Stanford



Amelie Lutz

Adjunct Clinical Professor, Radiology

CLINICAL OFFICE (PRIMARY)

- **Radiology Department**

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Bio

CLINICAL FOCUS

- Diagnostic Radiology
- Musculoskeletal Radiology
- Body Imaging

ACADEMIC APPOINTMENTS

- Member, Bio-X

ADMINISTRATIVE APPOINTMENTS

- Co-chief, Division of Musculoskeletal Radiology, Department of Radiology, Stanford School of Medicine, (2018-2022)

HONORS AND AWARDS

- Poster Award “summa cum laude” (co-author), Swiss Society of Radiology (2003)
- Poster Award (co-author), Swiss Society of Radiology (2025)
- Top 50 papers, • European Society of Gastrointestinal Radiology (2004)
- “Jubiläumspreis” (award for the young researcher of the year), • 91. General Assembly of the Swiss Society of Radiology (2004)
- Postdoctoral Research Fellowship, Swiss National Science Foundation (2006)
- Research Scholarship, Holcim Foundation, Switzerland (2006)
- New Horizons Keynote Lecture “Cellular Imaging in Rheumatoid Arthritis”, ECR (2006)
- Postdoctoral Research Fellowship, Swiss National Science Foundation (2007)
- Bronze Award (co-author), European Society of Gastrointestinal Radiology (2008)
- Scholar Award, Marsha Rivkin Center for Ovarian Cancer Research (2009)
- GU Paper Presenter Award, Society of Abdominal Radiology (2013)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Radiology Fellowships (2009) CA
- Board Certification: Diagnostic Radiology, FMH Swiss Medical Association (2006)
- Medical Education: Albert Ludwigs Universitaet Freiburg (1998) Germany
- Fellowship: Kantonal Hospital Frauenfeld (2006) Switzerland
- Residency: University Hospital of Zurich (2005) Switzerland
- Internship: University Hospital Freiburg (2000) Germany

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Molecular imaging in oncology

Peripheral Nerve Imaging

Cellular imaging of musculoskeletal inflammatory diseases

Kinematic musculoskeletal imaging

Magnetic resonance imaging of hepatic disorders

Publications

PUBLICATIONS

- **Daily Step Count 2 Years After Anterior Cruciate Ligament Reconstruction and Associations With Cartilage Health and Knee Symptoms and Function.** *Sports health*
  Øiestad, B. E., Williams, A. A., Titchenal, M. R., Lutz, A. M., Chu, C. R.
  2025: 19417381251384327
- **Molecular Ultrasound Imaging of PD-L1 Expression on Cancer Endothelial Cells.** *Ultrasound in medicine & biology*
  Sadeghipour, N., Tabesh, F., Natarajan, A., Lutz, A., Paulmurugan, R., Kaffas, A. E.
  2025
- **Imaging of Peripheral Nerves:AJRExpert Panel Narrative Review.** *AJR. American journal of roentgenology*
  Nwawka, O. K., Adriaensen, M., Andreisek, G., Drakonaki, E. E., Lee, K. S., Lutz, A. M., Martinoli, C., Nacey, N., Symanski, J. S.
  2024
- **MRI-based Neuropathy Score Reporting And Data System (NS-RADS): multi-institutional wider-experience usability study of peripheral neuropathy conditions among 32 radiology readers.** *European radiology*
  Chhabra, A., Duarte Silva, F., Mogharrabi, B., Guirguis, M., Ashikyan, O., Rasper, M., Park, E., Walter, S. S., Umpierrez, M., Pezeshk, P., Thurlow, P. C., Jagadale, A., Bajaj, et al
  2024
- **In Vivo Ultrasound Molecular Imaging in the Evaluation of Complex Ovarian Masses: A Practical Guide to Correlation with Ex Vivo Immunohistochemistry.** *Advanced biology*
  Antil, N., Wang, H., Kaffas, A. E., Desser, T. S., Folkins, A., Longacre, T., Berek, J., Lutz, A. M.
  2023: e2300091
- **Patellar Tracking: An Old Problem with New Insights.** *Radiographics : a review publication of the Radiological Society of North America, Inc*
  Watts, R. E., Gorbachova, T., Fritz, R. C., Saad, S. S., Lutz, A. M., Kim, J., Chaudhari, A. S., Shea, K. G., Sherman, S. L., Boutin, R. D.
  2023; 43 (6): e220177
- **Charachterization of spatially mapped volumetric molecular ultrasound signals for predicting response to anti-vascular therapy.** *Scientific reports*
  Keller, C. A., Zarkesh, S., Zhou, J., Lutz, A. M., Hristov, D., Kamaya, A., El Kaffas, A.
  2023; 13 (1): 1686

