

Dear Colleagues,

Here is the ASL Newsletter No. 22.

Please remember the deadline for the contest from the COST Action: *The best ASL image with the highest resolution*, which has been extended to October 10th, 13:00 CET. Further information can be found in the previous newsletter or on the ASL Network homepage.

As already announced, we will have an **ASL network dinner** at the ESMRMB in Lisbon.

Date: October 3rd, 8 pm.

Location:

Cervejaria Trindade, Rua Nova de Trindade, 20C, Lisbon

<http://www.cervejariatrindade.pt/>

Directions: <http://goo.gl/maps/RE5SR>

If you know that you will attend the dinner, please send an email to editor@asl-network.org. Additional information can be found on the ASL Network homepage.

Kind Regards,
Ina and Johanna

Recent publications September 2012, (e-publications might have been earlier):

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Animal studies

[Cerebral blood flow quantification in the rat: a direct comparison of arterial spin labeling MRI with radioactive microsphere PET.](#)

Bos A, Bergmann R, Strobel K, Hofheinz F, Steinbach J, van den Hoff J.
EJNMMI Res. 2012 Sep 15;2(1):47. [Epub ahead of print]

[Simultaneous measurement of cerebral blood flow and transit time with turbo dynamic arterial spin labeling \(Turbo-DASL\): Application to functional studies.](#)

Meng Y, Wang P, Kim SG.

Magn Reson Med. 2012 Sep;68(3):762-71. doi: 10.1002/mrm.23294. Epub 2011 Dec 9.

[The importance of RF bandwidth for effective tagging in pulsed arterial spin labeling MRI at 9.4T.](#)

Wells JA, Siow B, Lythgoe MF, Thomas DL.

NMR Biomed. 2012 Oct;25(10):1139-43. doi: 10.1002/nbm.2782. Epub 2012 Apr 19.

Pharmacological / Drug studies

[Hemodynamic Effects of Furosemide on Renal Perfusion as Evaluated by ASL-MRI.](#)

Wang J, Zhang Y, Yang X, Wang X, Zhang J, Fang J, Jiang X.

Acad Radiol. 2012 Oct;19(10):1194-200.

Perfusion studies other than on the brain

[Hemodynamic Effects of Furosemide on Renal Perfusion as Evaluated by ASL-MRI.](#)

Wang J, Zhang Y, Yang X, Wang X, Zhang J, Fang J, Jiang X.

Acad Radiol. 2012 Oct;19(10):1194-200.

Cerebral blood flow studies

CBF correlation with age

[Arterial spin labeling MRI study of age and gender effects on brain perfusion hemodynamics.](#)

Liu Y, Zhu X, Feinberg D, Guenther M, Gregori J, Weiner MW, Schuff N.

Magn Reson Med. 2012 Sep;68(3):912-22. doi: 10.1002/mrm.23286. Epub 2011 Dec 2.

Studies on special diseases

[A comparative study between arterial spin labeling and CT perfusion methods on hepatic portal venous flow.](#)

Katada Y, Shukuya T, Kawashima M, Nozaki M, Imai H, Natori T, Tamano M.

Jpn J Radiol. 2012 Sep 19. [Epub ahead of print]

[Increased ventricular lactate in chronic fatigue syndrome. III. Relationships to cortical glutathione and clinical symptoms implicate oxidative stress in disorder pathophysiology.](#)
Shungu DC, Weiduschat N, Murrugh JW, Mao X, Pillemer S, Dyke JP, Medow MS, Natelson BH, Stewart JM, Mathew SJ.
NMR Biomed. 2012 Sep;25(9):1073-87. doi: 10.1002/nbm.2772. Epub 2012 Jan 27.

