



## Heike Daldrup-Link

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

Radiology - Pediatric Radiology

### CLINICAL OFFICES

- **Pediatric Radiology**

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Palo Alto, CA 94304

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### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Eileen Misquez - Administrative Assistant

**Email** [emisquez@stanford.edu](mailto:emisquez@stanford.edu)

**Tel** (650) 497-8401

### Bio

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#### 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 10 years, Dr. Daldrup-Link's team has received 77 honors and awards for innovative cellular imaging research.

#### CLINICAL FOCUS

- Pediatric Radiology
- Pediatric Oncology Imaging
- Diagnostic Radiology

#### 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**

- Associate Chair for Diversity, Department of Radiology, Stanford School of Medicine, (2017- present)
- 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**

- 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**

- Diversity & Inclusion Committee, Society for Pediatric Radiology (2020 - present)
- Member, Nominations Committee for WMIS president and board members, World Molecular Imaging Society (2020 - present)
- Ad hoc reviewer, ZCA1 SRB-K Study Section: Clinical & Translational Research, NCI (2019 - present)
- 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**

- CAQ, American Board of Radiology , Continued added qualification in Pediatric Radiology (2019)
- Board Certification: Diagnostic Radiology, American Board of Radiology (2015)
- Fellowship: UCSF Diagnostic Radiology Residency (1997) CA
- Fellowship: Schwabing Children's Hospital Kinderklinik Schwabing (2003) Germany
- Radiology Board Certification, Bavarian Medical Association (Bayerische Landesärztekammer; BLÄK) , Radiology (2001)

- Residency: Technical University of Munich (2001) Germany
- 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

- 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

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### 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

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

## Teaching

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### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Ali Rashidi, Ashok Joseph Theruvath, Yan-Ran (Joyce) Wang, Wei Wu, Michael Zhang

## 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

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### PUBLICATIONS

- **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., Gummidi-pundi, 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 Ferumoxylol-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
- **A novel theranostic strategy for MMP-14 expressing glioblastomas impacts survival.** *Molecular cancer therapeutics*  
Mohanty, S. n., Chen, Z. n., Li, K. n., Morais, G. R., Klockow, J. n., Yerneni, K. n., Pisani, L. n., Chin, F. T., Mitra, S. n., Cheshier, S. n., Chang, E. n., Gambhir, S. S., Rao, et al  
2017
- **Iron oxide nanoparticles inhibit tumour growth by inducing pro-inflammatory macrophage polarization in tumour tissues.** *Nature nanotechnology*  
Zanganeh, S., Hutter, G., Spittler, 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
- **An international expert opinion statement on the utility of PET/MR for imaging of skeletal metastases.** *European journal of nuclear medicine and molecular imaging*  
Husseini, J. S., Amorim, B. J., Torrado-Carvajal, A., Prabhu, V., Groshar, D., Umutlu, L., Herrmann, K., Canamaque, L. G., Garzon, J. R., Palmer, W. E., Heidari, P., Shih, T. T., Sosna, et al  
2021
- **Can the biomolecular corona induce an allergic reaction?-A proof-of-concept study.** *Biointerphases*  
Muehe, A., Nejadnik, H., Muehe, H., Rosenberg, J., Gharibi, H., Saei, A. A., Lyu, S., Nadeau, K. C., Mahmoudi, M., Daldrup-Link, H. E.

2021; 16 (1): 011008

- **Considerations on the Use of Ferumoxytol-enhanced MRI for Tracking Stem Cell Implants in Cartilage Defects Response** *RADIOLOGY*  
Theruvath, A. J., Burgkart, R., Daldrup-Link, H. E.  
2020; 294 (1): 238–39
- **Differentiation of benign and malignant lymph nodes in pediatric patients on ferumoxytol-enhanced PET/MRI** *THERANOSTICS*  
Muehe, A., Siedek, F., Theruvath, A., Seekins, J., Spunt, S. L., Pribnow, A., Hazard, F., Liang, T., Daldrup-Link, H.  
2020; 10 (8): 3612–21
- **Brain iron deposition after Ferumoxytol-enhanced MRI: A study of Porcine Brains.** *Nanotheranostics*  
Theruvath, A. J., Aghighi, M. n., Iv, M. n., Nejadnik, H. n., Lavezo, J. n., Pisani, L. J., Daldrup-Link, H. E.  
2020; 4 (4): 195–200
- **Instant labeling of therapeutic cells for multimodality imaging.** *Theranostics*  
Nejadnik, H., Jung, K. O., Theruvath, A. J., Kiru, L., Liu, A., Wu, W., Sulchek, T., Pratz, G., Daldrup-Link, H. E.  
2020; 10 (13): 6024–34
- **Comparison of ferumoxytol- and gadolinium chelate-enhanced MRI for assessment of sarcomas in children and adolescents.** *European radiology*  
Siedek, F., Muehe, A. M., Theruvath, A. J., Avedian, R., Pribnow, A., Spunt, S. L., Liang, T., Farrell, C., Daldrup-Link, H. E.  
2019
- **Artificial intelligence applications for pediatric oncology imaging.** *Pediatric radiology*  
Daldrup-Link, H.  
2019; 49 (11): 1384–90
- **How to Prevent a Leaky Pipeline in Academic Radiology: Insights From a Faculty Survey** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*  
Daldrup-Link, H., Villavasso, K., Zhao, Q., Lu, Y., Ranieri, A., Simard, C., Gambhir, S.  
2019; 16 (9): 1220–24
- **Magnetic resonance imaging of stem cell-macrophage interactions with ferumoxytol and ferumoxytol-derived nanoparticles** *WILEY INTERDISCIPLINARY REVIEWS-NANOMEDICINE AND NANOBIO TECHNOLOGY*  
Nejadnik, H., Tseng, J., Daldrup-Link, H.  
2019; 11 (4)
- **Rethinking Brain Cancer Therapy: Tumor Enzyme Activatable Theranostic Nanoparticles.** *Molecular imaging*  
Daldrup-Link, H. E.  
; 16: 1536012117730950
- **Ferumoxytol Can Be Used for Quantitative Magnetic Particle Imaging of Transplanted Stem Cells** *MOLECULAR IMAGING AND BIOLOGY*  
Nejadnik, H., Pandit, P., Lenkov, O., Lahiji, A., Yerneni, K., Daldrup-Link, H. E.  
2019; 21 (3): 465–72
- **Association of Tumor [F-18]FDG Activity and Diffusion Restriction with Clinical Outcomes of Rhabdomyosarcomas** *MOLECULAR IMAGING AND BIOLOGY*  
Lahiji, A., Jackson, T., Nejadnik, H., von Eyben, R., Rubin, D., Spunt, S. L., Quon, A., Daldrup-Link, H.  
2019; 21 (3): 591–98
- **From Xrays to PET/MR, and then? - Future imaging in pediatric radiology** *ROFO-FORTSCHRITTE AUF DEM GEBIET DER RONTGENSTRAHLEN UND DER BILDGEBENDEN VERFAHREN*  
Staatz, G., Daldrup-Link, H., Herrmann, J., Hirsch, F., Schaefer, J. F., Seehofnerova, A., Sorantin, E., Theruvath, A., Lollert, A.  
2019; 191 (4): 357–66
- **Tumor Formation of Adult Stem Cell Transplants in Rodent Arthritic Joints** *MOLECULAR IMAGING AND BIOLOGY*  
Chapelin, F., Khurana, A., Moneeb, M., Hazard, F., Chan, C., Nejadnik, H., Gratzinger, D., Messing, S., Erdmann, J., Gaur, A., Daldrup-Link, H. E.  
2019; 21 (1): 95–104
- **Nanoparticle enhanced MRI can monitor macrophage response to CD47 mAb immunotherapy in osteosarcoma** *CELL DEATH & DISEASE*  
Mohanty, S., Yerneni, K., Theruvath, J., Graef, C., Nejadnik, H., Lenkov, O., Pisani, L., Rosenberg, J., Mitra, S., Cordero, A., Cheshier, S., Daldrup-Link, H. E.  
2019; 10

