Можаева Галина Николаевна

(10 марта 1929 г. - 25 июня 2015 г.)

Цитолог, биофизик, член-корреспондент РАН (1994 г. - физиология человека и животных). Доктор биологических наук, профессор, Советник РАН. Государственная премия СССР (1985). Член Европейской академии (с 1993 г.). В 1983—2005 гг. — заведующая лабораторией ионных каналов клеточных мембран Института цитологии РАН.

Область научных интересов - исследование ионных каналов клеточных мембран и их роли в передаче сигналов от поверхности клетки к внутриклеточным структурам.

Список основных публикаций:

1. **SHALYGIN, A; SKOPIN, A; KALININA, V; ZIMINA, O; GLUSHANKOVA, L; MOZHAYEVA, GN; KAZNACHEYEVA, E.**
   STIM1 AND STIM2 PROTEINS DIFFERENTLY REGULATE ENDOGENOUS STORE-OPERATED CHANNELS IN HEK293 CELLS
   JOURNAL OF BIOLOGICAL CHEMISTRY 290(8), 4717-4727 (2015)
2. **SHALYGIN, A; ZIMINA, O; KAMALETDINOVA, V; SKOPIN, A; GLUSHANKOVA, L; MOZHAYEVA, GN; KAZNACHEYEVA, E.**
   STIM1 AND STIM2 PROTEINS REGULATION OF ENDOGENOUS STORE-OPERATED CALCIUM CHANNELS IN HEK293 CELLS
   BIOPHYSICAL JOURNAL 108(2), 565A-566A (2015)
3. **VIGONT, VA; ZIMINA, OA; GLUSHANKOVA, LN; KOLOBKOVA, JA; RYAZANTSEVA, MA; MOZHAYEVA, GN; KAZNACHEYEVA, EV.**
   STIM1 PROTEIN ACTIVATES STORE-OPERATED CALCIUM CHANNELS IN CELLULAR MODEL OF HUNTINGTON'S DISEASE
   ACTA NATURAE 6(4), 40-47 (2014)
4. **SHALYGIN, A; KAMALETDINOVA, V; SKOPIN, A; ZIMINA, O; GLUSHANKOVA, L; MOZHAYEVA, GN; KAZNACHEYEVA, E.**
   DIFFERENT REGULATION OF STORE-OPERATED CALCIUM CHANNELS BY CALCIUM SENSORS STIM1 AND STIM2 PROTEINS
   FEBS JOURNAL 281, 194-194 (2014)
5. **RYAZANTSEVA, M. A.; MOZHAEVA, G. N.; KAZNACHEEVA, E. V.; UGRUMOV, M. V..**
   THE PATHOGENESIS OF ALZHEIMER'S DISEASE AND POTASSIUM HOMEOSTASIS
   NEURODEGENERATIVE DISEASES: FROM GENOME TO THE WHOLE ORGANISM 2, 163 (2014)

