

Curriculum Vitae

Personal information **Harald Sitte**

Work experience

Current Positions at the Medical University of Vienna, Vienna, Austria

2010 - present	Professor of Psychopharmacology, Institute of Pharmacology
2012 - present	Head, Research Support, University Clinic of Dentistry
2014 - present	Head, The Centre for Addiction Research and Science

Professional Appointments

1998 - 2010	Assistant Professor (1998-2001), Associate Professor (2001-2010), Institute of Pharmacology, University of Vienna, <i>Chairman</i> : Prof. Dr. Michael Freissmuth.
1995 - 1997	Assistant Professor, Institute of Biochemical Pharmacology, University of Vienna, <i>Chairman</i> : Prof. Dr. Oleh Hornykiewicz.
2002 - 2003	Guest Scientist ("Lektor") at the Laboratory of Neuropharmacology (Prof. Dr. Ulrik Gether), Department of Pharmacology, The Panum Institute, University of Copenhagen, Denmark

Education and training

1986 - 1993	Medical faculty of the University of Innsbruck, Austria
1993 - 1995	Medical faculty of the University of Vienna, Austria
1993	Licensing examination Hotel/Restaurant, Innsbruck, Austria.
1993 - 1994	Thesis: "Sustained dopamine release induced by secretoneurin in the striatum of the rat. A microdialysis study.", Institute of Pharmacology, University of Vienna (with Prof. Dr. E.A. Singer)
1995/05/10	Graduation as Dr. med. univ. at the University of Vienna
2001/12	Postdoctoral lecture qualification ("Habilitation") in pharmacology and toxicology
2009/10	Board certification as Specialist in Pharmacology and Toxicology
2016/07	European Certified Pharmacologist (EuCP)

Additional information

Publications

PubMed-Listed Articles

- [Ligand coupling mechanism of the human serotonin transporter differentiates substrates from inhibitors.](#)
1. Gradisch R, Schlögl K, Lazzarin E, Niello M, Maier J, Mayer FP, Alves da Silva L, Skopec SMC, Blakely RD, Sitte HH, Mihovilovic MD, Stockner T.
Nat Commun. 2024 Jan 10;15(1):417. doi: 10.1038/s41467-023-44637-6.
PMID: 38195746 Free PMC article.