- **Ferumoxytol Does Not Impact Standardized Uptake Values on PET/MR Scans.** *Molecular imaging and biology : MIB : the official publication of the Academy of Molecular Imaging*  
Muehe, A. M., Yerneni, K. n., Theruvath, A. J., Thakor, A. S., Pribnow, A. n., Avedian, R. n., Steffner, R. n., Rosenberg, J. n., Hawk, K. E., Daldrup-Link, H. E.  
2019
- **The yin and yang of imaging tumor associated macrophages with PET and MRI.** *Theranostics*  
Mukherjee, S. n., Sonanini, D. n., Maurer, A. n., Daldrup-Link, H. E.  
2019; 9 (25): 7730–48
- **Theranostic nanoparticles enhance the response of glioblastomas to radiation** *Nanotheranostics*  
Wu, W., Klockow, J. L., Mohanty, S., Ku, K. S., Daldrup-Link, H. E.  
2019; 3(4) (299-310)
- **Investigating macrophage-mediated inflammation in migraine using ultrasmall superparamagnetic iron oxide-enhanced 3T magnetic resonance imaging.** *Cephalalgia : an international journal of headache*  
Khan, S. n., Mohammad Amin, F. n., Petrine Flidner, F. n., Emil Christensen, C. n., Tolnai, D. n., Younis, S. n., Christine Rye Olinger, A. n., Birgens, H. n., Daldrup-Link, H. n., Kjær, A. n., Larsson, H. B., Lindberg, U. n., Ashina, et al  
2019: 333102419848122
- **How to Prevent a Leaky Pipeline in Academic Radiology: Insights From a Faculty Survey.** *Journal of the American College of Radiology : JACR*  
Daldrup-Link, H. n., Villavasso, K. n., Zhao, Q. n., Lu, Y. n., Ranieri, A. n., Simard, C. n., Gambhir, S. S.  
2019
- **Quantification of Macrophages in High-Grade Gliomas by Using Ferumoxytol-enhanced MRI: A Pilot Study** *RADIOLOGY*  
Iv, M., Samghabadi, P., Holdsworth, S., Gentles, A., Rezaii, P., Harsh, G., Li, G., Thomas, R., Moseley, M., Daldrup-Link, H. E., Vogel, H., Wintermark, M., Cheshier, et al  
2019; 290 (1): 198–206
- **GdVO4:Eu3+,Bi3+ Nanoparticles as a Contrast Agent for MRI and Luminescence Bioimaging.** *ACS omega*  
Zhu, G. n., Chen, L. n., Zeng, F. n., Gu, L. n., Yu, X. n., Li, X. n., Jiang, J. n., Guo, G. n., Cao, J. n., Tang, K. n., Zhu, H. n., Daldrup-Link, H. E., Wu, et al  
2019; 4 (14): 15806–14
- **Variability in billing practices for whole-body magnetic resonance imaging: reply to Degnan et al.** *PEDIATRIC RADIOLOGY*  
Schooler, G. R., Davis, J. T., Daldrup-Link, H., Frush, D. P.  
2019; 49 (1): 154
- **The yin and yang of imaging tumor associated macrophages with PET and MRI** *THERANOSTICS*  
Mukherjee, S., Sonanini, D., Maurer, A., Daldrup-Link, H. E.  
2019; 9 (25): 7730–48
- **Improving the efficacy of osteosarcoma therapy: Combining drugs that turn cancer cell "don't eat me" signals off and "eat me" signals on.** *Molecular oncology*  
Mohanty, S. n., Aghighi, M. n., Yerneni, K. n., Theruvath, J. L., Daldrup-Link, H. E.  
2019
- **Clinical Tracking of Cell Transfer and Cell Transplantation: Trials and Tribulations** *RADIOLOGY*  
Bulte, J. M., Daldrup-Link, H. E.  
2018; 289 (3): 604–15
- **Variability in billing practices for whole-body magnetic resonance imaging: reply to Degnan et al.** *Pediatric radiology*  
Schooler, G. R., Davis, J. T., Daldrup-Link, H., Frush, D. P.  
2018
- **Neurovascular Unit: Basic and Clinical Imaging with Emphasis on Advantages of Ferumoxytol** *NEUROSURGERY*  
Netto, J., Iliff, J., Stanimirovic, D., Krohn, K. A., Hamilton, B., Varallyay, C., Gahramanov, S., Daldrup-Link, H., d'Esterre, C., Zlokovic, B., Sair, H., Lee, Y., Taheri, et al  
2018; 82 (6): 770–80
- **Current utilization and procedural practices in pediatric whole-body MRI.** *Pediatric radiology*  
Schooler, G. R., Davis, J. T., Daldrup-Link, H. E., Frush, D. P.

2018

- **Bone marrow oedema predicts bone collapse in paediatric and adolescent leukaemia patients with corticosteroid-induced osteonecrosis** *EUROPEAN RADIOLOGY*  
Theruvath, A., Sukerkar, P., Bao, S., Rosenberg, J., Luna-Fineman, S., Kharbanda, S., Daldrup-Link, H.  
2018; 28 (1): 410–17
- **Quantification of Macrophages in High-Grade Gliomas by Using Ferumoxytol-enhanced MRI: A Pilot Study.** *Radiology*  
Iv, M. n., Samghabadi, P. n., Holdsworth, S. n., Gentles, A. n., Rezaii, P. n., Harsh, G. n., Li, G. n., Thomas, R. n., Moseley, M. n., Daldrup-Link, H. E., Vogel, H. n., Wintermark, M. n., Cheshier, et al  
2018: 181204
- **Writing a review article - Are you making these mistakes?** *Nanotheranostics*  
Daldrup-Link, H. E.  
2018; 2 (2): 197–200
- **Ferumoxytol-based Dual-modality Imaging Probe for Detection of Stem Cell Transplant Rejection.** *Nanotheranostics*  
Li, K. n., Chan, C. T., Nejadnik, H. n., Lenkov, O. D., Wolterman, C. n., Paulmurugan, R. n., Yang, H. n., Gambhir, S. S., Daldrup-Link, H. E.  
2018; 2 (4): 306–19
- **Tracking Human Pluripotent Stem Cell-Derived Cardiomyocytes in Post-Myocardial Infarction Heart with Photoacoustic Imaging**  
Qin, X., Chen, H., Li, K., Yang, H., Wu, H., Zhao, X., Daldrup-Link, H., Wu, J. C.  
LIPPINCOTT WILLIAMS & WILKINS.2017
- **Transfer learning on fused multiparametric MR images for classifying histopathological subtypes of rhabdomyosarcoma.** *Computerized medical imaging and graphics*  
Banerjee, I., Crawley, A., Bhethanabotla, M., Daldrup-Link, H. E., Rubin, D. L.  
2017
- **Next-generation superparamagnetic iron oxide nanoparticles for cancer theranostics.** *Drug discovery today*  
Li, K., Nejadnik, H., Daldrup-Link, H. E.  
2017
- **Ferumoxytol Is Not Retained in Kidney Allografts in Patients Undergoing Acute Rejection.** *Molecular imaging and biology*  
Aghighi, M., Pisani, L., Theruvath, A. J., Muehe, A. M., Donig, J., Khan, R., Holdsworth, S. J., Kambham, N., Concepcion, W., Grimm, P. C., Daldrup-Link, H. E.  
2017
- **Current and potential imaging applications of ferumoxytol for magnetic resonance imaging.** *Kidney international*  
Toth, G. B., Varallyay, C. G., Horvath, A., Bashir, M. R., Choyke, P. L., Daldrup-Link, H. E., Dosa, E., Finn, J. P., Gahramanov, S., Harisinghani, M., Macdougall, I., Neuwelt, A., Vasanawala, et al  
2017
- **Detection of Stem Cell Transplant Rejection with Ferumoxytol MR Imaging: Correlation of MR Imaging Findings with Those at Intravital Microscopy.** *Radiology*  
Daldrup-Link, H. E., Chan, C., Lenkov, O., Taghavigarmestani, S., Nazekati, T., Nejadnik, H., Chapelin, F., Khurana, A., Tong, X., Yang, F., Pisani, L., Longaker, M., Gambhir, et al  
2017: 161139-?
- **Bone marrow oedema predicts bone collapse in paediatric and adolescent leukaemia patients with corticosteroid-induced osteonecrosis.** *European radiology*  
Theruvath, A. J., Sukerkar, P. A., Bao, S. n., Rosenberg, J. n., Luna-Fineman, S. n., Kharbanda, S. n., Daldrup-Link, H. E.  
2017
- **Photoacoustic Imaging of Embryonic Stem Cell-Derived Cardiomyocytes in Living Hearts with Ultrasensitive Semiconducting Polymer Nanoparticles** *Advanced Functional Materials*  
Qin, X., Chen, H., Yang, H., Wu, H., Zhao, X., Wang, H., Chour, T., Neofytou, E., Ding, D., Daldrup-Link, H., Heilshorn, S. C., Li, K., Wu, et al  
2017
- **Ten Things You Might Not Know about Iron Oxide Nanoparticles.** *Radiology*  
Daldrup-Link, H. E.  
2017; 284 (3): 616–29