6. **SHALYGIN, A; KAMALETDINOVA, V; SKOPIN, A; GLUSHANKOVA, L; MOZHAYEVA, GN; KAZNACHEYEVA, E.**
ELECTROPHYSIOLOGICAL PROPERTIES OF NATIVE STORE-OPERATED CHANNELS REGULATED BY STIM2 CALCIUM SENSORS
FEBS JOURNAL 280, 188-188 (2013)
7. **KAMALETDINOVA, V; GLUSHANKOVA, L; MOZHAYEVA, GN; KAZNACHEYEVA, E; SHALYGIN, A.**
SINGLE CHANNEL RECORDINGS OF STIM2-OPERATED (IMIN) CALCIUM CHANNELS IN HEK293 CELLS
FEBS JOURNAL 280, 192-192 (2013)
8. **VIGONT, V; ZIMINA, O; GLUSHANKOVA, L; SUSLOVA, J; MOZHAYEVA, GN; KAZNACHEYEVA, E.**
STORE-OPERATED CALCIUM CURRENT IN NEURONAL MODEL OF HUNTINGTON'S DISEASE
FEBS JOURNAL 280, 416-417 (2013)
9. **SKOPIN, A; SHALYGIN, A; VIGONT, V; ZIMINA, O; GLUSHANKOVA, L; MOZHAYEVA, GN; KAZNACHEYEVA, E.**
TRPC1 PROTEIN FORMS ONLY ONE TYPE OF NATIVE STORE-OPERATED CHANNELS IN HEK293 CELLS
BIOCHIMIE 95(2), 347-353 (2013)
10. **RYAZANTSEVA, M A; MOZHAYEVA, G N; KAZNACHEYEVA, E V.**
THE UNCOUPLING OF SYNAPTIC PROTEIN HOMER 1C FROM TARGET PROTEINS ACTIVATES STORE-OPERATED CALCIUM ENTRY IN A NEUROTRANSMITTER-LIKE MANNER IN HUMAN NEUROBLASTOMA CELLS.
DOKLADY BIOLOGICAL SCIENCES : PROCEEDINGS OF THE ACADEMY OF SCIENCES OF THE USSR, BIOLOGICAL SCIENCES SECTIONS 450, - (2013)
11. **VIGONT, VA; ZIMINA, OA; GLUSHANKOVA, LN; BEZPROZVANNY, IB; MOZHAYEVA, GN; KAZNACHEYEVA, EV.**
STORE-OPERATED CALCIUM ENTRY INTO SK-N-SH HUMAN NEUROBLASTOMA CELLS MODELING HUNTINGTON'S DISEASE
BIOLOGICHESKIE MEMBRANY 29(1-2), 123-132 (2012)
12. **RIAZANTSEVA, M A; MOZHAEVA, G N; KAZNACHEEVA, E V.**
[CALCIUM HYPOTHESIS OF ALZHEIMER DISEASE].
USPEKHI FIZIOLOGICHESKIKH NAUK 43(4), - (2012)
13. **WU, J; SHIH, HP; VIGONT, V; HRDLICKA, L; DIGGINS, L; SINGH, C; MAHONEY, M; CHESWORTH, R; SHAPIRO, G; ZIMINA, O; CHEN, XS; WU, QQ; GLUSHANKOVA, L; AHLIJANIAN, M; KOENIG, G; MOZHAYEVA, GN; KAZNACHEYEVA, E; BEZPROZVANNY, I.**
NEURONAL STORE-OPERATED CALCIUM ENTRY PATHWAY AS A NOVEL THERAPEUTIC TARGET FOR HUNTINGTON'S DISEASE TREATMENT
CHEMISTRY & BIOLOGY 18(6), 777-793 (2011)
14. **SHALYGIN, AV; RYAZANTSEVA, MA; GLUSHANKOVA, LN; BEZPROZVANNY, IB; MOZHAYEVA, GN; KAZNACHEYEVA, EV.**
REGULATION OF STORE-OPERATED CALCIUM ENTRY BY HOMER PROTEINS IS NOT UNIVERSAL
FEBS JOURNAL 278, 364-365 (2011)
15. **KAZNACHEYEVA, E; VIGONT, V; ZIMINA, O; GLUSHANKOVA, L; WU, J; SHIH, HP; MOZHAYEVA, GN; BEZPROZVANNY, I.**
STORE-OPERATED CALCIUM ENTRY PATHWAY AS A POTENTIAL THERAPEUTIC TARGET FOR NEURODEGENERATIVE DISORDERS
FEBS JOURNAL 278, 265-266 (2011)
16. **SHALYGIN, A V; RYAZANTSEVA, M A; GLUSHANKOVA, L N; BEZPROZVANNY, I B; MOZHAYEVA, G N; KAZNACHEYEVA, E V.**
DELAY IN I(MIN) CHANNEL ACTIVATION INDUCED BY DISSOCIATION OF HOMER PROTEINS IN A431 CELLS.

DOKLADY BIOLOGICAL SCIENCES : PROCEEDINGS OF THE ACADEMY OF SCIENCES OF THE USSR, BIOLOGICAL SCIENCES SECTIONS 438, - (2011)

