

## Book chapters

Kehr J, Yoshitake T (2017). Derivatization Chemistries for Improved Detection of Monoamine Neurotransmitters and their Metabolites in Microdialysis Samples by Liquid Chromatography with Fluorescence Detection and Mass Spectrometry. In: Compendium of In-Vivo Monitoring in Real-time Molecular Neuroscience, Vol. 2, Microdialysis and Sensing of Neural Tissues Eds. GS Wilson, AC Michael. World Scientific Publishing, Singapore, pp. 193-216.

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Yoshitake T, Yoshitake S, Ijiri S, Koch E, Nöldner M, Kehr J (2011). Ginkgo biloba leaf extract (EGb 761®) and its specific acylated flavonol constituents increase dopamine and acetylcholine levels in the rat medial prefrontal cortex: Possible implications for cognitive enhancing properties of the ginkgo extract. In: Handbook on Flavonoids: Dietary Sources, Properties and Health Benefits. Eds. K Yamane, Y Kato, Nova Science Publishers, Inc., NY, 2012, USA.

Kehr J (2007). New methodological aspects of microdialysis. In: Handbook of microdialysis: Methods, Applications and Perspectives. Eds. BHC Westerink, T Cremers. Elsevier, The Netherlands. pp. 111-129.

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## Selected top publications

Kehr J, Wang F-H, Ichinose F, Yoshitake S, Farkas B, Kiss B, Adham N (2022). Preferential effects of cariprazine on counteracting the disruption of social interaction and decrease in extracellular dopamine levels induced by the dopamine D3 receptor agonist, PD-128907 in rats: Implications for the treatment of negative and depressive symptoms of psychiatric disorders. **Front Psychiatry**, 12: 801641.

Lumsden EW, Troppoli TA, Myers SJ, Zanos P, Aracava Y, Kehr J, Lovett J, Kim S, Wang FH, Schmidt S, Jenne CE, Yuan P, Morris PJ, Thomas CJ, Zarate CA Jr, Moaddel R, Traynelis SF, Pereira EFR, Thompson SM, Albuquerque EX, Gould TD (2019). Antidepressant-relevant concentrations of the ketamine metabolite (2R,6R)-hydroxynorketamine do not block NMDA receptor function. **Proc Natl Acad Sci U S A**, 116:5160-5169.

Laguna A, Schintu N, Nobre A, Alvarsson A, Volakakis N, Jacobsen JK, Gómez-Galán M, Sopova E, Joodmardi E, Yoshitake T, Deng Q, Kehr J, Ericson J, Svenningsson P, Shupliakov O, Perlmann T (2015). Dopaminergic control of autophagic-lysosomal function implicates Lmx1b in Parkinson's disease. **Nature Neurosci**, 18:826-835.

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Kehr J, Yoshitake T (2013). Monitoring molecules in neuroscience: historical overview and current advancements. **Frontiers in Bioscience (Elite Ed): Neurobiology of sub-second dopamine signaling**, E5:947-954.

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