- **A PET/MR Imaging Approach for the Integrated Assessment of Chemotherapy-induced Brain, Heart, and Bone Injuries in Pediatric Cancer Survivors: A Pilot Study.** *Radiology*  
Theruvath, A. J., Ilivitzki, A. n., Muehe, A. n., Theruvath, J. n., Gulaka, P. n., Kim, C. n., Luna-Fineman, S. n., Sakamoto, K. M., Yeom, K. W., Yang, P. n., Moseley, M. n., Chan, F. n., Daldrup-Link, et al  
2017: 170073
- **The Fermi Paradox in STEM-Where Are the Women Leaders?** *Molecular imaging and biology : MIB : the official publication of the Academy of Molecular Imaging*  
Daldrup-Link, H. E.  
2017
- **Whole-body PET/MRI of Pediatric Patients: The Details That Matter.** *Journal of visualized experiments : JoVE*  
Pareek, A. n., Muehe, A. M., Theruvath, A. J., Gulaka, P. K., Spunt, S. L., Daldrup-Link, H. E.  
2017
- **The Protein Corona around Nanoparticles Facilitates Stem Cell Labeling for Clinical MR Imaging.** *Radiology*  
Nejadnik, H. n., Taghavi-Garmestani, S. M., Madsen, S. J., Li, K. n., Zanganeh, S. n., Yang, P. n., Mahmoudi, M. n., Daldrup-Link, H. E.  
2017: 170130
- **How to Provide Gadolinium-Free PET/MR Cancer Staging of Children and Young Adults in Less than 1 h: the Stanford Approach.** *Molecular imaging and biology : MIB : the official publication of the Academy of Molecular Imaging*  
Muehe, A. M., Theruvath, A. J., Lai, L. n., Aghighi, M. n., Quon, A. n., Holdsworth, S. J., Wang, J. n., Luna-Fineman, S. n., Marina, N. n., Advani, R. n., Rosenberg, J. n., Daldrup-Link, H. E.  
2017
- **How PET/MR Can Add Value For Children With Cancer.** *Current radiology reports*  
Daldrup-Link, H. n.  
2017; 5 (3)
- **Assessment of Chemotherapy Response in Ewing Sarcoma Response** *RADIOLOGY*  
Daldrup-Link, H. E., DuBois, S. G., Aghighi, M., Marina, N., Petit, P.  
2016; 281 (2): 648-49
- **Comparison of MAPiE versus MAP in patients with a poor response to preoperative chemotherapy for newly diagnosed high-grade osteosarcoma (EURAMOS-1): an open-label, international, randomised controlled trial.** *The Lancet. Oncology*  
Marina, N. M., Smeland, S., Bielack, S. S., Bernstein, M., Jovic, G., Krailo, M. D., Hook, J. M., Arndt, C., van den Berg, H., Brennan, B., Brichard, B., Brown, K. L., Butterfass-Bahloul, et al  
2016; 17 (10): 1396-1408
- **Three-dimensional Radiologic Assessment of Chemotherapy Response in Ewing Sarcoma Can Be Used to Predict Clinical Outcome.** *Radiology*  
Aghighi, M., Boe, J., Rosenberg, J., von Eyben, R., Gawande, R. S., Petit, P., Sethi, T. K., Sharib, J., Marina, N. M., DuBois, S. G., Daldrup-Link, H. E.  
2016; 280 (3): 905-915
- **Macrophage phagocytosis alters the MRI signal of ferumoxytol-labeled mesenchymal stromal cells in cartilage defects** *SCIENTIFIC REPORTS*  
Nejadnik, H., Lenkov, O., Gassert, F., Fretwell, D., Lam, I., Daldrup-Link, H. E.  
2016; 6
- **Alk5 inhibition increases delivery of macromolecular and protein-bound contrast agents to tumors.** *JCI insight*  
Daldrup-Link, H. E., Mohanty, S., Ansari, C., Lenkov, O., Shaw, A., Ito, K., Hong, S. H., Hoffmann, M., Pisani, L., Boudreau, N., Gambhir, S. S., Coussens, L. M.  
2016; 1 (6)
- **White Paper on P4 Concepts for Pediatric Imaging** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*  
Daldrup-Link, H. E., Sammet, C., Hernanz-Schulman, M., Barsness, K. A., Cahill, A. M., Chung, E., Doria, A. S., Darge, K., Krishnamurthy, R., Lungren, M. P., Moore, S., Olivieri, L., Panigrahy, et al  
2016; 13 (5): 590-597
- **Speeding up PET/MR for cancer staging of children and young adults.** *European radiology*  
Aghighi, M., Pisani, L. J., Sun, Z., Klenk, C., Madnawat, H., Fineman, S. L., Advani, R., von Eyben, R., Owen, D., Quon, A., Moseley, M., Daldrup-Link, H. E.  
2016: -?
- **Safety Report of Ferumoxytol for Magnetic Resonance Imaging in Children and Young Adults** *INVESTIGATIVE RADIOLOGY*

- Muehe, A. M., Feng, D., von Eyben, R., Luna-Fineman, S., Link, M. P., Muthig, T., Huddleston, A. E., Neuwelt, E. A., Daldrup-Link, H. E.  
2016; 51 (4): 221-227
- **Progressing Toward a Cohesive Pediatric 18F-FDG PET/MR Protocol: Is Administration of Gadolinium Chelates Necessary?** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*  
Klenk, C., Gawande, R., Tran, V. T., Leung, J. T., Chi, K., Owen, D., Luna-Fineman, S., Sakamoto, K. M., McMillan, A., Quon, A., Daldrup-Link, H. E.  
2016; 57 (1): 70-77
  - **Safety Report of Ferumoxytol for Magnetic Resonance Imaging in Children and Young Adults.** *Investigative radiology*  
Muehe, A. M., Feng, D. n., von Eyben, R. n., Luna-Fineman, S. n., Link, M. P., Muthig, T. n., Huddleston, A. E., Neuwelt, E. A., Daldrup-Link, H. E.  
2016; 51 (4): 221-27
  - **Progressing Toward a Cohesive Pediatric F-18-FDG PET/MR Protocol: Is Administration of Gadolinium Chelates Necessary?** *JOURNAL OF NUCLEAR MEDICINE*  
Klenk, C., Gawande, R., Vy Thao Tran, V. T., Leung, J. T., Chi, K., Owen, D., Luna-Fineman, S., Sakamoto, K. M., McMillan, A., Quon, A., Daldrup-Link, H. E.  
2016; 57 (1): 70-77
  - **Improved Approach for Chondrogenic Differentiation of Human Induced Pluripotent Stem Cells** *STEM CELL REVIEWS AND REPORTS*  
Nejadnik, H., Diecke, S., Lenkov, O. D., Chapelin, F., Donig, J., Tong, X., Derugin, N., Chan, R. C., Gaur, A., Yang, F., Wu, J. C., Daldrup-Link, H. E.  
2015; 11 (2): 242-253
  - **Current methods for reducing intussusception: survey results** *PEDIATRIC RADIOLOGY*  
Stein-Wexler, R., O'Connor, R., Daldrup-Link, H., Wootton-Gorges, S. L.  
2015; 45 (5): 667-674
  - **Magnetic resonance imaging of stem cell apoptosis in arthritic joints with a caspase activatable contrast agent.** *ACS nano*  
Nejadnik, H., Ye, D., Lenkov, O. D., Donig, J. S., Martin, J. E., Castillo, R., Derugin, N., Sennino, B., Rao, J., Daldrup-Link, H.  
2015; 9 (2): 1150-1160
  - **Value of F-18-FDG PET and PET/CT for Evaluation of Pediatric Malignancies** *JOURNAL OF NUCLEAR MEDICINE*  
Uslu, L., Donig, J., Link, M., Rosenberg, J., Quon, A., Daldrup-Link, H. E.  
2015; 56 (2): 274-286
  - **Value of 18F-FDG PET and PET/CT for evaluation of pediatric malignancies.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*  
Uslu, L., Donig, J., Link, M., Rosenberg, J., Quon, A., Daldrup-Link, H. E.  
2015; 56 (2): 274-286
  - **Clinical applications of iron oxide nanoparticles for magnetic resonance imaging of brain tumors** *NANOMEDICINE*  
Iv, M., Telischak, N., Feng, D., Holdsworth, S. J., Yeom, K. W., Daldrup-Link, H. E.  
2015; 10 (6): 993-1018
  - **Imaging Tumor Necrosis with Ferumoxytol.** *PloS one*  
Aghighi, M., Golovko, D., Ansari, C., Marina, N. M., Pisani, L., Kurlander, L., Klenk, C., Bhaumik, S., Wendland, M., Daldrup-Link, H. E.  
2015; 10 (11)
  - **Imaging Tumor Necrosis with Ferumoxytol.** *PloS one*  
Aghighi, M., Golovko, D., Ansari, C., Marina, N. M., Pisani, L., Kurlander, L., Klenk, C., Bhaumik, S., Wendland, M., Daldrup-Link, H. E.  
2015; 10 (11)
  - **ACR Committee on Pediatric Imaging Research.** *Pediatric radiology*  
Daldrup-Link, H. E., Voss, S., Donig, J.  
2014; 44 (9): 1193-1194
  - **Basic science research in pediatric radiology - how to empower the leading edge of our field** *PEDIATRIC RADIOLOGY*  
Daldrup-Link, H. E.  
2014; 44 (8): 935-39
  - **(18)F-FDG PET/CT scans for children and adolescents - authors' reply.** *lancet oncology*  
Daldrup-Link, H., Quon, A., Goske, M.  
2014; 15 (7)