2. [Structures of the amphetamine-binding receptor will aid drug discovery.](#)
Sitte HH.
Nature. 2023 Dec;624(7992):529-530. doi: 10.1038/d41586-023-03786-w.
PMID: 38087097 No abstract available.
3. [Mephedrone induces partial release at human dopamine transporters but full release at human serotonin transporters.](#)
Mayer FP, Niello M, Bulling S, Zhang YW, Li Y, Kudlacek O, Holy M, Kooti F, Sandtner W, Rudnick G, Schmid D, Sitte HH.
Neuropharmacology. 2023 Dec 1;240:109704. doi: 10.1016/j.neuropharm.2023.109704. Epub 2023 Sep 11.
PMID: 37703919
4. [Development and validation of an automated microfluidic perfusion platform for parallelized screening of compounds in vitro.](#)
Brugnoli FR, Holy M, Niello M, Maier J, Hanreich M, Menzel M, Haberler M, Zulus N, Pickl T, Ivanova C, Muiznieks LD, Garlan B, Sitte HH.
Basic Clin Pharmacol Toxicol. 2023 Nov;133(5):535-547. doi: 10.1111/bcpt.13940. Epub 2023 Sep 17.
PMID: 37658634
5. [Ethanol inhibits dopamine uptake via organic cation transporter 3: Implications for ethanol and cocaine co-abuse.](#)
Clauss NJ, Mayer FP, Owens WA, Vitela M, Clarke KM, Bowman MA, Horton RE, Gründemann D, Schmid D, Holy M, Gould GG, Koek W, Sitte HH, Daws LC.
Mol Psychiatry. 2023 Jul;28(7):2934-2945. doi: 10.1038/s41380-023-02064-5. Epub 2023 Jun 13.
PMID: 37308680 Free PMC article.
6. [Interactions of calmodulin kinase II with the dopamine transporter facilitate cocaine-induced enhancement of evoked dopamine release.](#)
Keighron JD, Bonaventura J, Li Y, Yang JW, DeMarco EM, Hersey M, Cao J, Sandtner W, Michaelides M, Sitte HH, Newman AH, Tanda G.
Transl Psychiatry. 2023 Jun 13;13(1):202. doi: 10.1038/s41398-023-02493-4.
PMID: 37311803 Free PMC article.
7. [Cross-sectional survey and Bayesian network model analysis of traditional Chinese medicine in Austria: investigating public awareness, usage determinants and perception of scientific support.](#)
Eigenschink M, Bellach L, Leonard S, Dablander TE, Maier J, Dablander F, Sitte HH.
BMJ Open. 2023 Mar 2;13(3):e060644. doi: 10.1136/bmjopen-2021-060644.
PMID: 36863740 Free PMC article.
8. [Persistent binding at dopamine transporters determines sustained psychostimulant effects.](#)
Niello M, Sideromenos S, Gradisch R, O Shea R, Schwazer J, Maier J, Kastner N, Sandtner W, Jäntsck K, Lupica CR, Hoffman AF, Lubec G, Loland CJ, Stockner T, Pollak DD, Baumann MH, Sitte HH.
Proc Natl Acad Sci U S A. 2023 Feb 7;120(6):e2114204120. doi: 10.1073/pnas.2114204120. Epub 2023 Feb 2.
PMID: 36730201 Free PMC article.
9. [Serotonin-releasing agents with reduced off-target effects.](#)
Mayer FP, Niello M, Cintulova D, Sideromenos S, Maier J, Li Y, Bulling S, Kudlacek O, Schicker K, Iwamoto H, Deng F, Wan J, Holy M, Katamish R, Sandtner W, Li Y, Pollak DD, Blakely RD, Mihovilovic MD, Baumann MH, Sitte HH.
