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Current affiliation Neuroscience Research, Abbott
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Collateral affiliation Pavlov Medical University, St. Petersburg, Russia
Professor, Department of Pharmacology
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Education and professional training

INSTITUTION	DEGREE	YEAR	FIELD OF STUDY
Pavlov Medical University	M.D.	1992	Medicine
Pavlov Medical University	Ph.D.	1994	Pharmacology
Institute of Experimental Medicine	D.Med.Sci.	2000	Pharmacology

17.06.94 Candidate of Medical Sciences (Ph.D. equivalent) thesis: “Comparative study of the analgesic and reinforcing properties of excitatory amino acid receptors antagonists” (supervisors: E.E.Zvartau and L.B.Piotrovsky)

23.03.00 Doctor of Medical Sciences thesis (habilitation equivalent): “NMDA receptor antagonists: novel approach for drug tolerance and dependence treatment” (consultant: E.E.Zvartau)

Positions and Employment

1993-1994 Visiting Postgraduate Fellow, Rudolf Magnus Institute for Pharmacology, Utrecht University, The Netherlands

1994-1996 NIDA INVEST Visiting Research Fellow, Dept. of Pharmacology and Toxicology, Virginia Commonwealth University, Richmond, VA, USA

1996-2004 Head of the Laboratory of Behavioral Pharmacology, Valdman Institute of Pharmacology, Pavlov Medical University, St. Petersburg, Russia

2001 Visiting Scientist at the Department of Neuropharmacology, The Scripps Research Institute, La Jolla, CA, USA

2001-2004	Research Director, Valdman Institute of Pharmacology, Pavlov Medical University
2004-2011	Head, Behavioral Pharmacology Group, Neuroscience Discovery, Abbott Professor, Department of Pharmacology, Pavlov Medical University
2011-present	Head and Director, Department of Pharmacology, Abbott

PhD student supervision

1998-2003	Kamal Aliev, thesis title: Agents affecting glutamatergic neurotransmission and neuropathic pain: experimental and clinical study (co-advisor: A.A.Skoromets, Dept. of Neurology)
2002-2006	Elena Shekunova, thesis title: Estrogen-dependent modulation of opioid analgesia and tolerance
2002-2006	Andrey Malyshkin, thesis title: Role of glutamatergic system in acute and chronic pain processes
2002-2005	Olga Neznanova, thesis title: Use of memantine in alcohol and opiate dependence treatment: experimental and clinical study (co-advisor: E.M.Krupitsky, Dept. of Psychopharmacology)
2000-2004	Natalja Sewostjanowa, thesis title: NMDAergic mechanisms of opioid analgesia in chronic pain (co-advisor: W.Danysz, Merz Pharmaceuticals)
2004-2007	Elena Zakharova, thesis title: Experimental rationale for using nicotinic and glutamate receptor antagonists in treatment of nicotine dependence
2005-2008	Iliia Sukhanov, project title: Role of procognitive effects of nicotine in nicotine dependence
2006-2009	Yulia Novitskaya, project title: Development of the cognitive test battery for evaluation of novel antipsychotic drugs
2008-	Elena Radchenko, project title: Experimental rationale for the use of partial agonists of nicotinic receptors in the treatment of nicotine dependence
2011-	Christin Hannusch, project title: Cognitive impairment induced by electrical stimulation of ventral hippocampus

Other Experience and Professional Memberships

Guest Editorship: European Journal of Pharmacology (Special Issue 2010)

Editorial Board: European Journal of Pharmacology, Behavioural Pharmacology, Psychopharmacology

Memberships: Scientific Program Committee of European College of Neuropsychopharmacology (2010-present), European Behavioral Pharmacology Society (member of the Full Committee, 2002-2008); Scientific Council of Pavlov Medical University; Dissertation Council of Pavlov Medical University

Regular Reviewer: Psychopharmacology, European Journal of Pharmacology, Behavioural Pharmacology, European Neuropsychopharmacology, Drug and Alcohol Dependence, Pharmacology Biochemistry and Behavior, Neuropharmacology, Neuropsychopharmacology, Journal of Pharmacology and Experimental Therapeutics