- **Successful Treatment with Temozolomide Combined with Chemoradiotherapy and Surgery of a Metastatic Undifferentiated Soft Tissue Sarcoma with Relapse in the Central Nervous System of a Young Adult** *JOURNAL OF ADOLESCENT AND YOUNG ADULT ONCOLOGY*  
Hsu, C. H., Daldrup-Link, H. E., Yeom, K. W., Donaldson, S. S., Million, L., Hazard, F. K., Rangaswami, A.  
2014; 3 (2): 100-103
- **Development of novel tumor-targeted theranostic nanoparticles activated by membrane-type matrix metalloproteinases for combined cancer magnetic resonance imaging and therapy.** *Small*  
Ansari, C., Tikhomirov, G. A., Hong, S. H., Falconer, R. A., Loadman, P. M., Gill, J. H., Castaneda, R., Hazard, F. K., Tong, L., Lenkov, O. D., Felsher, D. W., Rao, J., Daldrup-Link, et al  
2014; 10 (3): 566-?
- **MR Imaging of Stem Cell Transplants in Arthritic Joints.** *Journal of stem cell research & therapy*  
Daldrup-Link, H. E., Nejadnik, H.  
2014; 4 (2): 165-?
- **Comparison of Latino and Non-Latino Patients With Ewing Sarcoma** *PEDIATRIC BLOOD & CANCER*  
Sharib, J., Horvai, A., Hazard, F. K., Daldrup-Link, H., Goldsby, R., Marina, N., DuBois, S. G.  
2014; 61 (2): 233-237
- **Development of novel tumor-targeted theranostic nanoparticles activated by membrane-type matrix metalloproteinases for combined cancer magnetic resonance imaging and therapy.** *Small*  
Ansari, C., Tikhomirov, G. A., Hong, S. H., Falconer, R. A., Loadman, P. M., Gill, J. H., Castaneda, R., Hazard, F. K., Tong, L., Lenkov, O. D., Felsher, D. W., Rao, J., Daldrup-Link, et al  
2014; 10 (3): 566-575
- **Cancer therapy: development of novel tumor-targeted theranostic nanoparticles activated by membrane-type matrix metalloproteinases for combined cancer magnetic resonance imaging and therapy (small 3/2014).** *Small*  
Ansari, C., Tikhomirov, G. A., Hong, S. H., Falconer, R. A., Loadman, P. M., Gill, J. H., Castaneda, R., Hazard, F. K., Tong, L., Lenkov, O. D., Felsher, D. W., Rao, J., Daldrup-Link, et al  
2014; 10 (3): 417-?
- **Ferumoxylol: a new, clinically applicable label for stem-cell tracking in arthritic joints with MRI.** *Nanomedicine*  
Khurana, A., Nejadnik, H., Chapelin, F., Lenkov, O., Gawande, R., Lee, S., Gupta, S. N., Aflakian, N., Derugin, N., Messing, S., Lin, G., Lue, T. F., Pisani, et al  
2013; 8 (12): 1969-1983
- **Iron Administration before Stem Cell Harvest Enables MR Imaging Tracking after Transplantation.** *Radiology*  
Khurana, A., Chapelin, F., Beck, G., Lenkov, O. D., Donig, J., Nejadnik, H., Messing, S., Derugin, N., Chan, R. C., Gaur, A., Sennino, B., McDonald, D. M., Kempen, et al  
2013; 269 (1): 186-197
- **Enhancing in vivo survival of adipose-derived stromal cells through bcl-2 overexpression using a minicircle vector.** *Stem cells translational medicine*  
Hyun, J., Grova, M., Nejadnik, H., Lo, D., Morrison, S., Montoro, D., Chung, M., Zimmermann, A., Walmsley, G. G., Lee, M., Daldrup-Link, H., Wan, D. C., Longaker, et al  
2013; 2 (9): 690-702
- **Role of diffusion-weighted imaging in differentiating benign and malignant pediatric abdominal tumors.** *Pediatric radiology*  
Gawande, R. S., Gonzalez, G., Messing, S., Khurana, A., Daldrup-Link, H. E.  
2013; 43 (7): 836-845
- **Comparison of the diagnostic value of MR imaging and ophthalmoscopy for the staging of retinoblastoma** *EUROPEAN RADIOLOGY*  
Khurana, A., Eisenhut, C. A., Wan, W., Ebrahimi, K. B., Patel, C., O'Brien, J. M., Yeom, K., Daldrup-Link, H. E.  
2013; 23 (5): 1271-1280
- **Evaluation of the novel USPIO GEH121333 for MR imaging of cancer immune responses.** *Contrast media & molecular imaging*  
Shi, Q., Pisani, L. J., Lee, Y. K., Messing, S., Ansari, C., Bhaumik, S., Lowery, L., Lee, B. D., Meyer, D. E., Daldrup-Link, H. E.  
2013; 8 (3): 281-288
- **Magnetic resonance imaging and tracking of stem cells.** *Methods in molecular biology (Clifton, N.J.)*  
Nejadnik, H., Castillo, R., Daldrup-Link, H. E.  
2013; 1052: 1-10

- **MR Imaging Features of Gadofluorine-Labeled Matrix-Associated Stem Cell Implants in Cartilage Defects** *PLOS ONE*  
Nejadnik, H., Henning, T. D., Thuy Do, T., Sutton, E. J., Baehner, F., Horvai, A., Sennino, B., McDonald, D., Meier, R., Misselwitz, B., Link, T. M., Daldrup-Link, H. E.  
2012; 7 (12)
- **Intravenous Ferumoxytol Allows Noninvasive MR Imaging Monitoring of Macrophage Migration into Stem Cell Transplants** *RADIOLOGY*  
Khurana, A., Nejadnik, H., Gawande, R., Lin, G., Lee, S., Messing, S., Castaneda, R., Derugin, N., Pisani, L., Lue, T. F., Daldrup-Link, H. E.  
2012; 264 (3): 803-811
- **High-Resolution MR Imaging of the Orbit in Patients with Retinoblastoma** *RADIOGRAPHICS*  
Rauschecker, A. M., Patel, C. V., Yeom, K. W., Eisenhut, C. A., Gawande, R. S., O'Brien, J. M., Ebrahimi, K. B., Daldrup-Link, H. E.  
2012; 32 (5): 1307-1326
- **MR imaging of tumor-associated macrophages** *ONCOIMMUNOLOGY*  
Daldrup-Link, H., Coussens, L. M.  
2012; 1 (4)
- **Dose Escalation Study of No-Carrier-Added I-131-Metaiodobenzylguanidine for Relapsed or Refractory Neuroblastoma: New Approaches to Neuroblastoma Therapy Consortium Trial** *JOURNAL OF NUCLEAR MEDICINE*  
Matthay, K. K., Weiss, B., Villablanca, J. G., Maris, J. M., Yanik, G. A., DuBois, S. G., Stubbs, J., Groshen, S., Tsao-Wei, D., Hawkins, R., Jackson, H., Goodarzi, F., Daldrup-Link, et al  
2012; 53 (7): 1155-1163
- **A photonic crystal cavity-optical fiber tip nanoparticle sensor for biomedical applications** *APPLIED PHYSICS LETTERS*  
Shambat, G., Kothapalli, S. R., Khurana, A., Provine, J., Sarmiento, T., Cheng, K., Cheng, Z., Harris, J., Daldrup-Link, H., Gambhir, S. S., Vuckovic, J.  
2012; 100 (21)
- **Magnetic Resonance Imaging of Ferumoxide-Labeled Mesenchymal Stem Cells in Cartilage Defects: In Vitro and In Vivo Investigations** *MOLECULAR IMAGING*  
Henning, T. D., Gawande, R., Khurana, A., Tavri, S., Mandrussow, L., Golovko, D., Horvai, A., Sennino, B., McDonald, D., Meier, R., Wendland, M., Derugin, N., Link, et al  
2012; 11 (3): 197-209
- **Differentiation of Normal Thymus from Anterior Mediastinal Lymphoma and Lymphoma Recurrence at Pediatric PET/CT** *RADIOLOGY*  
Gawande, R. S., Khurana, A., Messing, S., Zhang, D., Castaneda, R. T., Goldsby, R. E., Hawkins, R. A., Daldrup-Link, H. E.  
2012; 262 (2): 613-622
- **Engineering stem cells for treatment of osteochondral defects** *SKELETAL RADIOLOGY*  
Nejadnik, H., Daldrup-Link, H. E.  
2012; 41 (1): 1-4
- **Somatic Differentiation and MR Imaging of Magnetically Labeled Human Embryonic Stem Cells** *CELL TRANSPLANTATION*  
Nejadnik, H., Henning, T. D., Castaneda, R. T., Boddington, S., Taubert, S., Jha, P., Tavri, S., Golovko, D., Ackerman, L., Meier, R., Daldrup-Link, H. E.  
2012; 21 (12): 2555-2567
- **MR imaging features of gadofluorine-labeled matrix-associated stem cell implants in cartilage defects.** *PloS one*  
Nejadnik, H., Henning, T. D., Do, T., Sutton, E. J., Baehner, F., Horvai, A., Sennino, B., McDonald, D., Meier, R., Misselwitz, B., Link, T. M., Daldrup-Link, H. E.  
2012; 7 (12)
- **MR imaging of tumor-associated macrophages.** *Oncoimmunology*  
Daldrup-Link, H. n., Coussens, L. M.  
2012; 1 (4): 507-9
- **Labeling human embryonic stem-cell-derived cardiomyocytes for tracking with MR imaging** *PEDIATRIC RADIOLOGY*  
Castaneda, R. T., Boddington, S., Henning, T. D., Wendland, M., Mandrussow, L., Liu, S., Daldrup-Link, H.  
2011; 41 (11): 1384-1392
- **Labeling Stem Cells with Ferumoxytol, an FDA-Approved Iron Oxide Nanoparticle** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*  
Castaneda, R. T., Khurana, A., Khan, R., Daldrup-Link, H. E.  
2011

