective, non-randomised, single-centre study.** *lancet oncology*
  Klenk, C., Gawande, R., Uslu, L., Khurana, A., Qiu, D., Quon, A., Donig, J., Rosenberg, J., Luna-Fineman, S., Moseley, M., Daldrup-Link, H. E.
  2014; 15 (3): 275-285
- **Defining and managing NF1-related peripheral nerve sheath tumors at risk for malignant transformation: Consensus from the Atypical Neurofibroma Symposium.** *Neuro-oncology*
  Romo, C. G., Ahlawat, S., Amrami, K. K., Belzberg, A. J., Blakeley, J. O., Bredella, M. A., Chittiboina, P., Daldrup-Link, H., Dombi, E., Fayad, L., Ferner, R. E., Fisher, M. J., Hawk, et al
  2026
- **The Next Frontier in Quantitative Co-Clinical Imaging to Advance Functional Precision Oncology.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
  Shoghi, K. I., Badea, C. T., Peehl, D. M., Chenevert, T. L., Daldrup-Link, H. E., Hawkins, D. S., Houghton, A. M., Kinahan, P. E., Lewis, M. T., Ma, C. X., Manning, H. C., Miyaoka, R. S., Mowery, et al
  2026
- **Enhanced Glioblastoma Targeting and Penetration: Extracellular Matrix Remodeling by Collagenase-Functionalized Ferumoxytol Nanoparticles.** *Nano letters*
  Wang, J., Annio, G., Duwa, R., Suryadevara, V., Chang, E., Daldrup-Link, H.
  2026; 26 (32): 10607-10616
- **Tumor size limits macrophage activation and imaging response to CD47 blockade in osteosarcoma.** *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*
  Roudi, R., Saladino, G. M., Vasyliv, I., Pisani, L., Wong, J., Reineking, W., Duwa, R., Pribnow, A., Daldrup-Link, H. E.
  2026; 203: 119846
- **Enhanced GlioblastomaTargeting and Penetration: ExtracellularMatrix Remodeling by Collagenase-Functionalized Ferumoxytol Nanoparticles** *NANO LETTERS*
  Wang, J., Annio, G., Duwa, R., Suryadevara, V., Chang, E., Daldrup-Link, H.
  2026
- **Quantitative detection of macrophage activation in osteosarcoma comparing 18F-FDG PET/CT with ferumoxytol-enhanced MRI.** *Scientific reports*
  Roudi, R., Habte, F., Saladino, G. M., Vasyliv, I., Pisani, L., Wong, J., Syed, A., Daldrup-Link, H. E.
  2026
- **Impact of reader experience on the time-saving potential of a novel computer-aided tool for Ann Arbor staging of pediatric hodgkin lymphoma.** *Frontiers in nuclear medicine*

Vasyliv, I., Barrow, M. J., Baratto, L., Kim, H. G., von Krüchten, V. R., Lokesha, Y. U., Sarrami, A. H., Moeremans, M., Guja, K. E., Hawk, K. E., Daldrup-Link, H. E.
2026; 6: 1843299