Honors

1992	Excellence Diploma, Pavlov Medical University
1994	U.S. National Institute on Drug Abuse (NIDA) INVEST Fellowship
1994	President of Russian Federation's Award for Young Scientists
1996	NIDA INVEST Research Proposal Development Award
1997	European Academy Award for Young Scientists
1997	Russian State Science Award for Young Scientists
1998	European Brain Research Organization Fellowship Award
1998	European College of Neuropsychopharmacology Fellowship Award
1999	NIDA/CPDD/WHO Travel Award
2000	IBRO Fellowship against Brain Drain
2000	NIDA Distinguished International Scientist Collaboration Award
2002	Likhachev Memorial Medal for Excellence in Pharmacology Research
2003	ACNP Memorial Award
2004	The Kravkov Award (co-shared by E.E. Zvartau and E.M. Krupitsky)
2006	Early Impact Award, Abbott Laboratories
2008	Associate Research Fellow, Volwiler Society, Abbott Laboratories
2008	President's Award, Abbott Laboratories
2009	Research Fellow, Volwiler Society, Abbott Laboratories
2012	We Care award, Abbott Laboratories

Publications (full-length manuscripts)

1. Bespalov A.Y., Yavich L.B. (1988) Spreading cortical depression, induced by anxiogenic stimulation in rats, VINITI, #2043-V88, p. 1-10 (in Russian).
2. Bespalov A.Y., Zvartau E.E., Dumpis M.A., Piotrovsky L.B. (1992) Effect of N-methyl-D,L-aspartic acid on nociceptive reaction in mice, *Experimental and Clinical Pharmacology* 55, p. 17-19 (in Russian).
3. Bespalov A.Y., Zvartau E.E. (1992) Conditioned activation of electrical self-stimulation of the brain: Model of situational craving to narcotics, *Pavlov Journal of Higher Nervous Activity*¹ 42, p. 759-765 (in Russian).
4. Bespalov A.Y., Dumpis M.A., Piotrovsky L.B., Zvartau E.E. (1994) Spinal antinociceptive and nociceptive effects of ODAP analogues: a pharmacological analysis, *Pharmacology Research Communications* 4 (4), p. 259-266.
5. Bespalov A.Y., Dumpis M.A., Piotrovsky L.B., Zvartau E.E. (1994) Excitatory amino acid receptors antagonist kynurenic acid attenuates rewarding potential of morphine, *European Journal of Pharmacology* 264 (3), p. 233-239.
6. Bespalov A.Y., Dumpis M.A., Piotrovsky L.B., Zvartau E.E. (1994) Tolerance to opiate analgesia: complex effect of excitatory amino acid receptors antagonists, *Bulletin Experimental Biology and Medicine* 5, p. 494-496 (in Russian).
7. Bespalov A.Y., Zvartau E.E. (1995) Subchronic morphine increases amphetamine-induced potentiation of brain-stimulation reward: reversal by DNQX, *European Neuropsychopharmacology* 5, p. 89-93.
8. Bespalov A.Y., Zvartau E.E. (1995) The influence of isradipine on intracranial self-stimulation in rats, *Journal of Higher Nervous Activity* 45, p. 140-144 (in Russian).
9. Bespalov A.Y., Zvartau E.E. (1996) Intra-accumbens administration of NMDA receptor antagonist (\pm)-CPP prevents locomotor activation conditioned by morphine and amphetamine, *Pharmacology Biochemistry & Behavior* 55 (2), p. 203-207.
10. Bespalov A.Y. (1996) The expression of both amphetamine-conditioned place preference and pentylenetetrazol-conditioned place aversion is attenuated by the NMDA receptor antagonist (\pm)-CPP, *Drug and Alcohol Dependence* 41, p. 85-88.
11. Bespalov A.Y., Zvartau E.E. (1996) Influence of NMDA receptor antagonist (\pm)-CPP on the conditioned activation of operant responding in intracranial self-stimulation test in rats, *Journal of Higher Nervous Activity* 46, p. 117-121 (in Russian).
12. Bespalov A.Y., Zvartau E.E. (1996) Influence of kynurenic acid on the acquisition of intravenous morphine self-administration in rats, *Bulletin Experimental Biology and Medicine* 122 (7), p. 54-56 (in Russian).
13. Belozertseva I.V., Zvartau E.E., Bespalov A.Y. (1996) Behavioral effects of MK-801 in morphine-dependent and non-dependent mice, *Life Sciences* 58 (4), p. PL55-PL62.
14. Bespalov A.Y., Zvartau E.E. (1996) Classical conditioning of electrical self-stimulation of ventral tegmental area to brief visual stimuli in rats, *Journal of Neuroscience Methods* 70 (1), p. 1-4.
15. Bespalov A.Y., Zvartau E.E. (1997) NMDA receptor antagonists prevent conditioned activation of intracranial self-stimulation in rats, *European Journal of Pharmacology* 326 (2-3), p. 109-112.
16. Bespalov A.Y., Medvedev I.O., Dravolina O.A., Zvartau E.E. (1999) Discriminative stimulus effects of naloxone in Y-maze in morphine-dependent rats, *Pavlov Journal of Higher Nervous Activity* 49 (1), p. 96-105 (in Russian).