- **Interobserver agreement between eight observers using IOTA simple rules and O-RADS lexicon descriptors for adnexal masses.** *Abdominal radiology (New York)*
  Antil, N., Raghu, P. R., Shen, L., Tiyarattanachai, T., Chang, E. M., Ferguson, C. W., Ho, A. A., Lutz, A. M., Mariano, A. J., Morimoto, L. N., Kamaya, A.
  2022
- **Neuropathy Score Reporting and Data System (NS-RADS): MRI Reporting Guideline of Peripheral Neuropathy Explained and Reviewed.** *Skeletal radiology*
  Chhabra, A., Deshmukh, S. D., Lutz, A. M., Fritz, J., Sneag, D. B., Mogharrabi, B., Guirguis, M., Andreisek, G., Xi, Y., Ahlawat, S.
  2022
- **A robust 3D fast spin-echo technique for fast examination of the brachial plexus.** *Skeletal radiology*
  Yoon, D., Antil, N., Biswal, S., Lutz, A. M.
  2022
- **Contrast Enhanced Ultrasound Molecular Imaging of Spontaneous Chronic Inflammatory Bowel Disease in an Interleukin-2 Receptor alpha-/- Transgenic Mouse Model Using Targeted Microbubbles.** *Nanomaterials (Basel, Switzerland)*
  Wang, H., Vilches-Moure, J. G., Bettinger, T., Cherkaoui, S., Lutz, A., Paulmurugan, R.
  1800; 12 (2)
- **Automating Scoliosis Measurements in Radiographic Studies with Machine Learning: Comparing Artificial Intelligence and Clinical Reports.** *Journal of digital imaging*
  Ha, A. Y., Do, B. H., Bartret, A. L., Fang, C. X., Hsiao, A., Lutz, A. M., Banerjee, I., Riley, G. M., Rubin, D. L., Stevens, K. J., Wang, E., Wang, S., Beaulieu, et al
  2022
- **Neuropathy Score Reporting and Data System: A Reporting Guideline for MRI of Peripheral Neuropathy With a Multicenter Validation Study.** *AJR. American journal of roentgenology*
  Chhabra, A., Deshmukh, S. D., Lutz, A. M., Fritz, J., Andreisek, G., Sneag, D. B., Subhawong, T., Singer, A. D., Wong, P. K., Thakur, U., Pandey, T., Chalian, M., Mogharrabi, et al
  2022
- **Elbow Imaging: Variants and Asymptomatic Findings.** *Seminars in musculoskeletal radiology*
  Antil, N., Stevens, K. J., Lutz, A. M.
  2021; 25 (4): 546-557
- **Using Dual-Energy CT for Painful Hip Arthroplasties.** *Radiology*
  Lutz, A. M.
  2021: 211272
- **Patient-Reported Outcomes and Knee Mechanics Correlate With Patellofemoral Deep Cartilage UTE-T2* 2 Years After Anterior Cruciate Ligament Reconstruction.** *The American journal of sports medicine*
  Williams, A. A., Erhart-Hledik, J. C., Asay, J. L., Mahtani, G. B., Titchenal, M. R., Lutz, A. M., Andriacchi, T. P., Chu, C. R.
  2021: 363546520982608
- **Characteristics of Patients With Complex Limb Pain Evaluated Through an Interdisciplinary Approach Utilizing Magnetic Resonance Neurography** *Frontiers in Pain Research*
  Johnson, E. M., Yoon, D., Biswal, S., Curtin, C., Fox, P., Wilson, T. J., Carroll, I., Lutz, A., Tawfik, V.
  2021
- **Toward the Clinical Development and Validation of a Thy1-Targeted Ultrasound Contrast Agent for the Early Detection of Pancreatic Ductal Adenocarcinoma.** *Investigative radiology*
  Bam, R. n., Daryaei, I. n., Abou-Elkacem, L. n., Vilches-Moure, J. G., Meuillet, E. J., Lutz, A. n., Marinelli, E. R., Unger, E. C., Gambhir, S. S., Paulmurugan, R. n.
  2020
- **Ovarian Cancer - Current Status of Blood Biomarker and Imaging Screening Strategies** *Medical Research Archives*
  Lutz, A., Antil, N.
  2020; 8 (6)
- **Efficacy of affibody-based ultrasound molecular imaging of vascular B7-H3 for breast cancer detection.** *Clinical cancer research : an official journal of the American Association for Cancer Research*

