

Dear Colleagues,

Thanks to all of you who joined our **ASL Network Dinner** in Singapore it was great to see the community networking and discussing the 'hot topics' on ASL. Special thanks also to our sponsor [mediri](#) for the support of the ASL Network. You can find some pictures [here](#). Thanks to all photographers!

I used the long way back home to browse through the survey some of you filled in. First: Good to hear that the **ASL Newsletter** does not seem to be obsolete even in the age of RSS alerts and Google scholar.

Second: There seems to be a demand for some more interactive form of communication. Since most of you might have been using **slack** during the ISMRM and it looks like a handy way for communication, there will (likely) be an ASL slack channel in the future which hopefully serves as a platform for rapid and easy questions/discussions, to share ideas and for networking in general.

Third: Especially the young researchers expressed the need of **additional networking events** (e.g. retreats). There were discussions on that at the last [COST Action](#) meeting already. If you have any ideas and ambitions to get it started, please get in touch with your boss/institute/others and/or me – your initiative and creativity is requested!

The value of regular network meetings was also 'approved' by the COST AID Action which rated our action as [100% successful!](#)

Last not least, you find the **ASL Newsletter No. 65** on the following pages. At ISMRM perfusion study group there were also some presentation on online platforms for data analysis. You can find the some links in the last section *online toolboxes*.

Kind regards,

Klaus

Recent publications

May 2016,
(Epub & Print)

Note: The '*new*-flag' is assigned to articles which haven't been in earlier newsletters (e.g. as e-publications). Additionally you will find titles printed in **bold letters** which indicates that they are listed for the first time in this particular newsletter. For articles listed multiple times in different sections the bold letters disappear in the later sections.

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Animal Studies

new

[MRI of cerebral blood flow under hyperbaric conditions in rats.](#)

Cardenas DP, Muir ER, Duong TQ.

NMR Biomed. 2016 May 18. doi: 10.1002/nbm.3555. [Epub ahead of print]

new

[Antiangiogenic Effect of Bevacizumab: Application of Arterial Spin-Labeling Perfusion MR Imaging in a Rat Glioblastoma Model.](#)

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new

[Functional and anatomical evidence of cerebral tissue hypoxia in young sickle cell anemia mice.](#)

Cahill LS, Gazdzinski LM, Tsui AK, Zhou YQ, Portnoy S, Liu E, Mazer CD, Hare GM, Kassner A, Sled JG.

J Cereb Blood Flow Metab. 2016 May 10. pii: 0271678X16649194. [Epub ahead of print]

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[MRI-based assessment of liver perfusion and hepatocyte injury in the murine model of acute hepatitis.](#)

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CBF Regional Comparison / Regional ASL

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[Free Article](#)

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Mol Psychiatry. 2016 May 31. doi: 10.1038/mp.2016.81. [Epub ahead of print]

new

[Hemiplegic migraine and arterial spin labelling sequence].

Martín Fernández-Mayoralas D, Jiménez de la Peña M, Fernández-Jaén A, Fernández-Perrone AL.

An Pediatr (Barc). 2016 May 24. pii: S1695-4033(16)30149-7. doi:

10.1016/j.anpedi.2016.03.011. [Epub ahead of print] Spanish. [Free Article](#)

new

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Intravoxel incoherent motion diffusion-weighted imaging in stroke patients: initial clinical experience.

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new

Cerebral blood flow changes in hemodialysis and peritoneal dialysis patients: an arterial-spin labeling MR imaging.

Jiang XL, Wen JQ, Zhang LJ, Zheng G, Li X, Zhang Z, Liu Y, Zheng LJ, Wu L, Chen HJ, Kong X, Luo S, Lu GM, Ji XM, Zhang ZJ.
Metab Brain Dis. 2016 May 11. [Epub ahead of print]

new

Arterial spin labeling shows pre-epileptic tuber hyperperfusion in tuberous sclerosis complex.

Hully M, Grevent D, Breuillard D, Brunelle F, Chemaly N, Calmon R, Boddaert N, Nabbout R.
Neurology. 2016 May 3;86(18):1744-5.

new

Increased Cortical Cerebral Blood Flow in Asymptomatic Human Immunodeficiency Virus-Infected Subjects.