- **MRI of Tumor-Associated Macrophages with Clinically Applicable Iron Oxide Nanoparticles** *CLINICAL CANCER RESEARCH*  
Daldrup-Link, H. E., Golovko, D., Ruffell, B., DeNardo, D. G., Castaneda, R., Ansari, C., Rao, J., Tikhomirov, G. A., Wendland, M. F., Corot, C., Coussens, L. M.  
2011; 17 (17): 5695-5704
- **Depicting Adoptive Immunotherapy for Prostate Cancer in an Animal Model with Magnetic Resonance Imaging** *MAGNETIC RESONANCE IN MEDICINE*  
Meier, R., Golovko, D., Tavri, S., Henning, T. D., Knopp, C., Piontek, G., Rudelius, M., Heinrich, P., Wels, W. S., Daldrup-Link, H.  
2011; 65 (3): 756-763
- **Optical imaging of rheumatoid arthritis.** *International journal of clinical rheumatology*  
Golovko, D., Meier, R., Rummeny, E., Daldrup-Link, H.  
2011; 6 (1): 67-75
- **Labeling Human Mesenchymal Stem Cells with Fluorescent Contrast Agents: the Biological Impact** *MOLECULAR IMAGING AND BIOLOGY*  
Boddington, S. E., Sutton, E. J., Henning, T. D., Nedopil, A. J., Sennino, B., Kim, A., Daldrup-Link, H. E.  
2011; 13 (1): 3-9
- **Labeling stem cells with ferumoxytol, an FDA-approved iron oxide nanoparticle.** *Journal of visualized experiments : JoVE*  
Castaneda, R. T., Khurana, A., Khan, R., Daldrup-Link, H. E.  
2011: e3482-?
- **Radiological-pathological correlation of pleomorphic liposarcoma of the anterior mediastinum in a 17-year-old girl.** *Pediatric radiology*  
Saeed, M., Plett, S., Kim, G. E., Daldrup-Link, H., Courtier, J.  
2010; 40: S68-70
- **Radiological-pathological correlation of pleomorphic liposarcoma of the anterior mediastinum in a 17-year-old girl** *PEDIATRIC RADIOLOGY*  
Saeed, M., Plett, S., Kim, G. E., Daldrup-Link, H., Courtier, J.  
2010; 40: 68-70
- **MR Signal Characteristics of Viable and Apoptotic Human Mesenchymal Stem Cells in Matrix-Associated Stem Cell Implants for Treatment of Osteoarthritis** *INVESTIGATIVE RADIOLOGY*  
Nedopil, A., Klenk, C., Kim, C., Liu, S., Wendland, M., Golovko, D., Schuster, T., Sennino, B., McDonald, D. M., Daldrup-Link, H. E.  
2010; 45 (10): 634-640
- **In Vivo Magnetic Resonance Imaging and Optical Imaging Comparison of Viable and Nonviable Mesenchymal Stem Cells with a Bifunctional Label** *MOLECULAR IMAGING*  
Sutton, E. J., Henning, T. D., Boddington, S., Demos, S., Krug, C., Meier, R., Kornak, J., Zhao, S., Baehner, R., Sharifi, S., Daldrup-Link, H.  
2010; 9 (5): 278-290
- **Unusual association of alveolar rhabdomyosarcoma with pancreatic metastasis: emerging role of PET-CT in tumor staging** *PEDIATRIC RADIOLOGY*  
Jha, P., Froelich, A. M., McCarville, B., Navarro, O. M., Babyn, P., Goldsby, R., Daldrup-Link, H.  
2010; 40 (8): 1380-1386
- **Monitoring of Natural Killer Cell Immunotherapy Using Noninvasive Imaging Modalities** *CANCER RESEARCH*  
Jha, P., Golovko, D., Bains, S., Hostetter, D., Meier, R., Wendland, M. F., Daldrup-Link, H. E.  
2010; 70 (15): 6109-6113
- **Indocyanine Green-Enhanced Imaging of Antigen-Induced Arthritis With an Integrated Optical Imaging/Radiography System** *ARTHRITIS AND RHEUMATISM*  
Meier, R., Krug, C., Golovko, D., Boddington, S., Piontek, G., Rudelius, M., Sutton, E. J., Baur-Melnyk, A., Jones, E. F., Daldrup-Link, H. E.  
2010; 62 (8): 2322-2327
- **Breast Cancers: MR Imaging of Folate-Receptor Expression with the Folate-Specific Nanoparticle P1133** *RADIOLOGY*  
Meier, R., Henning, T. D., Boddington, S., Tavri, S., Arora, S., Piontek, G., Rudelius, M., Corot, C., Daldrup-Link, H. E.  
2010; 255 (2): 527-535
- **Accelerated stem cell labeling with ferucarbotran and protamine** *EUROPEAN RADIOLOGY*  
Golovko, D. M., Henning, T., Bauer, J. S., Settles, M., Frenzel, T., Mayerhofer, A., Rummeny, E. J., Daldrup-Link, H. E.  
2010; 20 (3): 640-648
- **Ectopic ureter associated with uterine didelphys and obstructed hemivagina: preoperative diagnosis by MRI** *PEDIATRIC RADIOLOGY*

- Wang, Z. J., Daldrup-Link, H., Coakley, F. V., Yeh, B. M.  
2010; 40 (3): 358-360
- **Implantation of ferumoxides labeled human mesenchymal stem cells in cartilage defects.** *Journal of visualized experiments : JoVE*  
Nedopil, A. J., Mandrussow, L. G., Daldrup-Link, H. E.  
2010
  - **Labeling Human Embryonic Stem Cell-Derived Cardiomyocytes With Indocyanine Green for Noninvasive Tracking With Optical Imaging: An FDA-Compatible Alternative to Firefly Luciferase** *CELL TRANSPLANTATION*  
Boddington, S. E., Henning, T. D., Jha, P., Schlieve, C. R., Mandrussow, L., DeNardo, D., Bernstein, H. S., Ritner, C., Golovko, D., Lu, Y., Zhao, S., Daldrup-Link, H. E.  
2010; 19 (1): 55-65
  - **An optical imaging method to monitor stem cell migration in a model of immune-mediated arthritis** *OPTICS EXPRESS*  
Sutton, E. J., Boddington, S. E., Nedopil, A. J., Henning, T. D., Demos, S. G., Baehner, R., Sennino, B., Lu, Y., Daldrup-Link, H. E.  
2009; 17 (26): 24403-24413
  - **Optical imaging of the peri-tumoral inflammatory response in breast cancer** *JOURNAL OF TRANSLATIONAL MEDICINE*  
Sista, A. K., Knebel, R. J., Tavri, S., Johansson, M., DeNardo, D. G., Boddington, S. E., Kishore, S. A., Ansari, C., Reinhart, V., Coakley, F. V., Coussens, L. M., Daldrup-Link, H. E.  
2009; 7
  - **Decreased aortic growth and middle aortic syndrome in patients with neuroblastoma after radiation therapy** *PEDIATRIC RADIOLOGY*  
Sutton, E. J., Tong, R. T., Gillis, A. M., Henning, T. D., Weinberg, V. A., Boddington, S., Haas-Kogan, D. A., Matthay, K., Sha, V., Gooding, C., Coakley, F. V., Daldrup-Link, H.  
2009; 39 (11): 1194-1202
  - **MR Imaging of Pediatric Arthritis** *RADIOLOGIC CLINICS OF NORTH AMERICA*  
Daldrup-Link, H. E., Steinbach, L.  
2009; 47 (6): 939-?
  - **MR Imaging of Pediatric Arthritis** *MAGNETIC RESONANCE IMAGING CLINICS OF NORTH AMERICA*  
Daldrup-Link, H. E., Steinbach, L.  
2009; 17 (3): 451-?
  - **Relaxation Effects of Ferucarbotran-Labeled Mesenchymal Stem Cells at 1.5T and 3T: Discrimination of Viable from Lysed Cells** *MAGNETIC RESONANCE IN MEDICINE*  
Henning, T. D., Wendland, M. F., Golovko, D., Sutton, E. J., Sennino, B., Malek, F., Bauer, J. S., McDonald, D. M., Daldrup-Link, H.  
2009; 62 (2): 325-332
  - **The influence of ferucarbotran on the chondrogenesis of human mesenchymal stem cells** *CONTRAST MEDIA & MOLECULAR IMAGING*  
Henning, T. D., Sutton, E. J., Kim, A., Golovko, D., Horvai, A., Ackerman, L., Sennino, B., McDonald, D., Lotz, J., Daldrup-Link, H. E.  
2009; 4 (4): 165-173
  - **New Perspectives on Bone Marrow Contrast Agents and Molecular Imaging** *SEMINARS IN MUSCULOSKELETAL RADIOLOGY*  
Daldrup-Link, H. E., Mohanty, A., Cuenod, C., Pichler, B., Link, T.  
2009; 13 (2): 145-156
  - **Phase I Trial of Oral Irinotecan and Temozolomide for Children With Relapsed High-Risk Neuroblastoma: A New Approach to Neuroblastoma Therapy Consortium Study** *43rd Annual Meeting of the American-Society-of-Clinical-Oncology (ASCO)*  
Wagner, L. M., Villablanca, J. G., Stewart, C. F., Crews, K. R., Groshen, S., Reynolds, C. P., Park, J. R., Maris, J. M., Hawkins, R. A., Daldrup-Link, H. E., Jackson, H. A., Matthay, K. K.  
AMER SOC CLINICAL ONCOLOGY.2009: 1290-96
  - **Optical Imaging of Cellular Immunotherapy against Prostate Cancer** *MOLECULAR IMAGING*  
Tavri, S., Jha, P., Meier, R., Henning, T. D., Mueller, T., Hostetter, D., Knopp, C., Johansson, M., Reinhart, V., Boddington, S., Sista, A., Wels, W. S., Daldrup-Link, et al  
2009; 8 (1): 15-26
  - **Multiple Scalp Lesions in a Patient with Keratitis, Ichthyosis and Deafness Syndrome Mimicking Metastatic Squamous Cell Carcinoma on 18F-FDG PET/CT.** *Radiology case reports*