Bam, R. n., Lown, P. S., Stern, L. A., Sharma, K. n., Wilson, K. E., Bean, G. R., Lutz, A. M., Paulmurugan, R. n., Hackel, B. J., Dahl, J. n., Abou-Elkacem, L. n.
2020

- **Do not forget the brachial plexus-prevalence of distal brachial plexus pathology on routine shoulder MRI.** *European radiology*
  Antil, N. n., ElGuindy, Y. n., Lutz, A. M.
  2020

- **The Stieda fracture revisited.** *Skeletal radiology*
  Stevens, K. J., Albtoush, O. M., Lutz, A. M.
  2020

- **Ultrasound and microbubble mediated therapeutic delivery: Underlying mechanisms and future outlook.** *Journal of controlled release : official journal of the Controlled Release Society*
  Chowdhury, S. M., Abou-Elkacem, L. n., Lee, T. n., Dahl, J. n., Lutz, A. M.
  2020

- **Chronic Model of Inflammatory Bowel Disease in IL-10(-/-) Transgenic Mice: Evaluation with Ultrasound Molecular Imaging** *THERANOSTICS*
  Wang, H., Vilches-Moure, J. G., Cherkaoui, S., Tardy, I., Alleaume, C., Bettinger, T., Lutz, A., Paulmurugan, R.
  2019; 9 (21): 6031–46

- **Is it painful to be different? Sciatic nerve anatomical variants on MRI and their relationship to piriformis syndrome** *EUROPEAN RADIOLOGY*
  Bartret, A. L., Beaulieu, C. F., Lutz, A. M.
  2018; 28 (11): 4681–86

- **US Molecular Imaging of Acute Ileitis: Anti-Inflammatory Treatment Response Monitored with Targeted Microbubbles in a Preclinical Model** *RADIOLOGY*
  Wang, H., Hyvelin, J., Felt, S. A., Guracar, I., Vilches-Moure, J. G., Cherkaoui, S., Bettinger, T., Tian, L., Lutz, A. M., Willmann, J. K.
  2018; 289 (1): 90–100

- **Pharmacokinetic Modeling of Targeted Ultrasound Contrast Agents for Quantitative Assessment of Anti-Angiogenic Therapy: a Longitudinal Case-Control Study in Colon Cancer.** *Molecular imaging and biology : MIB : the official publication of the Academy of Molecular Imaging*
  Turco, S., El Kaffas, A., Zhou, J., Lutz, A. M., Wijkstra, H., Willmann, J. K., Mischi, M.
  2018

- **Anatomical Road Mapping Using CT and MR Enterography for Ultrasound Molecular Imaging of Small Bowel Inflammation in Swine.** *European radiology*
  Wang, H. n., Felt, S. A., Guracar, I. n., Taviani, V. n., Zhou, J. n., Sigrist, R. M., Zhang, H. n., Liau, J. n., Vilches-Moure, J. G., Tian, L. n., Saenz, Y. n., Bettinger, T. n., Hargreaves, et al
  2018; 28 (5): 2068–76

- **Early prediction of tumor response to bevacizumab treatment in murine colon cancer models using three-dimensional dynamic contrast-enhanced ultrasound imaging** *ANGIOGENESIS*
  Zhou, J., Zhang, H., Wang, H., Lutz, A. M., El Kaffas, A., Tian, L., Hristov, D., Willmann, J. K.
  2017; 20 (4): 547–55

