

## CV Dr. Bernd L. Fiebich

<i>Name</i>	Fiebich
<i>Prenome</i>	Bernd L.
<i>Date of birth</i>	9.7.1962
<i>Education</i>	Diploma in Biology at the Albert-Ludwigs-University in Freiburg i. Br. , Germany. Thesis: Paternal mutants of <i>C. elegans</i> . PhD 1993, Dept. Molecular Cell Biology at Gödecke/Parke-Davies AG in Freiburg i. Br. Thesis: High-efficiency expression of protein kinase C isoenzymes and isoforms of vascular endothelial growth factor in baculovirus-infected insect cells.
<i>Job position</i>	Head of laboratory and research group Neurochemistry and Neuroinflammation at the Department of Psychiatry and Psychotherapy, University Medical School Freiburg (since 1993)
<i>Know-how</i>	Molecular, biochemical, and cellular neurobiology, neurodegeneration, neuroinflammation, CNS cells e.g. microglia, CNS tissues, signalling mechanisms, miRNA
<i>Scientific Memberships</i>	Neurowissenschaftliche Gesellschaft Immunologische Gesellschaft: Arbeitskreis Neuroimmunoendocrinologie GEBIN (German Brain Immune Network) Neuroinflammation Working Group (USA) SN: International Society of Neurochemistry
<i>Publications</i>	>190 original research articles >16 500 citations, h-factor = 66 (google scholar)  Editorial board: Frontiers Pharmacology
<i>Topics and cooperations</i>	<ul style="list-style-type: none"> <li>• Neuroinflammation: Dr. Antonio Oliveira (University of Minas Gerais, Belo Horizonte, Brasil), Dr. Candelario-Jalil, (University of Florida, Gainesville, USA)</li> <li>• GPRs: Prof. Bäse (KIT Karlsruhe), Prof. F. Simonin (University of Strasbourg, France)</li> <li>• miRNA: Dr. T. Nuehrenberg (University Heart Center Bad Krozingen), Dr. A Höllig (University Hospital RWTH Aachen),</li> <li>• Natural products: Prof. M. Heinrich (School of Pharmacy London), Prof. G. Appendino (University of Navarra, Italy), Prof. M. Olajide (University of Huddersfield, UK) , Prof. E. Munoz (University of Cordoba, Spain)</li> <li>• Nutrition and healthy aging: Dr. G. Eckert (University of Frankfurt)</li> <li>• Neuropeptides: Prof. K. Lieb (Universitätsmedizin Mainz)</li> <li>• Environmental toxins affecting the brain: Prof.H. Fetou (University of Sfax, Tunisia), Prof. M. Bouchard (University of Montreal, Canada)</li> <li>• Purino receptors: Prof. R. Akundi (South Asian University, New Delhi, India)</li> <li>• Microglia/CNS and Nanowires: Prof. T. Stieglitz (IMTEK Freiburg)</li> </ul>
<i>Recent Publications</i>	2018-2021
2021	<p>Meixensberger S, Kuzior H, <b>Fiebich BL</b>, Süß P, Runge K, Berger B, Nickel K, Denzel D, Schiele MA, Michel M, Maier S, Bechter K, Domschke K, Tebartz van Elst L, Endres D. Upregulation of sICAM-1 and sVCAM-1 Levels in the Cerebrospinal Fluid of Patients with Schizophrenia Spectrum Disorders. <i>Diagnostics</i> (Basel). 2021 Jun 22;11(7):1134. doi: 10.3390/diagnostics11071134. PMID: 34206599</p> <p>Michel M, <b>Fiebich BL</b>, Kuzior H, Meixensberger S, Berger B, Maier S, Nickel K, Runge K, Denzel D, Pankratz B, Schiele MA, Domschke K, van Elst LT, Endres D. Increased GFAP concentrations in the cerebrospinal fluid of patients with unipolar depression. <i>Transl Psychiatry</i>. 2021 May 21;11(1):308. doi: 10.1038/s41398-021-01423-6.</p> <p>Saliba SW , Gläser F, Deckers A, Keil A, Hurrle T, Apweiler M, Ferver F, Volz N, Endres D, Bräse S, <b>Fiebich BL</b>. Effects of a Novel GPR55 Antagonist on the Arachidonic Acid Cascade in LPS-Activated Primary Microglial Cells. <i>Int. J. Mol. Sci.</i> <b>2021</b>, 22, 2503. <a href="https://doi.org/10.3390/ijms22052503">https://doi.org/10.3390/ijms22052503</a></p> <p>Runge K, <b>Fiebich BL</b>, Kuzior H, Saliba SW, Yousif NM, Meixensberger S, Nickel K, Denzel D, Schiele MA, Maier SJ, Berger B, Dersch R, Domschke K, Tebartz van Elst L,</p>