- Kleis, M. A., Daldrup-Link, H., Goldsby, R., Hawkins, R. A., Franc, B. L.  
2009; 4 (2): 218-?
- **Diagnostic value of PET/CT for the staging and restaging of pediatric tumors** *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING*  
Kleis, M., Daldrup-Link, H., Matthay, K., Goldsby, R., Lu, Y., Schuster, T., Schreck, C., Chu, P. W., Hawkins, R. A., Franc, B. L.  
2009; 36 (1): 23-36
  - **Pediatric liver tumors - a pictorial review** *EUROPEAN RADIOLOGY*  
Jha, P., Chawla, S. C., Tavri, S., Patel, C., Gooding, C., Daldrup-Link, H.  
2009; 19 (1): 209-219
  - **Detection of postoperative granulation tissue with an ICG-enhanced integrated OI-/X-ray System** *JOURNAL OF TRANSLATIONAL MEDICINE*  
Meier, R., Boddington, S., Krug, C., Acosta, F. L., Thullier, D., Henning, T. D., Sutton, E. J., Tavri, S., Lotz, J. C., Daldrup-Link, H. E.  
2008; 6
  - **Receptor imaging of pediatric tumors: clinical practice and new developments** *PEDIATRIC RADIOLOGY*  
Daldrup-Link, H. E., Hawkins, R. A., Meier, R., Goldsby, R. E., Artemov, D.  
2008; 38 (11): 1154-1161
  - **Cell tracking with optical imaging** *EUROPEAN RADIOLOGY*  
Sutton, E. J., Henning, T. D., Pichler, B. J., Bremer, C., Daldrup-Link, H. E.  
2008; 18 (10): 2021-2032
  - **Improved fluorescence of indocyanine green in vitro and in vivo after simple cooling procedures** *CONTRAST MEDIA & MOLECULAR IMAGING*  
Boddington, S., Sutton, E. J., Jones, E., Purcell, D. D., Henning, T. D., Tavri, S., Meier, R., Sista, A., Fu, Y., Daldrup-Link, H.  
2008; 3 (5): 191-197
  - **Tracking of [F-18]FDG-labeled natural killer cells to HER2/neu-positive tumors** *NUCLEAR MEDICINE AND BIOLOGY*  
Meier, R., Piert, M., Piontek, G., Rudelius, M., Oostendorp, R. A., Senekowitsch-Schmidtke, R., Henning, T. D., Wels, W. S., Uherek, C., Rummeny, E. J., Daldrup-Link, H. E.  
2008; 35 (5): 579-588
  - **MR imaging of ovarian tumors using folate-receptor-targeted contrast agents** *PEDIATRIC RADIOLOGY*  
Wang, Z. J., Boddington, S., Wendland, M., Meier, R., Corot, C., Daldrup-Link, H.  
2008; 38 (5): 529-537
  - **Imaging characteristics of DHOG, a hepatobiliary contrast agent for preclinical MicroCT in mice** *ACADEMIC RADIOLOGY*  
Henning, T., Weber, A. W., Bauer, J. S., Meier, R., Carlsen, J. M., Sutton, E. J., Prevrhal, S., Ziegler, S. I., Feussner, H., Daldrup-Link, H. E., Rummeny, E. J.  
2008; 15 (3): 342-349
  - **Labeling stem cells with fluorescent dyes for non-invasive detection with optical imaging.** *Journal of visualized experiments : JoVE*  
Boddington, S., Henning, T. D., Sutton, E. J., Daldrup-Link, H. E.  
2008
  - **Labeling hESCs and hMSCs with iron oxide nanoparticles for non-invasive in vivo tracking with MR imaging.** *Journal of visualized experiments : JoVE*  
Henning, T. D., Boddington, S., Daldrup-Link, H. E.  
2008
  - **Long-term outcome and toxicities of intraoperative radiotherapy for high-risk neuroblastoma** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*  
Gillis, A. M., Sutton, E., DeWitt, K. D., Matthay, K. K., Weinberg, V., Fisch, B. M., Chan, A., Gooding, C., Daldrup-Link, H., Wara, W. M., Farmer, D. L., Harrison, M. R., Haas-Kogan, et al  
2007; 69 (3): 858-864
  - **Cell labeling with the positive MR contrast agent Gadofluorine M** *EUROPEAN RADIOLOGY*  
Henning, T. D., Saborowski, O., Golovko, D., Boddington, S., Bauer, J. S., Fu, Y., Meier, R., Pietsch, H., Sennino, B., McDonald, D. M., Daldrup-Link, H. E.  
2007; 17 (5): 1226-1234
  - **MR imaging of antigen-induced arthritis with a new, folate receptor-targeted contrast agent** *CONTRAST MEDIA & MOLECULAR IMAGING*  
Saborowski, O., Simon, G. H., Raatschen, H., Wendland, M. F., Fu, Y., Henning, T., Baehner, R., Corot, C., Chen, M., Daldrup-Link, H. E.

2007; 2 (2): 72-81

- **MR imaging of therapy-induced changes of bone marrow** *EUROPEAN RADIOLOGY*  
Daldrup-Link, H. E., Henning, T., Link, T. M.  
2007; 17 (3): 743-761
- **Macrophage specific MRI imaging for antigen induced arthritides. A potential new strategy for the diagnosis of rheumatoid arthritis** *RADIOLOGE*  
Simon, G. H., Daldrup-Link, H. E., Rummeny, E. J.  
2007; 47 (1): 43-?
- **Optical imaging of experimental arthritis using allogeneic leukocytes labeled with a near-infrared fluorescent probe** *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING*  
Simon, G. H., Daldrup-Link, H. E., Kau, J., Metz, S., Schlegel, J., Piontek, G., Saborowski, O., Demos, S., Duyster, J., Pichler, B. J.  
2006; 33 (9): 998-1006
- **MRI of arthritis: Comparison of ultrasmall superparamagnetic iron oxide vs. Gd-DTPA** *JOURNAL OF MAGNETIC RESONANCE IMAGING*  
Simon, G. H., von Vopelius-Feldt, J., Wendland, M. F., Fu, Y. J., Piontek, G., Schlegel, J., Chen, M. H., Daldrup-Link, H. E.  
2006; 23 (5): 720-727
- **T1 and T2 relaxivity of intracellular and extracellular USPIO at 1.5T and 3T clinical MR scanning** *EUROPEAN RADIOLOGY*  
Simon, G. H., Bauer, J., Saborowski, O., Fu, Y. J., Corot, C., Wendland, M. F., Daldrup-Link, H. E.  
2006; 16 (3): 738-745
- **Ferumoxtran-10-enhanced MR imaging of the bone marrow before and after conditioning therapy in patients with non-Hodgkin lymphomas** *EUROPEAN RADIOLOGY*  
Metz, S., Lohr, S., Settles, M., Beer, A., Woertler, K., Rummeny, E., Daldrup-Link, H. E.  
2006; 16 (3): 598-607
- **MRI of arthritis with the USPIO SHU555C: Optimization of T1 enhancement** *ROFO-FORTSCHRITTE AUF DEM GEBIET DER RONTGENSTRAHLEN UND DER BILDGEBENDEN VERFAHREN*  
Simon, G., Daldrup-Link, H., von Vopelius-Feldt, J., Wendland, M., Fu, Y., Schlegel, J., Rummeny, E.  
2006; 178 (2): 200-206
- **Ultrasmall supraparamagnetic iron oxide-enhanced magnetic resonance imaging of antigen-induced arthritis - A comparative study between SHUSSC, ferumoxtran-10, and ferumoxytol** *INVESTIGATIVE RADIOLOGY*  
Simon, G. H., von Vopelius-Feldt, J., Fu, Y. J., Schlegel, J., Piontek, G., Wendland, M. F., Chen, M. H., Daldrup-Link, H. E.  
2006; 41 (1): 45-51
- **Imaging of tumor angiogenesis: Current approaches and future prospects** *CURRENT PHARMACEUTICAL DESIGN*  
Daldrup-Link, H. E., Simon, G. H., Brasch, R. C.  
2006; 12 (21): 2661-2672
- **Mixture model approach to tumor classification based on pharmacokinetic measures of tumor permeability** *JOURNAL OF MAGNETIC RESONANCE IMAGING*  
Spilker, M. E., Seng, K. Y., Yao, A. A., Daldrup-Link, H. E., Shames, D. M., Brasch, R. C., Vicini, P.  
2005; 22 (4): 549-558
- **Ultrasmall superparamagnetic iron-oxide-enhanced MR imaging of normal bone marrow in rodents: original research original research.** *Academic radiology*  
Simon, G. H., Raatschen, H., Wendland, M. F., von Vopelius-Feldt, J., Fu, Y., Chen, M., Daldrup-Link, H. E.  
2005; 12 (9): 1190-1197
- **Ultrasmall superparamagnetic iron-oxide-enhanced MR imaging of normal bone marrow in rodents: Original research** *ACADEMIC RADIOLOGY*  
Simon, G. H., Raatschen, H. J., Wendland, M. F., von Vopelius-Feldt, J., Fu, Y. J., Chen, M. H., Daldrup-Link, H. E.  
2005; 12 (9): 1190-1197
- **Optimization of gadodiamide concentration for MR arthrography at 3 T** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Masi, J. N., Newitt, D., Sell, C. A., Daldrup-Link, H., Steinbach, L., Majumdar, S., Link, T. M.  
2005; 184 (6): 1754-1761
- **The choice of region of interest measures in contrast-enhanced magnetic resonance image characterization of experimental breast tumors** *INVESTIGATIVE RADIOLOGY*