- **Detection and prevalence of variant sciatic nerve anatomy in relation to the piriformis muscle on MRI** *SKELETAL RADIOLOGY*
  Varenika, V., Lutz, A. M., Beaulieu, C. F., Bucknor, M. D.
  2017; 46 (6): 751-757

- **A Model-Based Personalized Cancer Screening Strategy for Detecting Early-Stage Tumors Using Blood-Borne Biomarkers** *CANCER RESEARCH*
  Hori, S. S., Lutz, A. M., Paulmurugan, R., Gambhir, S. S.
  2017; 77 (10): 2570-2584

- **Ultrasound Molecular Imaging With BR55 in Patients With Breast and Ovarian Lesions: First-in-Human Results.** *Journal of clinical oncology*
  Willmann, J. K., Bonomo, L., Carla Testa, A., Rinaldi, P., Rindi, G., Valluru, K. S., Petrone, G., Martini, M., Lutz, A. M., Gambhir, S. S.
  2017: JCO2016708594-?

- **[Tumors of peripheral nerves].** *Der Radiologe*
  Ho, M., Lutz, A. M.
  2017; 57 (3): 204-212

- **Intra-Animal Comparison between Three-dimensional Molecularly Targeted US and Three-dimensional Dynamic Contrast-enhanced US for Early Antiangiogenic Treatment Assessment in Colon Cancer.** *Radiology*
  Wang, H., Lutz, A. M., Hristov, D., Tian, L., Willmann, J. K.
  2017; 282 (2): 443-452

- **Feasibility of 7T MRI for Imaging Fascicular Structures of Peripheral Nerves.** *Muscle & nerve*
  Yoon, D. n., Biswal, S. n., Rutt, B. n., Lutz, A. n., Hargreaves, B. n.
  2017

- **VEGFR2-Targeted Three-Dimensional Ultrasound Imaging Can Predict Responses to Antiangiogenic Therapy in Preclinical Models of Colon Cancer.** *Cancer research*
  Zhou, J., Wang, H., Zhang, H., Lutz, A. M., Tian, L., Hristov, D., Willmann, J. K.
  2016; 76 (14): 4081-4089

- **OVEREXERTION-RELATED FOCAL ULNAR NEUROPATHY** *MUSCLE & NERVE*
  Muppidi, S., Orengo, J. P., Lutz, A.
  2016; 53 (6): 989–91

- **Quantitative Assessment of Inflammation in a Porcine Acute Terminal Ileitis Model: US with a Molecularly Targeted Contrast Agent** *RADIOLOGY*
  Wang, H., Felt, S. A., Machtaler, S., Guracar, I., Luong, R., Bettinger, T., Tian, L., Lutz, A. M., Willmann, J. K.
  2015; 276 (3): 809-817

- **Breast Cancer Detection by B7-H3-Targeted Ultrasound Molecular Imaging.** *Cancer research*
  Bachawal, S. V., Jensen, K. C., Wilson, K. E., Tian, L., Lutz, A. M., Willmann, J. K.
  2015; 75 (12): 2501-2509

- **Detection of Osseous Metastasis by 18F-NaF/18F-FDG PET/CT Versus CT Alone.** *Clinical nuclear medicine*
  Sampath, S. C., Sampath, S. C., Mosci, C., Lutz, A. M., Willmann, J. K., Mittra, E. S., Gambhir, S. S., Iagaru, A.
  2015; 40 (3): e173-7

- **Correlation of plasma biomarker levels with early-stage tumor viability in an orthotopic ovarian cancer mouse model**
  Hori, S. S., Lutz, A. M., Paulmurugan, R., Gambhir, S. S.
  AMER ASSOC CANCER RESEARCH.2014

- **Ultrasound Molecular Imaging in a Human CD276 Expression-Modulated Murine Ovarian Cancer Model.** *Clinical cancer research*
  Lutz, A. M., Bachawal, S. V., Drescher, C. W., Pysz, M. A., Willmann, J. K., Gambhir, S. S.
  2014; 20 (5): 1313-1322

- **MR imaging of the brachial plexus.** *Neuroimaging clinics of North America*
  Lutz, A. M., Gold, G., Beaulieu, C.
  2014; 24 (1): 91-108