Mol Psychiatry. 2023 Feb;28(2):722-732. doi: 10.1038/s41380-022-01843-w. Epub 2022 Nov 9.
PMID: 36352123 Free PMC article.
10. [Editorial: Old and new psychoactive substances: Pharmacology and potential applications.](#)
Mayer FP, Luethi D, Areal LB, Sitte HH.
Front Psychiatry. 2023 Jan 4;13:1087005. doi: 10.3389/fpsy.2022.1087005. eCollection 2022.
PMID: 36684007 Free PMC article. No abstract available.
11. [Rescue of Misfolded Organic Cation Transporter 3 Variants.](#)
Angenooth TJF, Maier J, Stankovic S, Bhat S, Sucic S, Freissmuth M, Sitte HH, Yang JW.
Cells. 2022 Dec 22;12(1):39. doi: 10.3390/cells12010039.
PMID: 36611832 Free PMC article.
12. [Phosphatidylinositol 4,5-bisphosphate \(PIP₂\) facilitates norepinephrine transporter dimerization and modulates substrate efflux.](#)
Luethi D, Maier J, Rudin D, Szöllösi D, Angenooth TJF, Stankovic S, Schittmayer M, Burger I, Yang JW, Jaentsch K, Holy M, Das AK, Brameshuber M, Camacho-Hernandez GA, Casiraghi A, Newman AH, Kudlacek O, Birner-Gruenberger R, Stockner T, Schütz GJ, Sitte HH.
Commun Biol. 2022 Nov 17;5(1):1259. doi: 10.1038/s42003-022-04210-1.
PMID: 36396757 Free PMC article.
13. [Structural basis of organic cation transporter-3 inhibition.](#)
Khanppnavar B, Maier J, Herborg F, Gradisch R, Lazzarin E, Luethi D, Yang JW, Qi C, Holy M, Jäntsck K, Kudlacek O, Schicker K, Werge T, Gether U, Stockner T, Korkhov VM, Sitte HH.
Nat Commun. 2022 Nov 7;13(1):6714. doi: 10.1038/s41467-022-34284-8.
PMID: 36344565 Free PMC article.
14. [A Novel and Selective Dopamine Transporter Inhibitor, \(S\)-MK-26, Promotes Hippocampal Synaptic Plasticity and Restores Effort-Related Motivational Dysfunctions.](#)
Kouhnnavardi S, Ecevitoglu A, Dragačević V, Sanna F, Arias-Sandoval E, Kalaba P, Kirchhofer M, Lubec J, Niello M, Holy M, Zehl M, Pillwein M, Wackerlig J, Murau R, Mohrmann A, Beard KR, Sitte HH, Urban E, Sagheddu C, Pistis M, Plasenzotti R, Salamone JD, Langer T, Lubec G, Monje FJ.
Biomolecules. 2022 Jun 24;12(7):881. doi: 10.3390/biom12070881.
PMID: 35883437 Free PMC article.
15. [Corrigendum: Cell-Based Radiotracer Binding and Uptake Inhibition Assays: A Comparison of In Vitro Methods to Assess the Potency of Drugs That Target Monoamine Transporters.](#)
Ilic M, Maier J, Holy M, Jaentsch K, Liechti ME, Lubec G, Baumann MH, Sitte HH, Luethi D.
Front Pharmacol. 2022 Mar 16;13:878641. doi: 10.3389/fphar.2022.878641. eCollection 2022.
PMID: 35370673 Free PMC article.
16. [Occlusion of the human serotonin transporter is mediated by serotonin-induced conformational changes in the bundle domain.](#)
Gradisch R, Szöllösi D, Niello M, Lazzarin E, Sitte HH, Stockner T.
J Biol Chem. 2022 Mar;298(3):101613. doi: 10.1016/j.jbc.2022.101613. Epub 2022 Jan 21.
PMID: 35065961 Free PMC article.
17. [\(2-Aminopropyl\)benzo\[*b*\]thiophenes \(APBTs\) are novel monoamine transporter ligands that lack](#)