[Alterations in Resting Cerebral Blood Flow Demonstrate Ongoing Pain in Osteoarthritis: An Arterial Spin Labelled Magnetic Resonance Imaging Study.](#)
Matthew A. Howard, Duncan Sanders, Kristina Krause, Jonathan O'Muircheartaigh, Aikaterini Fotopoulou, Fernando Zelaya, Michael Thacker, Nathalie Massat, John P. Huggins, William Vennart, Ernest Choy, Maxine Daniels, and Steven C.R. Williams.
Arthritis & Rheumatism 2012 August 23, doi: 10.1002/art.37685

[Arterial Spin Labeling Imaging Findings in Transient Ischemic Attack Patients: Comparison with Diffusion- and Bolus Perfusion-Weighted Imaging.](#)
Greg Zaharchuk, Jean-Marc Olivot, Nancy J. Fischbein, Roland Bammer, Matus Straka, Jonathan T. Kleinman, Gregory W. Albers.
Cerebrovasc Dis 2012 Sep 19; 34:221–228, doi: 10.1159/000339682

Comparison of ASL Techniques or ASL compared with other imaging methods

[A comparative study between arterial spin labeling and CT perfusion methods on hepatic portal venous flow.](#)
Katada Y, Shukuya T, Kawashima M, Nozaki M, Imai H, Natori T, Tamano M.
Jpn J Radiol. 2012 Sep 19. [Epub ahead of print]

[Cerebral blood flow quantification in the rat: a direct comparison of arterial spin labeling MRI with radioactive microsphere PET.](#)
Bos A, Bergmann R, Strobel K, Hofheinz F, Steinbach J, van den Hoff J.
EJNMMI Res. 2012 Sep 15;2(1):47. [Epub ahead of print]

[Combined arterial spin labeling and diffusion-weighted imaging for noninvasive estimation of capillary volume fraction and permeability-surface product in the human brain.](#)
Hales PW, Clark CA.
J Cereb Blood Flow Metab. 2012 Sep 19. doi: 10.1038/jcbfm.2012.125. [Epub ahead of print]

[Differentiating primary CNS lymphoma from glioblastoma multiforme: assessment using arterial spin labeling, diffusion-weighted imaging, and \(18\)F-fluorodeoxyglucose positron emission tomography.](#)
Yamashita K, Yoshiura T, Hiwatashi A, Togao O, Yoshimoto K, Suzuki SO, Abe K, Kikuchi K, Maruoka Y, Mizoguchi M, Iwaki T, Honda H.
Neuroradiology. 2012 Sep 9. [Epub ahead of print]

Functional Imaging / BOLD

[Measuring brain oxygenation in humans using a multiparametric quantitative blood oxygenation level dependent MRI approach.](#)

Christen T, Schmiedeskamp H, Straka M, Bammer R, Zaharchuk G.
Magn Reson Med. 2012 Sep;68(3):905-11. doi: 10.1002/mrm.23283. Epub 2011 Dec

[Quantitative changes in regional cerebral blood flow induced by cold, heat and ischemic pain: a continuous arterial spin labeling study.](#)

Frölich MA, Deshpande H, Ness T, Deutsch G.
Anesthesiology. 2012 Oct;117(4):857-67.

[T2-Based Arterial Spin Labeling Measurements of Blood to Tissue Water Transfer in Human Brain.](#)

Johannes Gregori, Norbert Schuff, Rolf Kern, Matthias Guenther.
J. Magn. Reson. Imaging 2012 Aug;000:000–000. Doi: 10.1002/jmri.23822

Kinetic Modules

[A kinetic model for vessel-encoded dynamic angiography with arterial spin labeling.](#)

Okell TW, Chappell MA, Schulz UG, Jezzard P.
Magn Reson Med. 2012 Sep;68(3):969-79. doi: 10.1002/mrm.23311. Epub 2012 Jan 13.

Review Paper/ Historical Review

[\[Neuroimaging using ultrahigh-field magnetic resonance imaging at 7 tesla: current concepts\].](#)

Sasaki M, Kudo K, Uwano I, Kabasawa H, Matsuda T.
Brain Nerve. 2012 Sep;64(9):1057-62. Japanese.

Job offerings

If you have any vacancies send them to jobs@asl-network.org

Feature articles

If you like to write a comment on an interesting article mail it to editor@asl-network.org