- **Detection of pancreatic ductal adenocarcinoma in mice by ultrasound imaging of thymocyte differentiation antigen 1.** *Gastroenterology*
  Foygel, K., Wang, H., Machtaler, S., Lutz, A. M., Chen, R., Pysz, M., Lowe, A. W., Tian, L., Carrigan, T., Brentnall, T. A., Willmann, J. K.
  2013; 145 (4): 885-894 e3

- **Molecular Imaging of Inflammation in Inflammatory Bowel Disease with a Clinically Translatable Dual-Selectin-targeted US Contrast Agent: Comparison with FDG PET/CT in a Mouse Model.** *Radiology*
  Wang, H., Machtaler, S., Bettinger, T., Lutz, A. M., Luong, R., Bussat, P., Gambhir, S. S., Tranquart, F., Tian, L., Willmann, J. K.
  2013; 267 (3): 818-829

- **Earlier Detection of Breast Cancer with Ultrasound Molecular Imaging in a Transgenic Mouse Model** *CANCER RESEARCH*
  Bachawal, S. V., Jensen, K. C., Lutz, A. M., Gambhir, S. S., Tranquart, F., Tian, L., Willmann, J. K.
  2013; 73 (6): 1689-1698

- **Antiangiogenic and Radiation Therapy Early Effects on In Vivo Computed Tomography Perfusion Parameters in Human Colon Cancer Xenografts in Mice** *INVESTIGATIVE RADIOLOGY*
  Ren, Y., Fleischmann, D., Foygel, K., Molvin, L., Lutz, A. M., Koong, A. C., Jeffrey, R. B., Tian, L., Willmann, J. K.
  2012; 47 (1): 25-32

- **Quantification and Monitoring of Inflammation in Murine Inflammatory Bowel Disease with Targeted Contrast-enhanced US** *RADIOLOGY*
  Deshpande, N., Lutz, A. M., Ren, Y., Foygel, K., Tian, L., Schneider, M., Pai, R., Pasricha, P. J., Willmann, J. K.
  2012; 262 (1): 172-180

- **Early Diagnosis of Ovarian Carcinoma: Is a Solution in Sight?** *RADIOLOGY*
  Lutz, A. M., Willmann, J. K., Drescher, C. W., Ray, P., Cochran, F. V., Urban, N., Gambhir, S. S.
  2011; 259 (2): 329-345

- **Targeted Contrast-Enhanced Ultrasound Imaging of Tumor Angiogenesis with Contrast Microbubbles Conjugated to Integrin-Binding Knottin Peptides** *JOURNAL OF NUCLEAR MEDICINE*
  Willmann, J. K., Kimura, R. H., Deshpande, N., Lutz, A. M., Cochran, J. R., Gambhir, S. S.
  2010; 51 (3): 433-440

- **Focal Liver Lesions: Detection and Characterization at Double-Contrast Liver MR Imaging with Ferucarbotran and Gadobutrol versus Single-Contrast Liver MR Imaging** *RADIOLOGY*
  Heilmaier, C., Lutz, A. M., Bolog, N., Weishaupt, D., Seifert, B., Willmann, J. K.
  2009; 253 (3): 724-733

- **MR angiography with parallel acquisition for assessment of the visceral arteries: comparison with conventional MR angiography and 64-detector-row computed tomography** *EUROPEAN RADIOLOGY*
  Sutter, R., Heilmaier, C., Lutz, A. M., Weishaupt, D., Seifert, B., Willmann, J. K.
  2009; 19 (11): 2679-2688

- **USPIO-enhanced magnetic resonance imaging of the knee in asymptomatic volunteers** *EUROPEAN RADIOLOGY*
  Reiner, C. S., Lutz, A. M., Tschirch, F., Froehlich, J. M., Gaillard, S., Marincek, B., Weishaupt, D.
  2009; 19 (7): 1715-1722

- **Imaging Gene Expression in Human Mesenchymal Stem Cells: From Small to Large Animals** *RADIOLOGY*
  Willmann, J. K., Paulmurugan, R., Rodriguez-Porcel, M., Stein, W., Brinton, T. J., Connolly, A. J., Nielsen, C. H., Lutz, A. M., Lyons, J., Ikeno, F., Suzuki, Y., Rosenberg, J., Chen, et al
  2009; 252 (1): 117-127