17. **SHALYGIN, A; RYAZANTSEVA, M; GLUSHANKOVA, L; MOZHAYEVA, GN; BEZPROZVANNY, I; KAZNACHEYEVA, E.**
HOMER REGULATION OF NATIVE PLASMA MEMBRANE CALCIUM CHANNELS IN A431 CELLS
CELL CALCIUM 48(4), 209-214 (2010)
18. **SHALYGIN, AV; RYAZANTSEVA, MA; GLUSHANKOVA, LN; BEZPROZVANNY, IB; MOZHAYEVA, GN; KAZNACHEYEVA, EV.**
REGULATION OF STORE-OPERATED CHANNELS BY SCAFFOLD PROTEINS IN A431 CELLS
ACTA NATURAE 2(3), 94-100 (2010)
19. **ZIMINA, OA; VIGONT, VA; POZDNJAKOV, IA; GLUSHANKOVA, LN; L'VOVSKAJA, SV; SKOPIN, AY; MOZHAYEVA, GN; KAZNACHEEVA, EV.**
ROLE OF STIM1 IN THE RECEPTOR- AND STORE-OPERATED CALCIUM INFLUX IN HEK293 CELLS
BIOLOGICHESKIE MEMBRANY 27(3), 237-243 (2010)
20. **GLUSHANKOVA, L N; ZIMINA, O A; VIGONT, V A; MOZHAEVA, G N; BEZPROZVANNY, I B; KAZNACHEEVA, E V.**
CHANGES IN THE STORE-DEPENDENT CALCIUM INFLUX IN A CELLULAR MODEL OF HUNTINGTON'S DISEASE.
DOKLADY BIOLOGICAL SCIENCES : PROCEEDINGS OF THE ACADEMY OF SCIENCES OF THE USSR, BIOLOGICAL SCIENCES SECTIONS 433, - (2010)
21. **ZIMINA, O. A.; VIGONT, V. A.; POZDNJAKOV, I. A.; GLUSHANKOVA, L. N.; L'VOVSKAJA, S. V.; SKOPIN, A. YU.; MOZHAYEVA, G. N.; KAZNACHEEVA, E. V..**
THE ROLE OF STIM1 IN THE RECEPTOR- AND STORE-OPERATED CALCIUM INFLUX IN HEK293 CELLS
BIOCHEMISTRY MOSCOW SUPPLEMENT SERIES A-MEMBRANE AND CELL BIOLOGY 4(2), 200 (2010)
22. **GLUSHANKOVA, L; KAZNACHEYEVA, E; ALEXEENKO, V; ZIMINA, O; SKOPIN, A; BEZPROZVANNY, I; MOZHAYEVA, G.**
THE ROLE OF TRPC3 PROTEIN IN RECEPTOR- AND STORE-OPERATED CALCIUM ENTRY IN A431 CELLS
JOURNAL OF GENERAL PHYSIOLOGY 132(1), 25A-26A (2008)
23. **ZIMINA, O. A.; GLUSHANKOVA, L. N.; ALEKSEENKO, V. A.; VIGONT, V. A.; MOZHAYEVA, G. N.; KAZNACHEEVA, E. V.; SKOPIN, A. YU.**
ROLE OF STIM1 IN CALCIUM INPUT REGULATION IN HUMAN EPIDERMOID CARCINOMA A431 CELLS
DOKL. RAN 420(2), 1 (2008)
24. **KAZNACHEYEVA, E; GLUSHANKOVA, L; BUGAJ, V; ZIMINA, O; SKOPIN, A; ALEXEENKO, V; TSIOKAS, L; BEZPROZVANNY, I; MOZHAYEVA, GN.**
SUPPRESSION OF TRPC3 LEADS TO DISAPPEARANCE OF STORE-OPERATED CHANNELS AND FORMATION OF A NEW TYPE OF STORE-INDEPENDENT CHANNELS IN A431 CELLS
JOURNAL OF BIOLOGICAL CHEMISTRY 282(32), 23655-23662 (2007)
25. **KAZNACHEYEVA, EV; GLUSHANKOVA, LN; BUGAJ, VV; ZIMINA, OA; SKOPIN, AY; ALEXEENKO, VA; BEZPROZVANNY, IB; MOZHAYEVA, GN.**
ROLE OF TRPC3 IN THE FORMATION OF RECEPTOR- AND STORE-OPERATED CALCIUM CHANNELS IN A431 CARCINOMA CELLS
BIOLOGICHESKIE MEMBRANY 24(1), 87-96 (2007)
26. **BUGAJ, V; ALEXEENKO, V; ZUBOV, A; GLUSHANKOVA, L; NIKOLAEV, A; WANG, ZN; KAZNACHEYEVA, E; BEZPROZVANNY, I; MOZHAYEVA, GN.**
FUNCTIONAL PROPERTIES OF ENDOGENOUS RECEPTOR- AND STORE-OPERATED CALCIUM INFLUX CHANNELS IN HEK293 CELLS
JOURNAL OF BIOLOGICAL CHEMISTRY 280(17), 16790-16797 (2005)