¹ Zhurnal Vyschej Nervnoj Dejatel'nosti im. akad. I.P. Pavlova

17. Bespalov A.Y., Beardsley P.M., Balster R.L. (1998) Evaluation of the interaction between N-methyl-D-aspartate receptor antagonists and discriminative stimulus effects of morphine in rats, *Pharmacology Biochemistry & Behavior* 60 (2), p. 507-517.
18. Bespalov A.Y., Kudryashova M.F., Zvartau E.E. (1998) Prolongation of morphine analgesia by competitive NMDA receptor antagonist D-CPPene in rats, *European Journal of Pharmacology* 351 (3), p. 299-305.
19. Belozertseva I.V., Bespalov A.Y. (1998) Effects of NMDA receptor channel blockers, dizocilpine and memantine, on the development of opiate analgesic tolerance induced by repeated morphine exposures or social defeats in mice, *Naunyn-Schmiedeberg's Archives of Pharmacology* 358 (2), p. 270-274.
20. Medvedev I.O., Dravolina O.A., Bespalov A.Y. (1998) Effects of N-methyl-D-aspartate receptor antagonists on discriminative stimulus effects of naloxone in morphine-dependent rats using the Y-maze drug discrimination paradigm, *Journal of Pharmacology & Experimental Therapeutics* 286 (3), p. 1260-1268.
21. Bespalov A.Y., Tokarz M.E., Bowen S.E., Beardsley P.M., Balster R.L. (1999) Effects of test conditions on the outcome of place conditioning in mice, *Psychopharmacology* 141 (2), p. 118-122.
22. Bespalov A.Y., Zvartau E.E. (1998) NMDA receptor antagonists: New pharmacological agents to control over subjective and motivational effects of abused drugs, *Proceedings of Russian Academy of Medical Sciences* 11, p. 24-29 (in Russian).
23. Sukhotina I., Dravolina O., Bespalov A. (1998) Place conditioning study with NMDA receptor antagonist eliprodil in mice. *European Journal of Pharmacology* 362 (2-3), p. 103-110.
24. Sukhotina I.A., Dravolina O.A., Medvedev I.O., Bespalov A.Y. (1999) Effects of calcium channel blockers on behaviors induced by N-methyl-D-aspartate receptor antagonist, dizocilpine, in rats, *Pharmacology Biochemistry and Behavior* 63 (4), 569-580.
25. Belozertseva I.V., Bespalov A.Y. (1999) Effects of NMDA receptor channel blockade on aggression in isolated male mice. *Aggressive Behavior* 25, 381-396.
26. Dravolina O., Belozertseva I., Danysz W., Sukhotina I., Bespalov A. (1999) Repeated exposures to NMDA receptor channel blockers in mice: no sign of intensification of morphine tolerance and dependence. *Pharmacology Biochemistry and Behavior* 63 (4), 613-619.
27. Bespalov A., Lebedev A., Panchenko G., Zvartau E. (1999) Effects of abused drugs on thresholds and breaking points of intracranial self-stimulation in rats. *European Neuropsychopharmacology* 9 (5), 377-383.
28. Bespalov A.Y., Zvartau E.E. (1999) Antagonists of ionotropic glutamate receptors as a research subject in psychopharmacology, *Trends Physiol. Sci.* 30 (1), 39-53 (in Russian).
29. Dravolina O.A., Medvedev I.O., Bespalov A.Y. (1999) Behavioral effects of glutamate receptors agonists in morphine-dependent rats, *Behavioral Pharmacology* 10 (4), 359-366.
30. Bespalov A.Y., Balster R.L., Beardsley P.M. (1999) N-Methyl-D-aspartate receptor antagonists and the development of tolerance to discriminative stimulus effects of morphine in rats, *Journal of Pharmacology & Experimental Therapeutics* 290 (1), 20-27.
31. Semenova S., Danysz W., Bespalov A. (1999) Low-affinity NMDA receptor channel blockers attenuate initiation of morphine i.v. self-administration in drug-naive mice, *European Journal of Pharmacology* 378 (1), 1-8.
32. Neznanova O.N., Blokhina E.A., Sukhotina I.A., Bespalov A.Y. (2000) Motor impairment produced by ethanol and site-selective NMDA receptor antagonists in mice: tolerance and cross-tolerance, *Alcohol* 20 (1), 31-36.
33. Medvedev I.O., Dravolina O.A., Bespalov A.Y. (1999) Differential effects of nitric oxide synthase inhibitor, 7-nitroindazole, on discriminative stimulus and somatic effects of naloxone in morphine-dependent rats, *Eur. J. Pharmacol.* 377, 183-186.