- **Targeted microbubbles for imaging tumor angiogenesis: Assessment of whole-body biodistribution with dynamic micro-PET in mice** *RADIOLOGY*
  Willmann, J. K., Cheng, Z., Davis, C., Lutz, A. M., Schipper, M. L., Nielsen, C. H., Gambhir, S. S.
  2008; 249 (1): 212-219

- **Dual-targeted contrast agent for US assessment of tumor angiogenesis in vivo** *RADIOLOGY*
  Willmann, J. K., Lutz, A. M., Paulmurugan, R., Patel, M. R., Chu, P., Rosenberg, J., Gambhir, S. S.
  2008; 248 (3): 936-944

- **Cancer screening: A mathematical model relating secreted blood biomarker levels to tumor sizes** *PLOS MEDICINE*
  Lutz, A. M., Willmann, J. K., Cochran, F. V., Ray, P., Gambhir, S. S.
  2008; 5 (8): 1287-1297

- **Dynamic MRI of the liver with parallel acquisition technique: characterization of focal liver lesions and analysis of the hepatic vasculature in a single MRI session** *ROFO-FORTSCHRITTE AUF DEM GEBIET DER RONTGENSTRAHLEN UND DER BILDGEBENDEN VERFAHREN*
  Heilmaier, C., Sutter, R., Lutz, A. M., Seifert, B., Willmann, J. K.
  2008; 180 (5): 440-448

- **US imaging of tumor angiogenesis with microbubbles targeted to vascular endothelial growth factor receptor type 2 in mice** *RADIOLOGY*
  Willmann, J. K., Paulmurugan, R., Chen, K., Gheysens, O., Rodriguez-Porcel, M., Lutz, A. M., Chen, I. Y., Chen, X., Gambhir, S. S.
  2008; 246 (2): 508-518

- **Mapping of hepatic vascular anatomy: Dynamic contrast-enhanced parallel MR Imaging compared with 64-detector row CT** *RADIOLOGY*
  Heilmaier, C., Sutter, R., Lutz, A. M., Seifert, B., Weishaupt, D., Marincek, B., Willmann, J. K.

2007; 245 (3): 872-880

- **Assessment of aortoiliac and renal arteries: MR angiography with parallel acquisition versus conventional MR angiography and digital subtraction angiography** *RADIOLOGY*
  Sutter, R., Nanz, D., Lutz, A. M., Plammatter, T., Seifert, B., Struwe, A., Heilmaier, C., Weishaupt, D., Marincek, B., Willmann, J. K.
  2007; 245 (1): 276-284

- **2-Deoxy-2-[F-18]fluoro-D-glucose accumulation in ovarian carcinoma cell lines** *MOLECULAR IMAGING AND BIOLOGY*
  Lutz, A. M., Ray, P., Willmann, J. K., Drescher, C., Gambhir, S. S.
  2007; 9 (5): 260-266

- **Assessment of the abdominal aorta and its visceral branches by contrast-enhanced dynamic volumetric hepatic parallel magnetic resonance imaging: feasibility, reliability and accuracy** *EUROPEAN RADIOLOGY*
  Werder, R., Nanz, D., Lutz, A. M., Weishaupt, D., McCormack, L., Seifert, B., Marincek, B., Willmann, J. K.
  2007; 17 (2): 541-551

- **Prospective intraindividual comparison between respiratory-triggered balanced steady-state free precession and breath-hold gradient-echo and time-of-flight magnetic resonance imaging for assessment of portal and hepatic veins** *EUROPEAN RADIOLOGY*
  Willmann, J. K., Goepfert, K., Lutz, A. M., Nanz, D., McCormack, L., Petrowsky, H., Seifert, B., Hervo, P., Marincek, B., Weishaupt, D.
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- **USPIO-enhanced MR imaging for visualization of synovial hyperperfusion and detection of synovial macrophages: Preliminary results in an experimental model of antigen-induced arthritis** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
  Lutz, A. M., Goepfert, K., Jochum, W., Nanz, D., Froehlich, J. M., Weishaupt, D.
  2006; 24 (3): 657-666