Sen S, An H, Menezes P, Oakes J, Eron J, Lin W, Robertson K, Powers W.
J Stroke Cerebrovasc Dis. 2016 May 5. pii: S1052-3057(16)00198-1. doi: 10.1016/j.jstrokecerebrovasdis.2016.03.045. [Epub ahead of print]

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A chronic encapsulated intracerebral hematoma mimicking a brain tumor: Findings on arterial spin labeling of MRI.

Kamide T, Seki S, Suzuki KI, Aoki T, Hirano KI, Takahashi M, Nomura M.
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Zhao L, Wang Y, Jia Y, Zhong S, Sun Y, Zhou Z, Zhang Z, Huang L.

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How far is arterial spin labeling MRI from a clinical reality? Insights from arterial spin labeling comparative studies in Alzheimer's disease and other neurological disorders.

Zhang J.

J Magn Reson Imaging. 2016 May;43(5):1020-45. doi: 10.1002/jmri.25022. Epub 2015 Aug 6. Review.

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[Comparison of cerebral blood flow measurement with \[15O\]-water positron emission tomography and arterial spin labeling magnetic resonance imaging: A systematic review.](#)

Fan AP, Jahanian H, Holdsworth SJ, Zaharchuk G.
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Functional Imaging / BOLD

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[Cardiorespiratory fitness modifies the relationship between myocardial function and cerebral blood flow in older adults.](#)

Johnson NF, Gold BT, Bailey AL, Clasey JL, Hakun JG, White M, Long DE, Powell DK.
Neuroimage. 2016 May 1;131:126-32. doi: 10.1016/j.neuroimage.2015.05.063. Epub 2015 May 30.

Others CBF Related

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Perfusion Studies Other than on the Brain

new

[Double-gated myocardial ASL perfusion imaging is robust to heart rate variation.](#)

Do HP, Yoon AJ, Fong MW, Saremi F, Barr ML, Nayak KS.

Magn Reson Med. 2016 May 30. doi: 10.1002/mrm.26282. [Epub ahead of print]

[Quantification of liver perfusion using multidelay pseudocontinuous arterial spin labeling.](#)

Pan X, Qian T, Fernandez-Seara MA, Smith RX, Li K, Ying K, Sung K, Wang DJ.

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Physiological Parameters besides CBF

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ASL in the Liver

new

[Vascular assessment of liver disease-towards a new frontier in MRI.](#)

Chouhan MD, Lythgoe MF, Mookerjee RP, Taylor SA.

Br J Radiol. 2016 May 16:20150675. [Epub ahead of print]

ASL in Kidneys

new

Arterial Transit Time-corrected Renal Blood Flow Measurement with Pulsed Continuous Arterial Spin Labeling MR Imaging.

Shimizu K, Kosaka N, Fujiwara Y, Matsuda T, Yamamoto T, Tsuchida T, Tsuchiyama K, Oyama N, Kimura H.

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[Free Article](#)

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Three-dimensional echo-planar cine imaging of cerebral blood supply using arterial spin labeling.

Shrestha M, Mildner T, Schlumm T, Robertson SH, Möller H.
MAGMA. 2016 May 25. [Epub ahead of print]

new

Measuring the labeling efficiency of pseudocontinuous arterial spin labeling.

Chen Z, Zhang X, Yuan C, Zhao X, van Osch MJ.
Magn Reson Med. 2016 May 13. doi: 10.1002/mrm.26266. [Epub ahead of print]

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ASL at Field Strength > 3T

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[Pixel-by-Pixel Arterial Spin Labeling Blood Flow Pattern Variation Analysis for Discrimination of Rheumatoid Synovitis: A Pilot Study.](#)

Sakashita T, Kamishima T, Sugimori H, Tang M, Noguchi A, Kono M, Sutherland K, Tatsuya A.

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Review Paper / Historical Review / Guidelines

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new – PERFUSION IMAGING AND FINACIAL ASPECTS

[Multicenter Survey of Current Practice Patterns in Perfusion MRI in Neuroradiology: Why, When, and How Is It Performed?](#)

Dickerson E, Srinivasan A.

AJR Am J Roentgenol. 2016 May 17:1-5. [Epub ahead of print]

new

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Mendes A, Sampaio L.

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