- Preda, A., Turetschek, K., Daldrup, H., FLOYD, E., Novikov, V., Shames, D. M., Roberts, T. P., Carter, W. O., Brasch, R. C.  
2005; 40 (6): 349-354
- **Detection of hepatocellular carcinoma: comparison of Gd-DTPA- and ferumoxides-enhanced MR imaging** *EUROPEAN RADIOLOGY*  
Simon, G., Link, T. M., Wortler, K., Doebereiner, F., Schulte-Frohlinde, E., Daldrup-Link, H., Settles, M., Rummeny, E. J.  
2005; 15 (5): 895-903
  - **Comparison of iron oxide labeling properties of hematopoietic progenitor cells from umbilical cord blood and from peripheral blood for subsequent in vivo tracking in a xenotransplant mouse model XXX.** *Academic radiology*  
Daldrup-Link, H. E., Rudelius, M., Oostendorp, R. A., Jacobs, V. R., Simon, G. H., Gooding, C., Rummeny, E. J.  
2005; 12 (4): 502-510
  - **Hematopoietic progenitor cells from umbilical cord blood and from peripheral blood for subsequent in vivo tracking in a xenotransplant mouse model XXX** *ACADEMIC RADIOLOGY*  
Daldrup-Link, H. E., Rudelius, M., Oostendorp, R. A., Jacobs, V. R., Simon, G. H., Gooding, C., Rummeny, E. J.  
2005; 12 (4): 502-510
  - **Migration of iron oxide-labeled human hematopoietic progenitor cells in a mouse model: In vivo monitoring with 1.5-T MR imaging equipment** *89th Scientific Assembly and Annual Meeting of the Radiological-Society-of-North-America (RSNA)*  
Daldrup-Link, H. E., Rudelius, M., Piontek, G., Metz, S., Brauer, R., Debus, G., Corot, C., Schlegel, J., Link, T. M., Peschel, C., Rummeny, E. J., Oostendorp, R. A.  
RADIOLOGICAL SOC NORTH AMERICA.2005: 197-205
  - **In vivo tracking of genetically engineered, anti-HER2/neu directed natural killer cells to HER2/neu positive mammary tumors with magnetic resonance imaging** *EUROPEAN RADIOLOGY*  
Daldrup-Link, H. E., Meier, R., Rudelius, M., Piontek, G., Piert, M., Metz, S., Settles, M., Uherek, C., Wels, W., Schlegel, J., Rummeny, E. J.  
2005; 15 (1): 4-13
  - **Capacity of human monocytes to phagocytose approved iron oxide MR contrast agents in vitro** *EUROPEAN RADIOLOGY*  
Metz, S., Bonaterra, G., Rudelius, M., Settles, M., Rummeny, E. J., Daldrup-Link, H. E.  
2004; 14 (10): 1851-1858
  - **Cell tracking with gadophrin-2: a bifunctional contrast agent for MR imaging, optical imaging, and fluorescence microscopy** *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING*  
Daldrup-Link, H. E., Rudelius, M., Metz, S., Piontek, G., Pichler, B., Settles, M., Heinzmann, U., Schlegel, J., Oostendorp, R. A., Rummeny, E. J.  
2004; 31 (9): 1312-1321
  - **Decrease in tumor apparent permeability-surface area product to a MRI macromolecular contrast medium following angiogenesis inhibition with correlations to cytotoxic drug accumulation** *MICROCIRCULATION*  
Daldrup-Link, H. E., Okuhata, Y., Wolfe, A., Srivastav, S., Oie, S., FERRARA, N., Cohen, R. L., Shames, D. M., Brasch, R. C.  
2004; 11 (5): 387-396
  - **Quantification of breast tumor microvascular permeability with feruglose-enhanced MR imaging: Initial phase II multicenter trial** *RADIOLOGY*  
Daldrup-Link, H. E., Rydland, J., Helbich, T. H., Bjornerud, A., Turetschek, K., Kvistad, K. A., Kaindl, E., Link, T. M., Staudacher, K., Shames, D., Brasch, R. C., Haraldseth, O., Rummeny, et al  
2003; 229 (3): 885-892
  - **Macromolecular contrast medium (feruglose) versus small molecular contrast medium (gadopentetate) enhanced magnetic resonance imaging: Differentiation of benign and malignant breast lesions** *ACADEMIC RADIOLOGY*  
Daldrup-Link, H. E., Kaiser, A., Helbich, T., Werner, M., Bjornerud, A., Link, T. M., Rummeny, E. J.  
2003; 10 (11): 1237-1246
  - **Targeting of hematopoietic progenitor cells with MR contrast agents** *RADIOLOGY*  
Daldrup-Link, H. E., Rudelius, M., Oostendorp, R. A., Settles, M., Piontek, G., Metz, S., Rosenbrock, H., Keller, U., Heinzmann, U., Rummeny, E. J., Schlegel, J., Link, T. M.  
2003; 228 (3): 760-767
  - **Highly efficient paramagnetic labelling of embryonic and neuronal stem cells** *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING*  
Rudelius, M., Daldrup-Link, H. E., Heinzmann, U., Piontek, G., Settles, M., Link, T. M., Schlegel, J.  
2003; 30 (7): 1038-1044

- **Detection and quantification of breast tumor necrosis with MR imaging: Value of the necrosis-avid contrast agent Gadophrin-3** *ACADEMIC RADIOLOGY*  
Metz, S., Daldrup-Link, H. E., Richter, T., Rath, C., Ebert, W., Settles, M., Rummeny, E. J., Link, T. M., Piert, M.  
2003; 10 (5): 484-490
- **Macromolecular contrast agents for MR mammography: current status** *EUROPEAN RADIOLOGY*  
Daldrup-Link, H. E., Brasch, R. C.  
2003; 13 (2): 354-365
- **Comparison between gadopentetate and feruglose (Clariscan (TM))-enhanced MR-mammography: Preliminary clinical experience** *Contrast Media Research Conference*  
Daldrup-Link, H. E., Kaiser, A., Link, T. M., Settles, M., Helbich, T., Werner, M., Roberts, T. P., Rummeny, E. J.  
ELSEVIER SCIENCE INC.2002: S343-S347
- **Iron-oxide-enhanced MR imaging of bone marrow in patients with non-Hodgkin's lymphoma: differentiation between tumor infiltration and hypercellular bone marrow** *EUROPEAN RADIOLOGY*  
Daldrup-Link, H. E., Rummeny, E. J., Ihssen, B., Kienast, J., Link, T. M.  
2002; 12 (6): 1557-1566
- **Atypical mycobacteriosis of the breast: MR imaging** *ROFO-FORTSCHRITTE AUF DEM GEBIET DER RONTGENSTRAHLEN UND DER BILDGEBENDEN VERFAHREN*  
Kaiser, A., Werner, M., Daldrup-Link, H. E.  
2002; 174 (2): 236-237
- **FDG-PET for detection of recurrences from malignant primary bone tumors: comparison with conventional imaging** *ANNALS OF ONCOLOGY*  
Franzius, C., Daldrup-Link, H. E., Wagner-Bohn, A., Sciuk, J., Heindel, W. L., Jurgens, H., Schober, O.  
2002; 13 (1): 157-160
- **Whole-body MR imaging for detection of bone metastases in children and young adults: Comparison with skeletal scintigraphy and FDG PET** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Daldrup-Link, H. E., Franzius, C., Link, T. M., Laukamp, D., Sciuk, J., Jurgens, H., Schober, O., Rummeny, E. J.  
2001; 177 (1): 229-236
- **[Experimental studies of the value of SPIO for MRI of bone marrow before and after whole body irradiation].** *RoFo : Fortschritte auf dem Gebiete der Rontgenstrahlen und der Nuklearmedizin*  
Daldrup-Link, H. E., Reinländer, C., Link, T. M., Richter, K. J., Könemann, S., Rummeny, E. J.  
2001; 173 (6): 547-553
- **Value of SPIO for MRI of the bone marrow before and after Total Body Irradiation (TBI) - Initial investigations in an animal model.** *ROFO-FORTSCHRITTE AUF DEM GEBIET DER RONTGENSTRAHLEN UND DER BILDGEBENDEN VERFAHREN*  
Daldrup-Link, H. E., Reinlander, C., Link, T. M., Richter, K. J., Konemann, S., Rummeny, E. J.  
2001; 173 (6): 547-553
- **FDG-PET for detection of pulmonary metastases from malignant primary bone tumors: Comparison with spiral CT** *ANNALS OF ONCOLOGY*  
Franzius, C., Daldrup-Link, H. E., Sciuk, J., Rummeny, E. J., Bielack, S., Jurgens, H., Schober, O.  
2001; 12 (4): 479-486
- **Carboxymethyl-dextran-A2-Gd-DOTA enhancement patterns in the abdomen and pelvis in an animal model** *EUROPEAN RADIOLOGY*  
Daldrup-Link, H. E., Link, H. M., Moller, H. E., Wiedermann, D., Bonnemain, B., Corot, C., Rummeny, E. J.  
2001; 11 (7): 1276-1284
- **Quantitative gadopentetate-enhanced MRI of breast tumors: Testing of different analytic methods** *6th ISMRM Scientific Meeting*  
Helbich, T. H., Roberts, T. P., Gossman, A., Wendland, M. F., Shames, D. M., Adachi, M., Yang, S., Huber, S., Daldrup, H., Brasch, R. C.  
JOHN WILEY & SONS INC.2000: 915-24
- **Comparison of Gadomer-17 and gadopentetate dimeglumine for differentiation of benign from malignant breast tumors with MR imaging** *ACADEMIC RADIOLOGY*  
Daldrup-Link, H. E., Shames, D. M., Wendland, M., Muhler, A., Gossman, A., Rosenau, W., Brasch, R. C.  
2000; 7 (11): 934-944
- **Evaluation of the accuracy of gadobenate dimeglumine-enhanced MR imaging in the detection and characterization of focal liver lesions** *AMERICAN JOURNAL OF ROENTGENOLOGY*