34. Bepalov A.Y., Dravolina O.A., Zvartau E.E., Beardsley P.M., Balster R.L. (2000) Effects of NMDA receptor antagonists on cocaine-conditioned locomotion in rats, *Eur. J. Pharmacol.* 390, 303-311.
35. Dravolina O.A., Zvartau E.E., Bepalov A.Y. (2000) Decrement in operant performance produced by site-selective NMDA receptor antagonists in the rat: tolerance and cross-tolerance, *Pharmacology Biochemistry and Behavior* 65 (4), 611-620.
36. Belozertseva I., Danysz W., Bepalov A. (2000) Short-acting NMDA receptor antagonist MRZ 2/576 produces prolonged suppression of morphine withdrawal in mice, *Naunyn-Schmiedeberg's Archives of Pharmacology* 361, 279-282.
37. Bepalov A.Y., Zvartau E.E., Beardsley P.M., Balster R.L. (2000) Effects of NMDA receptor antagonists on reinstatement of cocaine self-administration behavior by priming injections of cocaine or exposures to cocaine-associated cues in rats, *Behavioural Pharmacology* 11 (1), 37-44.
38. Sukhotina I.A., Bepalov A.Y. (2000) Effects of NMDA receptor channel blockers, memantine and MRZ 2/579, on a morphine withdrawal facilitated aggression in mice, *Psychopharmacology* 149 (4), 345-350.
39. Belozertseva I., Danysz W., Bepalov A. (2000) Effects of short-acting glycine site NMDA receptor antagonist, MRZ 2/576, on development of morphine analgesic tolerance in mice, *Naunyn-Schmiedeberg's Archives of Pharmacology* 361 (6), 573-577.
40. Dravolina O., Belozertseva I., Neznanova O., Danysz W., Bepalov A. (2000) NMDA receptor antagonists restore morphine analgesic activity in acutely tolerant mice, *European Journal of Pharmacology* 396, 77-83.
41. Blokhina E.A., Sukhotina I.A., Bepalov A.Y. (2000) Pretreatment with morphine potentiates naloxone-conditioned place aversion in mice: effects of NMDA receptor antagonists, *European Journal of Pharmacology* 406 (2), 227-232.
42. Bisaga A., Popik P., Bepalov A.Y., Danysz W. (2000) Therapeutic potential of NMDA receptor antagonists in the treatment of alcohol and substance use disorders, *Exp. Opin. Invest. Drugs* 9(10): 2233-2248.
43. Bepalov, A.Y., Medvedev, I.O., Sukhotina, I.A. and Zvartau, E.E. (2001) Effects of the NMDA receptor antagonist, D-CPPene, on sensitization to the operant decrement produced by naloxone in morphine-treated rats, *Behavioural Pharmacology* 12(2), 135-142.
44. Willmore C.B., Bepalov A.Y., Beardsley P.M. (2001) Competitive and noncompetitive NMDA antagonist effects in rats trained to discriminate lever-press counts, *Pharmacology Biochemistry and Behavior* 69 (3-4), 493-502.
45. Bepalov A.Y., Zvartau E.E., Beardsley P.M. (2001) Opioid-NMDA receptor interactions may clarify conditioned (associative) components of opioid analgesic tolerance. *Neuroscience and Biobehavioral Reviews* 25, 343-353.
46. Neznanova O.N., Zvartau E.E., Bepalov A.Y. (2002) Behavioral analysis of the saccharin deprivation effect in rats, *Behavioral Neuroscience* 116 (5), 747-756.
47. Willmore C.B., Bepalov A.Y., Beardsley P.M. (2002) Site-selective N-methyl-D-aspartate and alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionate antagonists produce distinct effects in rats performing complex discriminations, *Neurobiology of Learning and Memory* 78, 347-364.
48. Sevostianova N., Zvartau E., Bepalov A., Danysz W. (2003) Effects of morphine on formalin-induced nociception in rats, *Eur. J. Pharmacol.* 462 (1-3), 109-113.
49. Krupitsky E.M., Masalov D.V., Burakov A.M., Didenko T.Y., Romanova T.N., Bepalov A.Y., Neznanova O.N., Grinenko N.I., Grinenko A.Y., Slavina T.Y., Tcheremissine O.V., Zvartau E.E. (2002) A pilot study of memantine effects on protracted withdrawal (syndrome of anhedonia) in heroin addicts, *Addict. Disord. Their Treatment* 1, 143-146.