- [stimulant effects but display psychedelic-like activity in mice.](#)
Rudin D, McCorvy JD, Glatfelter GC, Luethi D, Szöllösi D, Ljubišić T, Kavanagh PV, Dowling G, Holy M, Jaentsch K, Walther D, Brandt SD, Stockner T, Baumann MH, Halberstadt AL, Sitte HH.
Neuropsychopharmacology. 2022 Mar;47(4):914-923. doi: 10.1038/s41386-021-01221-0. Epub 2021 Nov 8.
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- [Dopaminergic Ric GTPase activity impacts amphetamine sensitivity and sleep quality in a dopamine transporter-dependent manner in *Drosophila melanogaster*.](#)
18. Fagan RR, Kearney PJ, Luethi D, Bolden NC, Sitte HH, Emery P, Melikian HE.
Mol Psychiatry. 2021 Dec;26(12):7793-7802. doi: 10.1038/s41380-021-01275-y. Epub 2021 Sep 1.
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- [Reinstatement of synaptic plasticity in the aging brain through specific dopamine transporter inhibition.](#)
19. Lubec J, Kalaba P, Hussein AM, Feyissa DD, Kotob MH, Mahmmoud RR, Wieder O, Garon A, Sagheddu C, Ilic M, Dragačević V, Cybulska-Klosowicz A, Zehl M, Wackerlig J, Sartori SB, Ebner K, Kounnavardi S, Roller A, Gajic N, Pistis M, Singewald N, Leban JJ, Korz V, Malikovic J, Plasenzotti R, Sitte HH, Monje FJ, Langer T, Urban E, Pifl C, Lubec G.
Mol Psychiatry. 2021 Dec;26(12):7076-7090. doi: 10.1038/s41380-021-01214-x.
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- [Interaction Profiles of Central Nervous System Active Drugs at Human Organic Cation Transporters 1-3 and Human Plasma Membrane Monoamine Transporter.](#)
20. Angenooth TJF, Stankovic S, Niello M, Holy M, Brandt SD, Sitte HH, Maier J.
Int J Mol Sci. 2021 Nov 30;22(23):12995. doi: 10.3390/ijms222312995.
PMID: 34884800 Free PMC article.
- [Structure-Activity Relationship of Novel Second-Generation Synthetic Cathinones: Mechanism of Action, Locomotion, Reward, and Immediate-Early Genes.](#)
21. Nadal-Gratacós N, Alberto-Silva AS, Rodríguez-Soler M, Urquiza E, Espinosa-Velasco M, Jäntsche K, Holy M, Batllori X, Berzosa X, Pubill D, Camarasa J, Sitte HH, Escubedo E, López-Arnau R.
Front Pharmacol. 2021 Oct 26;12:749429. doi: 10.3389/fphar.2021.749429. eCollection 2021.
PMID: 34764870 Free PMC article.
- [Illuminating the norepinephrine transporter: fluorescent probes based on nisoxetine and talopram.](#)
22. Camacho-Hernandez GA, Casiraghi A, Rudin D, Luethi D, Ku TC, Guthrie DA, Straniero V, Valoti E, Schütz GJ, Sitte HH, Newman AH.
RSC Med Chem. 2021 Jun 9;12(7):1174-1186. doi: 10.1039/d1md00072a. eCollection 2021 Jul 21.
PMID: 34355183 Free PMC article.
- [Targeting interleukin-6 to treat neuromyelitis optica spectrum disorders: Implications from immunology, the FcRn pathway and clinical experience.](#)
23. Sellner J, Sitte HH, Rommer PS.
Drug Discov Today. 2021 Jul;26(7):1591-1601. doi: 10.1016/j.drudis.2021.03.018. Epub 2021 Mar 27.
PMID: 33781948 Review.
- [Handling of intracellular K⁺ determines voltage dependence of plasmalemmal monoamine transporter function.](#)
24. Bhat S, Niello M, Schicker K, Pifl C, Sitte HH, Freissmuth M, Sandtner W.
Elife. 2021 Jun 1;10:e67996. doi: 10.7554/eLife.67996.
PMID: 34061030 Free PMC article.
- [α-PPP and its derivatives are selective partial releasers at the human norepinephrine transporter: A pharmacological characterization of interactions between pyrrolidinopropiophenones and high and low affinity monoamine transporters.](#)
25. Maier J, Rauter L, Rudin D, Niello M, Holy M, Schmid D, Wilson J, Blough BE, Gannon BM, Murnane KS, Sitte HH.
Neuropharmacology. 2021 Jun 1;190:108570. doi: 10.1016/j.neuropharm.2021.108570. Epub 2021 Apr 20.
PMID: 33864800
- [Constitutive Endocytosis of the Neuronal Glutamate Transporter Excitatory Amino Acid Transporter-3 Requires ARFGAP1.](#)
26. Saha K, Yang JW, Hofmaier T, Venkatesan S, Steinkellner T, Kudlacek O, Susic S, Freissmuth M, Sitte HH.
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PMID: 34040545 Free PMC article.
- [SLC6 transporter oligomerization.](#)
27. Jayaraman K, Das AK, Luethi D, Szöllösi D, Schütz GJ, Reith MEA, Sitte HH, Stockner T.
J Neurochem. 2021 May;157(4):919-929. doi: 10.1111/jnc.15145. Epub 2020 Aug 28.
PMID: 32767560 Free PMC article. Review.
- [Effects of Hydroxylated Mephedrone Metabolites on Monoamine Transporter Activity *in vitro*.](#)
28. Niello M, Cintulová D, Raithmayr P, Holy M, Jäntsche K, Colas C, Ecker GF, Sitte HH, Mihovilovic MD.
Front Pharmacol. 2021 Apr 9;12:654061. doi: 10.3389/fphar.2021.654061. eCollection 2021.
PMID: 33897439 Free PMC article.
- [Role of amino terminal substitutions in the pharmacological, rewarding and psychostimulant profiles of novel synthetic cathinones.](#)
29. Duart-Castells L, Nadal-Gratacós N, Muralter M, Puster B, Berzosa X, Estrada-Tejedor R, Niello M, Bhat S, Pubill D, Camarasa J, Sitte HH, Escubedo E, López-Arnau R.
Neuropharmacology. 2021 Mar 15;186:108475. doi: 10.1016/j.neuropharm.2021.108475. Epub 2021 Jan 30.
PMID: 33529677
- [⁶⁸Ga-Labelled Tropane Analogues for the Visualization of the Dopaminergic System.](#)
30. Häseli S, Holy M, Joksche M, Bergner C, Wree A, Kurth J, Cankaya A, Piel M, Krause BJ, Sitte HH, Rösch F.
ChemMedChem. 2021 Mar 3;16(5):804-808. doi: 10.1002/cmdc.202000820. Epub 2020 Dec 10.
PMID: 33245194 Free PMC article.
- [It takes two-or more-to tango: Revisiting the role of dopamine transporter oligomerization.](#)
31. Gether U, Sitte HH.
J Biol Chem. 2021 Jan-Jun;296:100629. doi: 10.1016/j.jbc.2021.100629. Epub 2021 Apr 27.
PMID: 34237901 Free PMC article.
- [The Interaction of Organic Cation Transporters 1-3 and PMAT with Psychoactive Substances.](#)
32.

