

Jan Kehr, PhD.
List of publications (1984-2022)

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.

Kehr J, Yoshitake T (2013). Determination of Histamine in Microdialysis Samples from the Rodent Brain by Column Liquid Chromatography. In: Microdialysis Techniques in Neuroscience, Neuromethods, vol 75. Eds. G Di Giovanni, V Di Matteo. Springer Protocols, Humana Press, New York, USA, pp. 299-320.

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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.

Kehr J, Yoshitake T (2006). Monitoring brain chemical signals by microdialysis. In: Encyclopedia of Sensors, Vol. 6. Eds. CA Grimes, EC Dickey, MV Pishko. American Scientific Publishers, Valencia, California, USA. pp. 287-312.

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10 selected top publications

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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.

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Hascup ER, Hascup KN, Pomerleau F, Huettl P, Hajos-Korcsok E, Kehr J, Gerhardt GA (2012). An allosteric modulator of metabotropic glutamate receptors (mGluR₂), (+)-TFMPIP, inhibits restraint stress-induced phasic glutamate release in rat prefrontal cortex.

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127	Kehr J, Wang F-H, Ichinose F, Yoshitake S, Farkas B, Kiss B, Adham N (2021). 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. <i>Front Psychiatry</i> , 12 : 801641.
126	Adori C, Daraio T, Kuiper R, Barde S, Horvathova L, Yoshitake T, Ihnatko R, Valladolid-Acebes I, Verduyck P, Wellendorf AM, Gramignoli R, Bozoky B, Kehr J, Theodorsson E, Cancelas JA, Mravec B, Jorns C, Ellis E, Mulder J, Uhlén M, Bark C, Hökfelt T. Disorganization and degeneration of liver sympathetic innervations in nonalcoholic fatty liver disease revealed by 3D imaging. <i>Sci Adv</i> , 2021 Jul 21;7(30):eabg5733. doi: 10.1126/sciadv.abg5733. Print 2021 Jul.
125	Dallérac G, Li X, Lecouflet P, Morisot N, Sacchi S, Asselot R, Pham TH, Potier B, Watson DJG, Schmidt S, Levasseur G, Fossat P, Besedin A, Rivet JM, Coyle JT, Collo G, Pollegioni L, Kehr J, Galante M, Fone KC, Gardier AM, Freret T, Contarino A, Millan MJ, Mothet JP (2021). Dopaminergic neuromodulation of prefrontal cortex activity requires the NMDA receptor coagonist d-serine. <i>Proc Natl Acad Sci U S A</i> , 2021 Jun 8;118(23):e2023750118. doi: 10.1073/pnas.2023750118.
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121	Lietzau G, Magni G, Kehr J, Yoshitake T, Candeias E, Duarte AI, Pettersson H, Skogsberg J, Abbracchio MP, Klein T, Nyström T, Ceruti S, Darsalia V, Patrone C (2020). Dipeptidyl peptidase-4 inhibitors and sulfonylureas prevent the progressive impairment of the nigrostriatal dopaminergic system induced by diabetes during aging. <i>Neurobiol Aging</i> , 89 , 12-23.
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118	Donello JE, Banerjee P, Li YX, Guo YX, Yoshitake T, Zhang XL, Miry O, Kehr J, Stanton PK, Gross AL, Burgdorf JS, Kroes RA, Moskal JR (2019). Positive N-Methyl-D-Aspartate Receptor Modulation by Rapastinel Promotes Rapid and Sustained Antidepressant-Like Effects. <i>Int J Neuropsychopharmacol</i> , 22 , 247-259.
117	Hökfelt T, Barde S, Xu ZD, Kuteeva E, Rüeegg J, Le Maitre E, Risling M, Kehr J, Ihnatko R, Theodorsson E, Palkovits M, Deakin W, Bagdy G, Juhasz G, Prud'homme HJ, Mechawar N, Diaz-Heijtz R, Ögren SO (2018). Neuropeptide and Small Transmitter Coexistence: Fundamental Studies and Relevance to Mental Illness. <i>Front Neural Circuits</i> , 12 :106. doi: 10.3389/fncir.2018.00106. eCollection 2018. Review.
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112	Tajeddinn W, Persson T, Calvo-Garrido J, Seed Ahmed M, Maioli S, Vijayaraghavan S, Kazokoglu MS, Parrado-Fernández C, Yoshitake T, Kehr J, Francis P, Winblad B, Höglund K, Cedazo-Minguez A, Aarsland D (2016). Pharmacological Modulations of the Serotonergic System in a Cell-Model of Familial Alzheimer's Disease. <i>J Alzheimers Dis</i> , 53 , 349-361.
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102	Kehr J, Yoshitake T (2013). Monitoring molecules in neuroscience: historical overview and current advancements. <i>Frontiers in Bioscience (Elite Ed): Neurobiology of sub-second dopamine signaling</i> , E5 , 947-954.
101	Terkelsen AJ, Gierthmühlen J, Petersen LJ, Knudsen L, Christensen NJ, Kehr J, Yoshitake T, Madsen CS, Wasner G, Baron R, Jensen TS (2013). Cutaneous noradrenaline measured by microdialysis in complex regional pain syndrome during whole-body cooling and heating. <i>Exp Neurol</i> , 247 , 456-465.
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91	Yoshitake T, Yoshitake S, Savage S, Elvander-Tottie E, Ogren SO, Kehr J (2011). Galanin differentially regulates acetylcholine release in ventral and dorsal hippocampus: a microdialysis study in awake rat. <i>Neuroscience</i> , 197 , 172-180.
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