50. Bepalov A., Sukhotina I., Medvedev I., Malyshkin A., Belozertseva I., Balster R., Zvartau E. (2003) Facilitation of electrical brain self-stimulation behavior by abused solvents, *Pharmacology Biochemistry and Behavior* 75, 199-208.
51. Popik P., Bisaga A., Wrobel M., Rygula R., Bepalov A.Y. (2003) Sex, drugs and food: effects of memantine, an NMDA receptor antagonist on place preference conditioned with drug and non-drug reinforcers in mice, *Behav. Pharmacol.* 14, 237-244.
52. Sukhotina I.A., Malyshkin A.A., Markou A., Bepalov A.Y. (2003) Antidepressant-like effects of saccharin deprivation in rats: forced swim test, differential reinforcement of low rates and intracranial self-stimulation procedures, *Behavioral Neuroscience* 117, 970-977.
53. Semenova S., Bepalov A., Markou A. (2003) Effects of nicotine withdrawal on nicotine self-administration and acoustic startle responding in DBA/2J mice, *European Journal of Pharmacology* 472, 99-110.
54. Belozertseva I.V., Sukhotina I.A., Vossen J.M.H., Bepalov A.Y. (2004) Facilitation of aggressive and sexual behaviors by saccharin deprivation in rats, *Physiology and Behavior* 80, 531-539.
55. Blokhina E.A., Dravolina O.A., Bepalov A.Y., Balster R.L., Zvartau E.E. (2004) Intravenous self-administration of organic solvents and inhalants in drug- and experimentally naive mice, *European Journal of Pharmacology* 485, 211-218.
56. Medvedev I., Malyshkin A., Belozertseva I., Sukhotina I., Sevostianova N., Aliev K., Zvartau E., Parsons C.G., Danysz W., Bepalov A. (2004) Effects of low-affinity NMDA receptor channel blockers in two rat models of chronic pain, *Neuropharmacology* 47, 175-183.
57. Shekunova E.V., Bepalov A.Y. (2004) Estrous cycle stage-dependent expression of acute tolerance to morphine analgesia in rats, *European Journal of Pharmacology* 486, 259-264.
58. Sukhotina I.A., Zvartau E.E., Danysz W., Bepalov A.Y. (2004) Caffeine withdrawal syndrome in social interaction test in mice: Effects of NMDA receptor channel blockers, memantine and neramexane, *Behavioural Pharmacology* 15, 207-214.
59. Zakharova E., Malyshkin A., Kashkin V., Neznanova O., Sukhotina I., Danysz W., Bepalov A. (2004) NMDA receptor channel blocker memantine and opioid receptor antagonist naltrexone inhibit saccharin deprivation effect in rats, *Behavioural Pharmacology* 15, 273-278.
60. Sukhanov I.M., Zakharova E.S., Danysz W., Bepalov A.Y. (2004) Effects of NMDA receptor channel blockers, MK-801 and memantine, on locomotor activity and tolerance to delay of reward in Wistar-Kyoto and spontaneously hypertensive rats, *Behavioural Pharmacology* 15, 263-271.
61. Blokhina E.A., Kashkin V.A., Zvartau E.E., Danysz W., Bepalov A.Y. (2005) Effects of nicotinic antagonist mecamylamine and NMDA receptor antagonist memantine on intravenous cocaine and nicotine self-administration in mice, *European Neuropsychopharmacology* 15, 219-225.
62. Bepalov A.Y., Dravolina O.A., Sukhanov I., Zakharova E., Blokhina E., Zvartau E., Danysz W., van Heeke G., Markou A. (2005) Metabotropic glutamate receptor (mGluR5) antagonist MPEP attenuated cue- and schedule-induced reinstatement of nicotine self-administration behavior in rats. *Neuropharmacology* 49 (Suppl), 167-178.
63. Pietraszek M., Sukhanov I., Maciejak P., Szyndler J., Gravius A., Wislowska A., Plaznik A., Bepalov A.Y., Danysz W. (2005) Anxiolytic-like effects of mGlu1 and mGlu5 receptor antagonists in rats. *European Journal of Pharmacology* 514, 25-34.
64. Zakharova E.S., Danysz W., Bepalov A.Y. (2005) Drug discrimination analysis of NMDA receptor channel blockers as nicotinic receptor antagonists in rats. *Psychopharmacology (Berl)* 179, 128-35.
65. Malyshkin A.A., Medvedev I.O., Danysz W., Bepalov A.Y. (2005) Anti-allodynic interactions between NMDA receptor channel blockers and morphine or clonidine in neuropathic rats. *European Journal of Pharmacology* 519: 80-5.