- Maier J, Niello M, Rudin D, Daws LC, Sitte HH.
Handb Exp Pharmacol. 2021;266:199-214. doi: 10.1007/164_2021_469.
PMID: 33993413 Review.
- [Saturation transfer difference NMR on the integral trimeric membrane transport protein GltPh determines cooperative substrate binding.](#)
33. Hall JL, Sohail A, Cabrita EJ, Macdonald C, Stockner T, Sitte HH, Angulo J, MacMillan F.
Sci Rep. 2020 Oct 5;10(1):16483. doi: 10.1038/s41598-020-73443-z.
PMID: 33020522 Free PMC article.
- [Insight into the Anticancer Activity of Copper\(II\) 5-Methylenetrimethylammonium-Thiosemicarbazones and Their Interaction with Organic Cation Transporters.](#)
34. Milunović MNM, Palamarciuc O, Sirbu A, Shova S, Dumitrescu D, Dvoranová D, Raptă P, Petrasheuskaya TV, Enyedy EA, Spengler G, Ilic M, Sitte HH, Lubec G, Arion VB.
Biomolecules. 2020 Aug 20;10(9):1213. doi: 10.3390/biom10091213.
PMID: 32825480 Free PMC article.
- [Syntheses and analytical characterizations of novel \(2-aminopropyl\)benzo\[b\]thiophene \(APBT\) based stimulants.](#)
35. Brandt SD, Carlino L, Kavanagh PV, Westphal F, Dreiseitel W, Dowling G, Baumann MH, Sitte HH, Halberstadt AL.
Drug Test Anal. 2020 Aug;12(8):1109-1125. doi: 10.1002/dta.2813. Epub 2020 Jun 10.
PMID: 32372465 Free PMC article.
- [Allosteric Modulation of Neurotransmitter Transporters as a Therapeutic Strategy.](#)
36. Niello M, Gradisch R, Loland CJ, Stockner T, Sitte HH.
Trends Pharmacol Sci. 2020 Jul;41(7):446-463. doi: 10.1016/j.tips.2020.04.006. Epub 2020 May 26.
PMID: 32471654 Free PMC article. Review.
- [Allosterically Linked Binding Sites in Serotonin Transporter Revealed by Single Molecule Force Spectroscopy.](#)
37. Zhu R, Sandtner W, Ahlabe JEA, Newman AH, Freissmuth M, Sitte HH, Hinterdorfer P.
Front Mol Biosci. 2020 Jun 3;7:99. doi: 10.3389/fmolb.2020.00099. eCollection 2020.
PMID: 32656227 Free PMC article. Review.
- [The Amino Terminus of LeuT Changes Conformation in an Environment Sensitive Manner.](#)
38. Khan JA, Sohail A, Jayaraman K, Szöllösi D, Sandtner W, Sitte HH, Stockner T.
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- [Cell-Based Radiotracer Binding and Uptake Inhibition Assays: A Comparison of *In Vitro* Methods to Assess the Potency of Drugs That Target Monoamine Transporters.](#)
39. Ilic M, Holy M, Jaentsch K, Liechti ME, Lubec G, Baumann MH, Sitte HH, Luethi D.
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- [Esoterism in medicine.](#)
40. Sitte HH, Müller M.
Wien Klin Wochenschr. 2020 May;132(9-10):223. doi: 10.1007/s00508-019-01571-2.
PMID: 32462502 No abstract available.
- [A critical examination of the main premises of Traditional Chinese Medicine.](#)
41. Eigenschink M, Dearing L, Dablander TE, Maier J, Sitte HH.
Wien Klin Wochenschr. 2020 May;132(9-10):260-273. doi: 10.1007/s00508-020-01625-w. Epub 2020 Mar 20.
PMID: 32198544 Free PMC article. Review.
- [Dopamine transporter trafficking and Rit2 GTPase: Mechanism of action and *in vivo* impact.](#)
42. Fagan RR, Kearney PJ, Sweeney CG, Luethi D, Schoot Uiterkamp FE, Schicker K, Alejandro BS, O'Connor LC, Sitte HH, Melikian HE.
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- [Active transport of rhodamine 123 by the human multidrug transporter P-glycoprotein involves two independent outer gates.](#)
43. Nasim F, Schmid D, Szakács G, Sohail A, Sitte HH, Chiba P, Stockner T.
Pharmacol Res Perspect. 2020 Apr;8(2):e00572. doi: 10.1002/prp2.572.
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- [Structure-Activity Relationships of Novel Thiazole-Based Modafinil Analogues Acting at Monoamine Transporters.](#)