	<p>Endres D. An observational study investigating cytokine levels in the cerebrospinal fluid of patients with schizophrenia spectrum disorders. <i>Schizophr Res.</i> 2021 May;231:205-213. doi: 10.1016/j.schres.2021.03.022. Epub 2021 Apr 19. PMID: 33887648</p> <p>Atanasov AG, Zotchev SB, Dirsch VM; International Natural Product Sciences Taskforce, Supuran CT. Natural products in drug discovery: advances and opportunities. <i>Nat Rev Drug Discov.</i> 2021 Jan 28;1-17. doi: 10.1038/s41573-020-00114-z</p> <p>Nascimento EB Jr, Romero TRL, Dutra MMGB, <b>Fiebich BL</b>, Duarte IDG, Coelho MM. Role of peripheral 5-HT<sub>1D</sub>, 5-HT<sub>3</sub> and 5-HT<sub>7</sub> receptors in the mechanical allodynia induced by serotonin in mice. <i>Biomed Pharmacother.</i> 2021 Jan 13;135:111210. doi: 10.1016/j.biopha.2020.111210.</p> <p>González-Mariscal I, Carmona-Hidalgo B, Winkler M, Unciti-Broceta JD, Escamilla A, Gómez-Cañas M, Fernández-Ruiz J, Fiebich BL, Romero-Zerbo SY, Bermúdez-Silva FJ, Collado JA, Muñoz E. (+)-trans-Cannabidiol-2-hydroxy pentyl is a dual CB<sub>1</sub>R antagonist/CB<sub>2</sub>R agonist that prevents diabetic nephropathy in mice. <i>Pharmacol Res.</i> 2021 Jul;169:105492. doi: 10.1016/j.phrs.2021.105492. Epub 2021 May 19. PMID: 34019978</p> <p>Akter S, Sharma RK, Sharma S, Rastogi S, <b>Fiebich BL</b>, Akundi RS. Exogenous ATP modulates PGE<sub>2</sub> release in macrophages through sustained phosphorylation of CDK9 and p38 MAPK. <i>J Leukoc Biol.</i> 2021 Jan 13. doi: 10.1002/JLB.3A1219-697RR</p>
2020	<p>Kuzior H, <b>Fiebich BL</b>, Yousif NM, Saliba SW, Ziegler C, Nickel K, Maier SJ, Süß P, Runge K, Matysik M, Dersch R, Berger B, Robinson T, Venhoff N, Kessler F, Blank T, Domschke K, Tebartz van Elst L, Endres D. Increased IL-8 concentrations in the cerebrospinal fluid of patients with unipolar depression. <i>Compr Psychiatry.</i> 2020 Oct;102:152196. doi: 10.1016/j.comppsy.2020.152196. Epub 2020 Aug 12. PMID: 32927367</p> <p>Endres D, Rauer S, Venhoff N, Süß P, Dersch R, Runge K, <b>Fiebich BL</b>, Nickel K, Matysik M, Maier S, Domschke K, Egger K, Prüss H, van Elst LT. Probable Autoimmune Depression in a Patient With Multiple Sclerosis and Antineuronal Antibodies. <i>Front Psychiatry.</i> 2020 Aug 13;11:745. doi: 10.3389/fpsy.2020.00745. eCollection 2020. PMID: 32922313</p> <p>Gargouri B, Boukholda K, Kumar A, Benazzouz A, Fetoui H, <b>Fiebich BL</b>, Bouchard M. Bifenthrin insecticide promotes oxidative stress and increases inflammatory mediators in human neuroblastoma cells through NF-kappaB pathway. <i>Toxicol In Vitro.</i> 2020 Jun;65:104792. doi: 10.1016/j.tiv.2020.104792. Epub 2020 Feb 13. PMID: 32061760</p> <p>Tewari D, Sah AN, Bawari S, Nabavi SF, Dehpour AR, Shirooie S, Braidy N, <b>Fiebich BL</b>, Vacca RA, Nabavi SM. Role of Nitric oxide in neurodegeneration: function, regulation and inhibition. <i>Curr Neuropharmacol.</i> 2020 Apr 28. doi: 0.2174/1570159X18666200429001549. Online ahead of print. PMID: 32348225</p> <p>Dersch R, Tebartz van Elst L, Hochstuhl B, <b>Fiebich BL</b>, Stich O, Robinson T, Matysik M, Michel M, Runge K, Nickel K, Domschke K, Endres D. Anti-Thyroid Peroxidase and Anti-Thyroglobulin Autoantibodies in the Cerebrospinal Fluid of Patients with Unipolar Depression. <i>J Clin Med.</i> 2020 Jul 27;9(8):E2391. doi: 10.3390/jcm9082391. PMID: 32726952</p>
2019	<p>Sturm L, van Elst LT, <b>Fiebich BL</b>, Wolkewitz M, Hornig T. Intra-day variations of blood reelin levels in healthy individuals. <i>Arch Med Sci.</i> 2019 Dec 31;16(1):118-123. doi: 10.5114/aoms.2020.91288. eCollection 2020. PMID: 32051714</p> <p>Saliba SW, Bonifacino T, Serchov T, Bonanno G, de Oliveira ACP, <b>Fiebich BL</b>. Neuroprotective Effect of AM404 Against NMDA-Induced Hippocampal Excitotoxicity. <i>Front Cell Neurosci.</i> 2019 Dec 20;13:566. doi: 10.3389/fncel.2019.00566. eCollection 2019. PMID: 31920563 Free PMC article.</p> <p>Götz MR, Collado JA, Fernández-Ruiz J, <b>Fiebich BL</b>, García-Toscano L, Gómez-Cañas M, Koch O, Leha A, Muñoz E, Navarrete C, Pazos MR, Holzgrave U. Structure-Effect Relationships of Novel Semi-Synthetic Cannabinoid Derivatives. <i>Front Pharmacol.</i> 2019 Nov 20;10:1284. doi: 10.3389/fphar.2019.01284. eCollection 2019. PMID: 31824305 Free PMC article.</p> <p>Bellozi PMQ, Gomes GF, de Oliveira LR, Olmo IG, Vieira ÉLM, Ribeiro FM, <b>Fiebich BL</b>,</p>