- **Emerging Theranostic Radiometals (149Tb, 44Sc, 52Mn, 203Pb, 55Co)-Decay Diversity, Production Landscape, and Translational Imaging.** *Pharmaceuticals (Basel, Switzerland)*
  Malik, N., Lokesha, Y. U., Habte, F. G., Daldrup-Link, H. E.
  2026; 19 (6)
- **Transient blood-brain barrier opening by focused ultrasound enhances ferumoxytol accumulation in glioblastoma.** *Materials today. Bio*
  Saladino, G. M., Martinez, P. J., Wang, J., Roudi, R., Annio, G., Airan, R. D., Daldrup-Link, H. E.
  2026; 38: 103280
- **Role of diffusion-weighted MRI in assessing Ewing sarcoma treatment response: Findings from a COG phase III trial.** *Magnetic resonance imaging*
  von Krüchten, R., DelRocco, N. J., Adams, L. C., Singh, S. B., Varniab, Z. S., Bender, J. G., Krailo, M. D., DuBois, S., Daldrup-Link, H. E.
  2026: 110706
- **Differentiation of MPNSTs from benign neurofibromas in neurofibromatosis patients using ADC and SUV biomarkers in children and young adults.** *Current problems in diagnostic radiology*
  Shokri Varniab, Z., Lokesha, Y. U., Qi, J., Wong, J., Iv, M., Hawk, E., Daldrup-Link, H.
  2026
- **Reply to Letter to the Editor: Deep learning for accurate tumour volume measurement and prediction of therapy response in paediatric osteosarcoma.** *European radiology*
  Daldrup-Link, H. E., von Krüchten, R., Barrow, M.
  2026
- **CNN-based detection of pediatric lymphoma on whole body [18F]FDG-PET/MRI.** *American journal of nuclear medicine and molecular imaging*
  Singh, S. B., Lokesha, Y. U., Wang, H., Barrow, M. J., von Kruechten, R., Vasyliv, I., Sarrami, A. H., Wu, J. T., Baratto, L., Adams, L. C., Kim, H. G., Wong, J., Liang, et al
  2026; 16 (1): 55-62
- **Imaging the efficacy and side effects of CAR T-cell therapy in children and young adults.** *Cancer imaging : the official publication of the International Cancer Imaging Society*
  Vasyliv, I., Varniab, Z. S., Singh, S. B., Johns, C., Ramakrishna, S., Davis, K. L., Daldrup-Link, H. E.
  2026
- **Correction: Dual-enzyme activated theranostic nanoparticles for image-guided glioblastoma therapy.** *Scientific reports*
  Varniab, Z. S., Chang, E., Wang, J., Duwa, R., Suryadevara, V., Wu, W., Kumar, M., Liang, T., Khatoon, Z., Morais, G. R., Falconer, R., Shi, Y., Tikhomirov, et al
  2026; 16 (1): 4475
- **Impact of reader experience on the time-saving potential of a novel computer-aided tool for Ann Arbor staging of pediatric hodgkin lymphoma** *Frontiers in Nuclear Medicine*
  Vasyliv, I.
  2026
- **Deep learning for accurate tumour volume measurement and prediction of therapy response in paediatric osteosarcoma.** *European radiology*
  von Krüchten, R., Barrow, M., Adams, L., Singh, S. B., Varniab, Z. S., Suryadevara, V., Ghimire, P., Pribnow, A., Qi, J., Applin, D., Lokesha, Y. U., Nernekli, K., Daldrup-Link, et al
  2025
- **A Phase 2 Trial of RANKL Antibody, Denosumab, in Two Cohorts of Patients with Recurrent / Refractory Osteosarcoma, A Report from the Children's Oncology Group (COG).** *Clinical cancer research : an official journal of the American Association for Cancer Research*
  Janeway, K. A., Chou, A. J., Buxton, A., Reid, J., Isakoff, M. S., Kopp, L., Hingorani, P., Lee, J. L., Doski, J., Daldrup-Link, H., Hall, L., Randall, R. L., Reed, et al
  2025
- **Apparent diffusion coefficient can assist in differentiating between benign and malignant primary bone tumors in pediatric patients.** *Skeletal radiology*

Lokesha, Y. U., Singh, S. B., von Krüchten, R., Varniab, Z. S., Kumar, M., Suryadevara, V., Sarrami, A. H., Liang, T., Wong, J., Pribnow, A., Daldrup-Link, H. E.
2025