44. Kalaba P, Ilić M, Aher NY, Dragačević V, Wieder M, Zehl M, Wackerling J, Beyl S, Sartori SB, Ebner K, Roller A, Lukic N, Beryozkina T, Gonzalez ERP, Neill P, Khan JA, Bakulev V, Leban JJ, Hering S, Pifl C, Singewald N, Lubec J, Urban E, Sitte HH, Langer T, Lubec G.
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- [On the relationship of first-episode psychosis to the amphetamine-sensitized state: a dopamine D_{2/3} receptor agonist radioligand study.](#)
45. Weidenauer A, Bauer M, Sauerzopf U, Bartova L, Nics L, Pfaff S, Philippe C, Berroterán-Infante N, Pichler V, Meyer BM, Rabl U, Sezen P, Cumming P, Stimpfl T, Sitte HH, Lanzenberger R, Mossaheb N, Zimprich A, Rusjan P, Dorffner G, Mitterhauser M, Hacker M, Pezawas L, Kasper S, Wadsak W, Praschak-Rieder N, Willeit M.
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46. Niello M, Cintulova D, Hellsberg E, Jäntschi K, Holy M, Ayatollahi LH, Cozzi NV, Freissmuth M, Sandtner W, Ecker GF, Mihovilovic MD, Sitte HH.
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- [Methamphetamine \("crystal meth"\) causes induction of DNA damage and chromosomal aberrations in human derived cells.](#)
47. Ropek N, Al-Serori H, Mišík M, Nersesyan A, Sitte HH, Collins AR, Shaposhnikov S, Knasmüller S, Kundi M, Ferk F.
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48. Das AK, Kudlacek O, Baumgart F, Jaentsch K, Stockner T, Sitte HH, Schütz GJ. J Biol Chem. 2019 Apr 5;294(14):5632-5642. doi: 10.1074/jbc.RA118.006178. Epub 2019 Jan 31. PMID: 30705091 Free PMC article.
- [\$\alpha\$ -Fluorination of carbonyls with nucleophilic fluorine.](#)
49. Adler P, Teskey CJ, Kaiser D, Holy M, Sitte HH, Maulide N. Nat Chem. 2019 Apr;11(4):329-334. doi: 10.1038/s41557-019-0215-z. Epub 2019 Mar 4. PMID: 30833720
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50. Mayer FP, Cintulova D, Pittrich DA, Wimmer L, Luethi D, Holy M, Jaentsch K, Tischberger S, Gmeiner G, Hoener MC, Liechti ME, Mihovilovic MD, Sitte HH. Neuropharmacology. 2019 Apr;148:199-209. doi: 10.1016/j.neuropharm.2018.12.032. Epub 2019 Jan 2. PMID: 30610839
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51. Yang JW, Larson G, Konrad L, Shetty M, Holy M, Jäntsche K, Kastein M, Heo S, Erdem FA, Lubec G, Vaughan RA, Sitte HH, Foster JD. J Biol Chem. 2019 Mar 8;294(10):3419-3431. doi: 10.1074/jbc.RA118.005251. Epub 2018 Dec 26. PMID: 30587577 Free PMC article.
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53. Campbell NG, Shekar A, Aguilar JI, Peng D, Navratna V, Yang D, Morley AN, Duran AM, Galli G, O'Grady B, Ramachandran R, Sutcliffe JS, Sitte HH, Erreger K, Meiler J, Stockner T, Bellan LM, Matthies HJG, Gouaux E, Mchaourab HS, Galli A. Proc Natl Acad Sci U S A. 2019 Feb 26;116(9):3853-3862. doi: 10.1073/pnas.1816247116. Epub 2019 Feb 12. PMID: 30755521 Free PMC article.
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- [Carrier-mediated release, transport rates, and charge transfer induced by amphetamine, tyramine, and dopamine in mammalian cells transfected with the human dopamine transporter.](#)
189. Sitte HH, Huck S, Reither H, Boehm S, Singer EA, Pifl C. J Neurochem. 1998 Sep;71(3):1289-97. doi: 10.1046/j.1471-4159.1998.71031289.x. PMID: 9721755
- [Sustained dopamine release induced by secretoneurin in the striatum of the rat: a microdialysis study.](#)
190. Agneter E, Sitte HH, Stöckl-Hiesleitner S, Fischer-Colbrie R, Winkler H, Singer EA.