	<p>de Oliveira ACP. NVP-BEZ235 (Dactolisib) Has Protective Effects in a Transgenic Mouse Model of Alzheimer's Disease. <i>Front Pharmacol.</i> 2019 Nov 13;10:1345. doi: 10.3389/fphar.2019.01345. eCollection 2019. PMID: 31798451 Free PMC article.</p> <p>Batista CRA, Gomes GF, Candelario-Jalil E, <b>Fiebich BL</b>, de Oliveira ACP. Lipopolysaccharide-Induced Neuroinflammation as a Bridge to Understand Neurodegeneration. <i>Int J Mol Sci.</i> 2019 May 9;20(9):2293. doi: 10.3390/ijms20092293. PMID: 31075861 Free PMC article. Review.</p> <p>Lüngen EM, Maier V, Venhoff N, Salzer U, Dersch R, Berger B, Riering AN, Nickel K, <b>Fiebich BL</b>, Süß P, Maier SJ, Egger K, Tebartz van Elst L, Endres D. Systemic Lupus Erythematosus With Isolated Psychiatric Symptoms and Antinuclear Antibody Detection in the Cerebrospinal Fluid. <i>Front Psychiatry.</i> 2019 Apr 25;10:226. doi: 10.3389/fpsy.2019.00226. eCollection 2019. PMID: 31105597 Free PMC article.</p> <p>Gargouri B, Bouchard M, Saliba SW, Fetoui H, <b>Fiebich BL</b>. Repeated bifenthrin exposure alters hippocampal Nurr-1/AChE and induces depression-like behavior in adult rats. <i>Behav Brain Res.</i> 2019 Sep 16;370:111898. doi: 10.1016/j.bbr.2019.04.012. Epub 2019 Apr 9. PMID: 30978409</p> <p>Endres D, Süß P, Maier SJ, Friedel E, Nickel K, Ziegler C, <b>Fiebich BL</b>, Glocker FX, Stock F, Egger K, Lange T, Dacko M, Venhoff N, Erny D, Doostkam S, Komlosi K, Domschke K, Tebartz van Elst L. New Variant of MELAS Syndrome With Executive Dysfunction, Heteroplasmic Point Mutation in the <i>MT-ND4</i> Gene (m.12015T&gt;C; p.Leu419Pro) and Comorbid Polyglandular Autoimmune Syndrome Type 2. <i>Front Immunol.</i> 2019 Mar 21;10:412. doi: 10.3389/fimmu.2019.00412. eCollection 2019. PMID: 30949164 Free PMC article.</p> <p>Velagapudi R, Lepiarz I, El-Bakoush A, Katola FO, Bhatia H, <b>Fiebich BL</b>, Olajide OA. Induction of Autophagy and Activation of SIRT-1 Deacetylation Mechanisms Mediate Neuroprotection by the Pomegranate Metabolite Urolithin A in BV2 Microglia and Differentiated 3D Human Neural Progenitor Cells. <i>Mol Nutr Food Res.</i> 2019 May;63(10):e1801237. doi: 10.1002/mnfr.201801237. Epub 2019 Mar 7. PMID: 30811877</p>