- Pirovano, G., Vanzulli, A., Marti-Bonmati, L., Grazioli, L., Manfredi, R., Greco, A., Holzknicht, N., Daldrup-Link, H. E., Rummeny, E., Hamm, B., Arneson, V., Imperatori, L., Kirchin, et al  
2000; 175 (4): 1111-1120
- **FDG-PET for detection of osseous metastases from malignant primary bone tumours: comparison with bone scintigraphy** *EUROPEAN JOURNAL OF NUCLEAR MEDICINE*  
Franzius, C., Sciuk, J., Daldrup-Link, H. E., Jurgens, H., Schober, O.  
2000; 27 (9): 1305-1311
  - **Focal liver lesions: Evaluation of the efficacy of gadobenate dimeglumine in MR imaging - A multicenter phase III clinical study** *RADIOLOGY*  
Petersein, J., Spinazzi, A., Giovagnoni, A., Soyer, P., Terrier, F., Lencioni, R., Bartolozzi, C., Grazioli, L., Chiesa, A., Manfredi, R., Marano, P., van Meerten, E. L., Bloem, et al  
2000; 215 (3): 727-736
  - **CT of metal implants: Reduction of artifacts using an extended CT scale technique** *JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY*  
Link, T. M., Berning, W., Scherf, S., Joosten, U., Joist, A., Engelke, K., Daldrup-Link, H. E.  
2000; 24 (1): 165-172
  - **Assessing permeability alterations of the blood-bone marrow barrier due to total body irradiation: in vivo quantification with contrast enhanced magnetic resonance imaging** *BONE MARROW TRANSPLANTATION*  
Daldrup-Link, H. E., Link, T. M., Rummeny, E. J., August, C., Konemann, S., Jurgens, H., Heindel, W.  
2000; 25 (1): 71-78
  - **Monitoring radiation-induced changes in bone marrow histopathology with ultra-small superparamagnetic iron oxide (USPIO)-enhanced MRI** *JOURNAL OF MAGNETIC RESONANCE IMAGING*  
Daldrup, H. E., Link, T. M., Blasius, S., Strozyk, A., Konemann, S., Jurgens, H., Rummeny, E. J.  
1999; 9 (5): 643-652
  - **Tumor flood volume assays using contrast-enhanced magnetic resonance imaging: Regional heterogeneity and postmortem artifacts** *JOURNAL OF MAGNETIC RESONANCE IMAGING*  
Okuhata, Y., Brasch, R. C., Pham, C. D., Daldrup, H., Wendland, M. F., Shames, D. M., Roberts, T. P.  
1999; 9 (5): 685-690
  - **Correlation of dynamic contrast-enhanced MR imaging with histologic tumor grade: Comparison of macromolecular and small-molecular contrast media** *40th Annual Meeting of the Society-for-Pediatric-Radiology*  
Daldrup, H., Shames, D. M., Wendland, M., Okuhata, Y., Link, T. M., Rosenau, W., Lu, Y., Brasch, R. C.  
AMER ROENTGEN RAY SOC.1998: 941-49
  - **Quantification of the extraction fraction for gadopentetate across breast cancer capillaries** *MAGNETIC RESONANCE IN MEDICINE*  
Daldrup, H. E., Shames, D. M., Hussein, W., Wendland, M. F., Okuhata, Y., Brasch, R. C.  
1998; 40 (4): 537-543
  - **MR imaging of thoracic tumors in pediatric patients** *AMERICAN JOURNAL OF ROENTGENOLOGY*  
Daldrup, H. E., Link, T. M., Wortler, K., Reimer, P., Rummeny, E. J.  
1998; 170 (6): 1639-1644
  - **Macromolecular contrast media-enhanced MRI estimates of microvascular permeability correlate with histopathologic tumor grade** *Symposium on Contrast Media Research*  
Brasch, R. C., Daldrup, H., Shames, D., Wendland, M., Okuhata, Y., Rosenau, W.  
ELSEVIER SCIENCE INC.1998: S2-S5
  - **High resolution MRI of small joints: Impact of spatial resolution on diagnostic performance and SNR** *MAGNETIC RESONANCE IMAGING*  
Link, T. M., Majumdar, S., Peterfy, C., Daldrup, H. E., Uffmann, M., Dowling, C., Steinbach, L., Genant, H. K.  
1998; 16 (2): 147-155
  - **Correlation of dynamic contrast-enhanced magnetic resonance imaging with histologic tumor grade: comparison of macromolecular and small-molecular contrast media** *PEDIATRIC RADIOLOGY*  
Daldrup, H., Shames, D. M., Wendland, M., Okuhata, Y., Link, T. M., Rosenau, W., Lu, Y., Brasch, R. C.  
1998; 28 (2): 67-78
  - **[Macromolecular contrast media for MR mammography. A new approach to characterizing breast tumors].** *Der Radiologe*

- Daldrup, H. E., Roberts, T. P., Mühler, A., Gossmann, A., Roberts, H. C., Wendland, M., Rosenau, W., Brasch, R. C.  
1997; 37 (9): 733-740
- **Enhancement characteristics of liver metastases, hepatocellular carcinomas, and hemangiomas with Gd-EOB-DTPA: Preliminary results with dynamic MR imaging** *EUROPEAN RADIOLOGY*  
Reimer, P., Rummeny, E. J., Daldrup, H. E., Hesse, T., Balzer, T., Tombach, B., Peters, P. E.  
1997; 7 (2): 275-280
  - **Evaluation of myelination and myelination disorders with turbo inversion recovery magnetic resonance imaging** *EUROPEAN RADIOLOGY*  
Daldrup, H. E., Schuierer, G., Link, T. M., Moeller, H., Bick, U., Kurlemann, G., Peters, P. E.  
1997; 7 (9): 1478-1484
  - **[The value of 3-phase spiral CT and magnetic resonance tomography in preoperative diagnosis of pancreatic carcinoma].** *Der Radiologe*  
Lentschig, M. G., Reimer, P., Rummeny, E., Grenzheuser, C., Daldrup, H. E., Berns, T., Dinse, P., Sulkowski, U., Peters, P. E.  
1996; 36 (5): 406-412
  - **Phase II clinical evaluation of Gd-EOB-DTPA: Dose, safety aspects, and pulse sequence** *RADIOLOGY*  
Reimer, P., Rummeny, E. J., Shamsi, K., Balzer, T., Daldrup, H. E., Tombach, B., Hesse, T., Berns, T., Peters, P. E.  
1996; 199 (1): 177-183
  - **[Primary non-Hodgkin's lymphoma of the skull in an 11-year-old girl. Follow-up and review of the literature].** *Der Radiologe*  
Daldrup, H. E., Reimer, P., Wolf, K. J., Peters, P. E.  
1996; 36 (4): 354-359
  - **[Use of gadoteridol in MR diagnosis of rheumatoid changes in the joints].** *Der Radiologe*  
Link, T. M., Bongartz, G. M., Böger, K., Daldrup, H., Schmitz-Linneweber, B., Peters, P. E.  
1996; 36 (2): 141-147
  - **[New MR contrast media in liver diagnosis. Initial clinical results with hepatobiliary Eovist (gadolinium-EOB-DTPA) and RES-specific Resovist (SH U 555 A)].** *Der Radiologe*  
Reimer, P., Tombach, B., Daldrup, H., Hesse, T., Sander, G., Balzer, T., Shamsi, K., Berns, T., Rummeny, E. J., Peters, P. E.  
1996; 36 (2): 124-133
  - **[High dosage Gd-DPTA-BMA (Gadodiamid) administration in diagnosis and therapeutic monitoring of malignant bone tumors].** *Der Radiologe*  
Häussler, M. D., Rummeny, E. J., Raufhake, C., Blasius, S., Lindner, N., Daldrup, H. E., Reimer, P., Peters, P. E.  
1996; 36 (2): 148-152
  - **DETECTION OF LIVER-TUMORS** *RADIOLOGE*  
Rummeny, E. J., Reimer, P., Daldrup, H., Peters, P. E.  
1995; 35 (11): S252-S258
  - **[The regression of a hepatocellular adenoma after the withdrawal of hormonal contraception].** *RöFo : Fortschritte auf dem Gebiete der Röntgenstrahlen und der Nuklearmedizin*  
Daldrup, H. E., Reimer, P., Rummeny, E. J., Fischer, H., Böcker, W., Peters, P. E.  
1995; 163 (5): 449-451
  - **[New super-paramagnetic iron particles for MRI. Phase II study of malignant liver tumors].** *Der Radiologe*  
Daldrup, H. E., Reimer, P., Rummeny, E. J., Tombach, B., Berns, T., Balzer, T., SCHIMPFKY, C., Peters, P. E.  
1995; 35 (8): 486-493
  - **CLINICAL-RESULTS WITH RESOVIST - A PHASE-2 CLINICAL-TRIAL** *RADIOLOGY*  
Reimer, P., Rummeny, E. J., Daldrup, H. E., Balzer, T., Tombach, B., Berns, T., Peters, P. E.  
1995; 195 (2): 489-496