Projects

Sitte (Co-PI)	1999- 2003	Project: "The function of the serotonin transporter in seasonal affective disorder" (together with Prof. Dr. E.A. Singer and Dr. M. Willeit)	Hygiene-Fonds, Medical University Vienna	175.000 €:
Sitte (PI)	2000- 2003	Stand-alone Project P14509: "The structure/function relationship of the serotonin transporter in living cells: Investigations by fluorescence resonance energy transfer"	Austrian Science Foundation/FWF	102.000 €
Sitte (PI)	2002-2003	Stipend: "Structure/Function relationship at the human serotonin transporter "	Alfred Benzon-Foundation	85.000 €
Sitte (PI)	2004-2006	Stand-alone Project: "The molecular basis of oligomer formation in Na ⁺ /Cl ⁻ -coupled neurotransmitter transporters"	Austrian Science Foundation/FWF	196.000 €
Sitte (PI)	2004	Stand-alone Project: "The pharmacological action of Corticotropin-Releasing-Factor (CRF) and CRF-binding protein on CRF2-Receptors"	Gallo Research Institute, CA, USA	20.000 €
Sitte (PI)	2006-2009	Stand-alone Project P17076: "The molecular basis of the amphetamine action":	Austrian Science Foundation/FWF	262.000 €
Sitte (PI)	2008-2012	Special Research Programme SFB35 "Membrane Transporters in Health and Disease"	Coordination Project F3501	273.160 €
		Sub-Project F3506 "Structure/function relationships of bacterial and human transporter orthologues"		220.640 €
		Austrian Science Foundation/FWF 3.204.288 €/4a in total, subprojects Sitte:		493.800 €
Sitte (PI)	02/2008	Infrastructure call „INFRA IV": "Mass spectrometry equipment"	Austrian government / FWF/Austrian Science Funds	350.000 €
Sitte (PI)	03/2008	Infrastructure call/project: "Fluorescence Spectroscopy of Neurotransmitter Transporters of mammalian and bacterial origin"	WWTF/Infrastructure programme City of Vienna	92.510 €
Sitte (PI)	10/2009 – 03/2012	Marie-Curie Fellowship (with Therese Montgomery, PhD): "Regulatory pathways of the human Serotonin-Transporter"	Health Research Board Ireland/Marie Curie Fellowship	175.658 €
Sitte (Co-PI)	03/2011 – 02/2015	Doctoral program W1232 "Molecular Drug-Targets" Subproject 05: "Measuring conformational changes in glutamate transporters by a lanthanide resonance energy transfer-based approach"		

Austrian Science Foundation/FWF:		238.480 €
Sitte (PI)	2011 - 2014	
Stand-alone Project P23658: "The effects of phosphoinositides on neurotransmitter transporters"		
Austrian Science Foundation/FWF		401.310 €
Sitte (PI)	02/2012 – 01/2015	
Special Research Programme SFB35 "Membrane Transporters in Health and Disease" Coordination Project F3501		373.365 €
Sub-Project F3506 "Structure/function relationships of bacterial and human transporter orthologues"		310.320 €
Austrian Science Foundation/FWF 3.447.405 €/3a in total, subprojects Sitte:		683.685 €
Sitte (Co-PI)	03/2015 – 02/2019	
Doctoral program W1232 "Molecular Drug-Targets" Subproject 05: "Measuring conformational changes in glutamate transporters by a lanthanide resonance energy transfer-based approach"		
Austrian Science Foundation/FWF:		235.830 €
Sitte (PI)	02/2015 – 01/2018	
Special Research Programme SFB35 "Membrane Transporters in Health and Disease"		
Coordination Project F3501		363.353 €
Sub-Project F3506 "Structure/function relationships of bacterial and human transporter orthologues"		297.675 €
Austrian Science Foundation/FWF 3.683.212 €/3a in total, subprojects Sitte:		661.028 €
Sitte (Co-PI)	04/2016 – 03/2021	
"Imaging the functional and molecular impact of poly-unsaturated fatty acids on dopamine-dependent cognitive functions: a combined [¹¹ C]-(+)-PHNO PET/MRI study at different stages of cognitive impairment"		
Vienna Science and Technology Fund/WWTF: subproject Sitte		185.000 €
Sitte (Co-PI; PI Berger)	10/2018 – 09/2022	
Doctoral program doc.funds "Medical Neuroscience" DOC 33-B27; Subproject: "Interplay of psychostimulants with monoamine transporters"		
Austrian Science Foundation/FWF (jointly with MedUni Vienna):		168.000 €
Sitte (Co-PI)	03/2019 – 02/2024	
Doctoral program W1232 "Molecular Drug-Targets" Subproject 05: "Deciphering the molecular mode of action of Novel Psychoactive Substances"		
Austrian Science Foundation/FWF:		235.830 €
Sitte (Co-PI; PI Stockner)	02/2020 – 01/2024	
MSCA-ITN ETN: Neurotransmitter Transporters: From Single Molecules to Human Pathologies		
Horizon 2020: subproject Sitte		€ 264.207.24
Sitte (Co-PI; PI Schütz)	02/2021 – 01/2024	
Stand-alone Project P 33955 "Engineering Diffusion Barriers in the Plasma Membrane"		
Austrian Science Foundation/FWF (subproject Sitte)		€ 204.049,3
Sitte (PI)	06/2021 – 05/2024	
Stand-alone Project P 34670 "Analysis of missense mutations in organic cation transporter"		
Austrian Science Foundation/FWF (subproject Sitte)		€ 255.171
Sitte (PI)	07/2022 – 06/2025	
Stand-alone Project P 35589 "Efflux as a therapeutic strategy"		
Austrian Science Foundation/FWF (subproject Sitte)		€ 399.168