2018	<p>Saliba SW, Jauch H, Gargouri B, Keil A, Hurrle T, Volz N, Mohr F, van der Stelt M, Bräse S, <b>Fiebich BL</b>. Anti-neuroinflammatory effects of GPR55 antagonists in LPS-activated primary microglial cells. <i>J Neuroinflammation.</i> 2018 Nov 19;15(1):322. doi: 10.1186/s12974-018-1362-7. PMID: 30453998 Free PMC article.</p> <p>Koshak AE, Yousif NM, <b>Fiebich BL</b>, Koshak EA, Heinrich M. Comparative Immunomodulatory Activity of <i>Nigella sativa</i> L. Preparations on Proinflammatory Mediators: A Focus on Asthma. <i>Front Pharmacol.</i> 2018 Oct 2;9:1075. doi: 10.3389/fphar.2018.01075. eCollection 2018. PMID: 30333747 Free PMC article.</p> <p><b>Fiebich BL</b>, Batista CRA, Saliba SW, Yousif NM, de Oliveira ACP. Role of Microglia TLRs in Neurodegeneration. <i>Front Cell Neurosci.</i> 2018 Oct 2;12:329. doi: 10.3389/fncel.2018.00329. eCollection 2018. PMID: 30333729 Free PMC article.</p> <p>Frase L, Doerr JP, Feige B, Rechenbach M, <b>Fiebich BL</b>, Riemann D, Nissen C, Voderholzer U. Different Endocrine Effects of an Evening Dose of Amitriptyline, Escitalopram, and Placebo in Healthy Participants. <i>Clin Psychopharmacol Neurosci.</i> 2018 Aug 31;16(3):253-261. doi: 10.9758/cpn.2018.16.3.253. PMID: 30121974 Free PMC article.</p> <p>Gargouri B, Yousif NM, Attaai A, Bouchard M, Chtourou Y, <b>Fiebich BL</b>, Fetoui H. Pyrethroid bifenthrin induces oxidative stress, neuroinflammation, and neuronal damage, associated with cognitive and memory impairment in murine hippocampus. <i>Neurochem Int.</i> 2018 Nov;120:121-133. doi: 10.1016/j.neuint.2018.08.004. Epub 2018 Aug 10. PMID: 30102949</p> <p><i>Ex vivo</i> anti-inflammatory effects of probiotics for periodontal health. Schmitter T, <b>Fiebich BL</b>, Fischer JT, Gajfulin M, Larsson N, Rose T, Goetz MR. <i>J Oral Microbiol.</i> 2018 Jul 25;10(1):1502027. doi: 10.1080/20002297.2018.1502027. eCollection 2018. PMID: 30057719 Free PMC article.</p> <p>Gargouri B, Bhatia HS, Bouchard M, <b>Fiebich BL</b>, Fetoui H. Inflammatory and oxidative mechanisms potentiate bifenthrin-induced neurological alterations and anxiety-like behavior in adult rats. <i>Toxicol Lett.</i> 2018 Sep 15;294:73-86. doi:</p>

10.1016/j.toxlet.2018.05.020. Epub 2018 May 26. PMID: 29775722

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Gargouri B, Carstensen J, Bhatia HS, Huell M, Dietz GPH, **Fiebich BL**. Anti-neuroinflammatory effects of Ginkgo biloba extract EGb761 in LPS-activated primary microglial cells. *Phytomedicine*. 2018 May 15;44:45-55. doi: 10.1016/j.phymed.2018.04.009. Epub 2018 Apr 6. PMID: 29895492

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