- **Uptake of F-18-fluorocholine, F-18-fluoro-ethyl-L-tyrosine and F-18-fluoro-2-deoxyglucose in F98 gliomas in the rat** *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING*
  Spaeth, N., Wyss, M. T., Pahnke, J., Biollaz, G., Lutz, A., Goepfert, K., Westera, G., Treyer, V., Weber, B., Buck, A.
  2006; 33 (6): 673-682

- **Characteristics of displaceable and nondisplaceable meniscal tears at kinematic MR imaging of the knee** *RADIOLOGY*
  Boxheimer, L., Lutz, A. M., Zanetti, M., Treiber, K., Labler, L., Marincek, B., Weishaupt, D.
  2006; 238 (1): 221-231

- **Uptake of 18F-fluorocholine, 18F-fluoro-ethyl-L: -tyrosine and 18F-fluoro-2-deoxyglucose in F98 gliomas in the rat.** *Eur J Nucl Med Mol Imaging*
  Spaeth N, Wyss MT, Pahnke J, Biollaz G, Lutz A, Goepfert K, Westera G, Treyer V, Weber B, Buck A
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- **Hepatocellular carcinoma in cirrhosis: Enhancement patterns at dynamic gadolinium-and superparamagnetic iron oxide-enhanced T1-weighted MR imaging** *RADIOLOGY*
  Lutz, A. M., Willmann, J. K., Goepfert, K., Marincek, B., Weishaupt, D.
  2005; 237 (2): 520-528

- **Imaging of macrophages in soft-tissue infection in rats: Relationship between ultrasmall superparamagnetic iron oxide dose and MR signal characteristics** *RADIOLOGY*
  Lutz, A. M., Weishaupt, D., Persohn, E., Goepfert, K., Froehlich, J., Sasse, B., Gottschalk, J., Marincek, B., Kaim, A. H.
  2005; 234 (3): 765-775

- **Uptake of F-18-fluorocholine, F-18-fluoroethyl-L-tyrosine, and F-18-FDG in acute cerebral radiation injury in the rat: Implications for separation of radiation necrosis from tumor recurrence** *JOURNAL OF NUCLEAR MEDICINE*
  Spaeth, N., Wyss, M. T., Weber, B., Scheidegger, S., Lutz, A., Verwey, J., Radovanovic, Pahnke, J., Wild, D., Westera, G., Weishaupt, D., Hermann, D. M., Kaser-Hotz, B., et al
  2004; 45 (11): 1931-1938

- **Detection of synovial macrophages in an experimental rabbit model of antigen-induced arthritis: Ultrasmall superparamagnetic iron oxide-enhanced MR imaging** *RADIOLOGY*
  Lutz, A. M., Seemayer, C., Corot, C., GAY, R. E., Goepfert, K., Michel, B. A., Marincek, B., GAY, S., Weishaupt, D.
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- **Assessment of skeletal muscle perfusion by contrast medium first-pass magnetic resonance imaging: Technical feasibility and preliminary experience in healthy volunteers** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
  Lutz, A. M., Weishaupt, D., Amann-Vesti, B. R., Pfammatter, T., Goepfert, K., Marincek, B., Nanz, D.
  2004; 20 (1): 111-121
- **MR imaging of the knee: Position related changes of the menisci in asymptomatic volunteers** *INVESTIGATIVE RADIOLOGY*
  Boxheimer, L., Lutz, A. M., Treiber, K., Goepfert, K., Crook, D. W., Marincek, B., Weishaupt, D.
  2004; 39 (5): 254-263
- **Resovist for imaging of hepatocellular carcinoma in the cirrhotic liver** *Schering Lunch Symposium on Resovist held at the ESGAR Congress*
  Weishaupt, D., Willmann, J. K., Lutz, A. M., Marincek, B.
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- **Uptake of 18F-fluorocholine, 18F-fluoroethyl-L-tyrosine, and 18F-FDG in acute cerebral radiation injury in the rat: implications for separation of radiation necrosis from tumor recurrence** *J Nucl Med*
  Spaeth N, Wyss MT, Weber B, Scheidegger S, Lutz A, Verwey J, Radovanovic I, Pahnke J, Wild D, Westera G, Weishaupt D, Hermann DM, Kaser-Hotz B, Aguzzi A, Buck A
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