Sitte (Co-PI; PI Yang)	01/2024 –12/2027
Stand-alone Project PAT 6080523 "The role of phosphorylation in organic cation transporter 3"	
Austrian Science Foundation/FWF (subproject Sitte)	€ 168.656

Memberships

Membership in Scientific Societies

- German Society of Pharmacology and Toxicology *since 1998*
- American Society of Biochemistry and Molecular Biology *since 2001*
- American Society for Pharmacology and Exp. Therapeutics *since 2023*
- Austrian Society of Pharmacology and Toxicology *since 2003*
- Austrian Society of Neuroscience *since 2005*
- Austrian Society of Biophysics / Biophysics Austria *since 2012*
- International Society for Serotonin Research *since 2012*
- International Transmembrane Transporter Society *since 2014*
- International Society for Neurochemistry *since 2016*

Editorial board memberships

"Trends in Pharmacological Sciences", 2017 – ongoing (second term)

"Journal of Biological Chemistry", 2017 – ongoing (second term)

"Pharmacological Reviews", 2022 – ongoing

Other Relevant Information

Referee duties for applications at international/national levels

2006 Research Foundation of the Mayor of the City of Vienna

2007 BBSRC - Biotechnology and Biological Sciences Research Council, United Kingdom

2009 Health Research Board Ireland

2012 National Institutes of Health, United States of America: Grant reviewer for the National Institutes for Drug Abuse / Intramural programme

2013 NÖ Forschungs- & Bildungsges.m.b.H. (Lower Austrian Science & Education Fund)

2014 Danish Council for Independent Research, Danish Agency for Science, Technology and Innovation

2014 – ongoing Theodor Körner Fonds, scientific advisory board member

2014, 2016, 2017 European Research Council Executive Agency, ERC Starting Grant; Molecular and Structural Biology and Biochemistry'

2015 Danish Council for Independent Research | Medical Sciences – DFF-Mobilex mobility grant

2017 NÖ Forschungs- & Bildungsges.m.b.H. (Lower Austrian Science & Education Fund)

2017 Danish Council for Independent Research, Danish Agency for Science, Technology and Innovation

2018 French National Research Agency (ANR) – "Biochimie du Vivant"

2018 Netherlands Organisation for Scientific Research (NWO)

2018 IdEx University of Bordeaux, International Associated Chairs program

2019 The Academy of Finland, Expert Panel in the field of Pharmaceutical Sciences (local board meeting, March 2019)

2020 The Academy of Finland, Expert Panel in the field of Pharmaceutical Sciences (local board meeting, February 2020)

2020 The Israel Science Foundation, Personal Research Grants (1)

2020 Angelman Syndrome Foundation, Aurora, IL, USA, member of the grant review panel

2021 The Academy of Finland, Expert Panel in the field of Pharmaceutical Sciences (online board meeting, February 2021)

Referee duties for ethics committees

2004 – ongoing: Ethics committee for Vienna and the Vienna general hospital: reviewer of 28 applications up to now

2008 / 2010: Ethics committee for Lower Austria