

Peer-Reviewed Publications

1. Deelchand D, Marjańska M, Henry, PG, **Terpstra M**. MEGA-PRESS of GABA+: Influence of acquisition parameters. NMR in Biomedicine. 2021 34:e4199.
2. Marjańska M, **Terpstra M**. Influence of fitting approaches in LCModel on MRS quantification focusing on age-specific macromolecules and the spline baseline. NMR in Biomedicine. 2021 34:e4197.
3. Choi I, Andronesi OC, Barker P, Bogher W, Edden R, Kaiser LG, Lee P, Marjańska M, **Terpstra M**, de Graaf RA. Spectral editing in 1H Magnetic Resonance Spectroscopy: Experts' consensus recommendations. NMR in Biomedicine. 2021;34e4411.
4. Kreis R, Boer V, Choi I, Cudalbu C, de Graaf R, Gasparovic C, Krssak M, Maudsley A, Meyerspeer M, Near J, Oz G, Posse S, Slotboom J, **Terpstra M**, Wilson M, Bogner W. Terminology and concepts for the characterization of in vivo MR spectroscopy methods and MR spectra: Background and experts' consensus recommendations. NMR in Biomedicine. 2020;e4347.
5. Oz G, Deelchand D, Wijnen J, Mlynarik V, Xin L, Mekle R, Noeske R, Sheenen T, Tkak I, **Experts' Working Group on Advanced Single Voxel 1H MRS**. NMR in Biomedicine. 2020;e4236.
6. Marjańska, M., McCarten, J. R., Hodges, J. S., Hemmy, L. S., **Terpstra, M**. Distinctive Neurochemistry in Alzheimer's Disease via 7 T *In Vivo* Magnetic Resonance Spectroscopy. J Alzheimers Dis. 2019; 68:559-569.
7. Bookheimer, S. Y**, Salat, D. H**, **Terpstra, M****, Ances, B. M., Barch, D. M., Buckner, R. L., Burgess, G. C., Curtiss, S. W., Diaz-Santos, M., Elam, J. S., Fischl, B., Greve, D. N., Hagy, H. A., Harms, M. P., Hatch, O. M., Hedden, T., Hodge, C., Japardi, K. C., Kuhn, T. P., Ly, T. K., Smith, S. M., Somerville, L. H., Uğurbil, K., van der Kouwe, A., Van Essen, D., Woods, R. P., Yacoub, E. The Lifespan Human Connectome Project in Aging: An overview. NeuroImage. 2019; 185:335-348.
**Equal authorship contributions.
8. Harms, M. P., Somerville, L. H., Ances, B. M., Andersson, J., Barch, D. M., Bastiani, M., Bookheimer, S. Y., Brown, T. B., Buckner, R. L., Burgess, G. C., Coalson, T. S., Chappell, M. A., Dapretto, M., Douaud, G., Fischl, B., Glasser, M. F., Greve, D. N., Hodge, C., Jamison, K. W., Jbabdi, S., Kandala, S., Li, X., Mair, R. W., Mangia, S., Marcus, D., Mascali, D., Moeller, S., Nichols, T. E., Robinson, E. C., Salat, D. H., Smith, S. M., Sotiropoulos, S. N., **Terpstra, M.**, Thomas, K. M., Tisdall, M. D., Ugurbil, K., van der Kouwe, A., Woods, R. P., Zöllei, L., Van Essen, D. C., Yacoub, E. Extending the Human Connectome Project across ages: Imaging protocols for the Lifespan Development and Aging projects. NeuroImage. 2018; 183:972-984.
9. Coles, L. D., Tuite, P. J., Öz, G., Mishra, U. R., Kartha, R. V., Sullivan, K. M., Cloyd, J. C., **Terpstra, M**. Repeated-Dose Oral N-Acetylcysteine in Parkinson's Disease: Pharmacokinetics and Effect on Brain Glutathione and Oxidative Stress. Journal of Clinical Pharmacology. 2018; 58(2):158-167.

10. Marjańska, M., Deelchand, D. K., Hodges, J. S., McCarten, J. R., Hemmy, L. S., Grant, A., **Terpstra, M.** Altered macromolecular pattern and content in the aging human brain. NMR in Biomedicine. 2018; 31(2).
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12. Marjańska, M., McCarten, J. R., Hodges, J., Hemmy, L. S., Grant, A., Deelchand, D. K., **Terpstra, M.** Region-specific aging of the human brain as evidenced by neurochemical profiles measured noninvasively in the posterior cingulate cortex and the occipital lobe using ¹H magnetic resonance spectroscopy at 7 T. Neuroscience. 2017; 354:168-177.
13. **Terpstra, M.**, Cheong, I., Lyu, T., Deelchand, D. K., Emir, U. E., Bednařík, P., Eberly, L. E., Öz, G. Test-retest reproducibility of neurochemical profiles with short-echo, single-voxel MR spectroscopy at 3T and 7T. Magnetic Resonance in Medicine. 2016; 76(4):1083-1091.
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