66. Sevostianova N., Danysz W., Bepalov A.Y. (2005) Analgesic effects of morphine and loperamide in the rat formalin test: interactions with NMDA receptor antagonists. *European Journal of Pharmacology* 525: 83-90.
67. Kos T., Popik P., Pietraszek M., Schäfer D., Danysz W., Dravolina O., Blokhina E., Galankin T., Bepalov A.Y. (2006) Effect of 5-HT₃ receptor antagonist MDL 72222 on behaviors induced by ketamine in rats and mice. *European Neuropsychopharmacology* 16: 297-310.
68. Bepalov A.Y., Dravolina O.A., Belozertseva I.V., Adamcio B., Zvartau E.E. (2006) Lowered brain stimulation reward thresholds in rats treated with a combination of caffeine and NMDA but not AMPA or mGluR5 receptor antagonists, *Behavioural Pharmacology* 17: 295-302.
69. Sevostianova N., Danysz W., Bepalov A.Y. (in press) Effects of NMDA receptor antagonists on acute tolerance to morphine in formalin-induced nociception test in rats, *European Journal of Pharmacology*.
70. Shekunova E.V., Bepalov A.Y. (2006) Effects of memantine on estrogen-dependent acute tolerance to the morphine analgesia in female rats. *European Journal of Pharmacology* 535: 78-85.
71. Krupitsky EM, Zvartau EE, Masalov DV, Tsoy MV, Burakov AM, Egorova VY, Didenko TY, Romanova TN, Ivanova EB, Bepalov AY, Verbitskaya EV, Neznanov NG, Grinenko AY, O'Brien CP, and Woody GE (2006) Naltrexone with or without fluoxetine for preventing relapse to heroin addiction in St. Petersburg, Russia. *J Subst. Abuse Treat.* 31:319-328.
72. Belozertseva IV, Kos T, Popik P, Danysz W, and Bepalov AY (2007) Antidepressant-like effects of mGluR1 and mGluR5 antagonists in the rat forced swim and the mouse tail suspension tests. *Eur Neuropsychopharmacol.* 17:172-179.
73. Nagel J., Belozertseva I., Greco S., Kashkin V., Malyshkin A., Jirgensons A., Shekunova E., Eilbacher B., Bepalov A., Danysz W. (2006) Effects of NAAG peptidase inhibitor 2-PMPA in model chronic pain - relation to brain concentration. *Neuropharmacology* 51: 1163-1171.
74. Dravolina O.A., Danysz W., Bepalov A.Y. (2006) Effects of group I metabotropic glutamate receptor antagonists on the behavioral sensitization to motor effects of cocaine in rats. *Psychopharmacology (Berl)* 187: 397-404.
75. Dravolina OA, Zakharova ES, Shekunova EV, Zvartau EE, Danysz W, and Bepalov AY (2007) mGlu1 receptor blockade attenuates cue- and nicotine-induced reinstatement of extinguished nicotine self-administration behavior in rats. *Neuropharmacology* 52:263-269.
76. Krupitsky EM, Neznanova O, Masalov D, Burakov AM, Didenko T, Romanova T, Tsoy M, Bepalov A, Slavina TY, Grinenko AA, Petrakis IL, Pittman B, Gueorguieva R, Zvartau EE, and Krystal JH (2007) Effect of Memantine on Cue-Induced Alcohol Craving in Recovering Alcohol-Dependent Patients. *American Journal of Psychiatry* 164:519-523.
77. Bepalov A, Jongen-Relo AL, van Gaalen M, Harich S, Schoemaker H, and Gross G (2007) Habituation Deficits Induced by Metabotropic Glutamate Receptors 2/3 Receptor Blockade in Mice: Reversal by Antipsychotic Drugs. *Journal of Pharmacology and Experimental Therapeutics* 320:944-950.
78. Harich S, Gross G, Bepalov A (2007) Stimulation of the metabotropic glutamate 2/3 receptor attenuates social novelty discrimination deficits induced by neonatal phencyclidine treatment. *Psychopharmacology (Berl)* 192: 511-519.
79. Bepalov AY, Harich S, Jongen-Relo AL, van Gaalen MM, Gross G. (2007) AMPA receptor antagonists reverse effects of extended habit training on signaled food approach responding in rats. *Psychopharmacology (Berl)* 195:11-18.
80. Sukhotina IA, Dravolina OA, Novitskaya Y, Zvartau EE, Danysz W, Bepalov AY (2008) Effects of mGlu1 receptor blockade on working memory, time estimation and impulsivity in rats. *Psychopharmacology (Berl)* 196: 211-220.