- **B7-H4 ImmunoPET Imaging Tracks Tumor-Associated Macrophage Changes in Prostate Cancer.** *Molecular pharmaceutics*
  Kumar, M., Singh, S. B., Vasyliv, I., Habte, F., Kalita, M., Alam, I. S., Koladiya, A., Dai, S. Y., James, M., Rao, J., Beziere, N., Daldrup-Link, H. E.
  2025
- **Impact of CAR T cell therapy on thymus size in children and young adults with acute lymphoblastic leukemia.** *Scientific reports*
  Vasyliv, I., Kim, H. G., Erickson, C., Baggott, C., Schultz, L. M., Liang, T., Ramakrishna, S., Devis, K. L., Daldrup-Link, H. E.
  2025; 15 (1): 30360
- **Dual-enzyme activated theranostic nanoparticles for image-guided glioblastoma therapy.** *Scientific reports*
  Shokri Varniab, Z., Chang, E., Wang, J., Duwa, R., Suryadevara, V., Wu, W., Kumar, M., Liang, T., Khatoon, Z., Morais, G. R., Falconer, R., Shi, Y., Tikhomirov, et al
  2025; 15 (1): 13540
- **Multimodal imaging approach to track theranostic nanoparticle accumulation in glioblastoma with magnetic resonance imaging and intravital microscopy.** *Nanoscale*
  Saladino, G. M., Mangarova, D. B., Nernekli, K., Wang, J., Annio, G., Varniab, Z. S., Khatoon, Z., Ribeiro Morais, G., Shi, Y., Chang, E., Pisani, L. J., Tikhomirov, G., Falconer, et al
  2025
- **Brain MRI changes in children and young adults with B-cell acute lymphoblastic leukemia following chimeric antigen receptor T-cell therapy.** *European radiology*
  Kim, H. G., Yeom, K. W., Vasyliv, I., Shokri Varniab, Z., Erickson, C., Baggott, C., Schultz, L. M., Daldrup-Link, H. E.
  2025
- **Shark Tank: behind the scenes.** *Pediatric radiology*
  Sze, R., Chan, S., Daldrup-Link, H., Huisman, T. A., Reid, J., Whalen, J., Darge, K.
  2025
- **Neuroimaging evaluation of high dose methotrexate-induced neurotoxicity in pediatric and young adults: a PET/MRI study.** *Frontiers in neuroimaging*
  Shokri Varniab, Z., Kim, H. G., von Krüchten, R., Lokesha, Y. U., Hawk, K. E., Singh, S. B., Liang, T., Lu-Liang, S., Baratto, L., Iv, M., Daldrup-Link, H. E.
  2025; 4: 1659480
- **Whole-Body MRI in Children: Concepts and Controversies-AJR Expert Panel Narrative Review.** *AJR. American journal of roentgenology*
  Bernal, S. G., Chan, S. S., Cho, Y. Y., Daldrup-Link, H. E., Gee, M. S., Kemp, J. M., Kraus, M. S., Meyers, A. B., von Krüchten, V. R., Greer, M. C.
  2025
- **Reproducibility and repeatability of quantitative T2 and T2* mapping of osteosarcomas in a mouse model.** *European radiology experimental*
  Roudi, R., Pisani, L. J., Pisani, F., Liang, T., Daldrup-Link, H. E.
  2024; 8 (1): 74
- **SenNet recommendations for detecting senescent cells in different tissues.** *Nature reviews. Molecular cell biology*
  Suryadevara, V., Hudgins, A. D., Rajesh, A., Pappalardo, A., Karpova, A., Dey, A. K., Hertzel, A., Agudelo, A., Rocha, A., Soygur, B., Schilling, B., Carver, C. M., Aguayo-Mazzucato, et al
  2024
- **Applications of Artificial Intelligence for Pediatric Cancer Imaging.** *AJR. American journal of roentgenology*
  Singh, S. B., Sarrami, A. H., Gatidis, S., Varniab, Z. S., Chaudhari, A., Daldrup-Link, H. E.
  2024
- **Favorable Outcome of High-grade Endometrial Stromal Sarcoma in an Adolescent.** *Journal of pediatric hematology/oncology*
  Hu, B., Howitt, B. E., Cizek, S., Diver, E., Hiniker, S., Crane, J., Daldrup-Link, H., Spunt, S. L.
  2024
- **Detecting High-Dose Methotrexate-Induced Brain Changes in Pediatric and Young Adult Cancer Survivors Using [18F]FDG PET/MRI: A Pilot Study.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*

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