81. Bespalov AY, van Gaalen MM, Sukhotina IA, Wicke K, Mezler M, Schoemaker H, Gross G (2008) Behavioral characterization of the mGluR2/3 antagonist, LY-341495, in animal models of anxiety and depression. *European Journal of Pharmacology* 592: 96-102.
82. Marek GJ, Behl B, Bespalov AY, Gross G, Lee Y, and Schoemaker H (2010) Glutamatergic (N-Methyl-d-aspartate Receptor) Hypofrontality in Schizophrenia: Too Little Juice or a Miswired Brain? *Molecular Pharmacology* 77:317-326.
83. Nikiforuk A, Kos T, Rafa D, Behl B, Bespalov A, Popik P (2011) Blockade of glycine transporter 1 by SSR-504734 promotes cognitive flexibility in glycine/NMDA receptor-dependent manner. *Neuropharmacology* 61: 262-267.
84. Nikiforuk A, Popik P, Drescher KU, van Gaalen M, Relo AL, Mezler M, Marek G, Schoemaker H, Gross G, Bespalov A (2010) Effects of a Positive Allosteric Modulator of Group II Metabotropic Glutamate Receptors, LY487379, on Cognitive Flexibility and Impulsive-Like Responding in Rats. *Journal of Pharmacology and Experimental Therapeutics* 335: 665-673.
85. Banasikowski TJ, Bespalov A, Drescher K, Behl B, Unger L, Haupt A, Schoemaker H, Sullivan JP, Gross G, Beninger RJ (2010) Double Dissociation of the Effects of Haloperidol and the Dopamine D3 Receptor Antagonist ABT-127 on Acquisition vs. Expression of Cocaine-Conditioned Activity in Rats. *Journal of Pharmacology and Experimental Therapeutics* 335: 506-515.
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Books and book chapters

1. Bespalov AY, Zvartau EE (2000) Neuropsychopharmacology of NMDA receptor antagonists. *Nevsky Dialekt*, St. Petersburg, pp. 1-272.
2. Bespalov AY, Trujillo KA (2002) Inhibition of drug tolerance by glutamate receptor antagonists: translating experimental evidence into theoretical and clinical significance. In: *Therapeutic potential of ionotropic glutamate receptor antagonists and modulators* (Eds.: Lodge D, Danysz W, Parsons CG). F.P. Graham Publishing Co., Johnson City, TN, pp. 301-334.
3. Bespalov AY, Balster RL (2005) Glutamatergic mechanisms of drug relapse: Withdrawal and conditioning factors. In: *Dopamine and glutamate in psychiatric disorders* (Eds.: Schmidt WJ, Reith MEA). The Humana Press.
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