27. **GUSEV, K O; ZUBOV, A N; KAZNACHEEVA, E V; MOZHAEVA, G N.**
[TWO TYPES OF STORE-OPERATED CHANNELS IN A431 CELLS].
TSITOLOGIIA 46(1), - (2004)
28. **GUSEV, K; GLOUCHANKOVA, L; ZUBOV, A; KAZNACHEYEVA, E; WANG, ZN; BEZPROZVANNY, I; MOZHAYEVA, GN.**
THE STORE-OPERATED CALCIUM ENTRY PATHWAYS IN HUMAN CARCINOMA A431 CELLS: FUNCTIONAL PROPERTIES AND ACTIVATION MECHANISMS
JOURNAL OF GENERAL PHYSIOLOGY 122(1), 81-94 (2003)
29. **KAMACHEYEVA, EV; ZUBOV, AN; NIKOLAEV, AV; ALEXEENKO, VA; GUSEV, KO; BEZPROZVANNY, IB; MOZHAYEVA, GN.**
PHOSPHATIDYLINOSITOL-4,5-BISPHOSPHATE MODULATES ACTIVITY OF RECEPTOR-INDUCED CALCIUM ENTRY CHANNELS IN A431 CELLS
BIOLOGICHESKIE MEMBRANY 19(1), 23-31 (2002)
30. **KAZNACHEYEVA, E; ZUBOV, A; GUSEV, K; BEZPROZVANNY, I; MOZHAYEVA, GN.**
ACTIVATION OF CALCIUM ENTRY IN HUMAN CARCINOMA A431 CELLS BY STORE DEPLETION AND PHOSPHOLIPASE C-DEPENDENT MECHANISMS CONVERGE ON I-CRAC-LIKE CALCIUM CHANNELS
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 98(1), 148-153 (2001)
31. **KAZNACHEYEVA, E; ZUBOV, A; GUSEV, K; BEZPROZVANNY, I; MOZHAYEVA, G.**
ACTIVATION OF IMIN/ICRAC-LIKE CHANNELS IN HUMAN CARCINOMA A431 CELLS BY STORE-OPERATED AND PHOSPHOLIPASE C DEPENDENT MECHANISMS.
BIOPHYSICAL JOURNAL 80(1), 618A-618A (2001)
32. **GUSEV, KO; KAZNACHEYEVA, EV; ZUBOV, AN; MOZHAYEVA, GN.**
REGULATION OF THE CALCIUM-CHANNEL I-MIN/I-CRAC ACTIVITY IN HUMAN EPIDERMAL CARCINOMA A431 CELLS
NEUROPHYSIOLOGY 32(3), 149-149 (2000)
33. **KAZNACHEYEVA, E; ZUBOV, A; NIKOLAEV, A; ALEXEENKO, V; BEZPROZVANNY, I; MOZHAYEVA, GN.**
PLASMA MEMBRANE CALCIUM CHANNELS IN HUMAN CARCINOMA A431 CELLS ARE FUNCTIONALLY COUPLED TO INOSITOL 1,4,5-TRISPHOSPHATE RECEPTOR-PHOSPHATIDYLINOSITOL 4,5-BISPHOSPHATE COMPLEXES
JOURNAL OF BIOLOGICAL CHEMISTRY 275(7), 4561-4564 (2000)
34. **ZUBOV, AI; KAZNACHEEVA, EV; NIKOLAEV, AV; ALEXEENKO, VA; KISELYOV, K; MUALLEM, S; MOZHAYEVA, GN.**
REGULATION OF THE MINIATURE PLASMA MEMBRANE CA2+ CHANNEL I-MIN BY INOSITOL 1,4,5-TRISPHOSPHATE RECEPTORS
JOURNAL OF BIOLOGICAL CHEMISTRY 274(37), 25983-25985 (1999)
35. **KISELYOV, K; MIGNERY, GA; ZHU, MX; MUALLEM, S.**
THE N-TERMINAL DOMAIN OF THE IP3 RECEPTOR GATES STORE-OPERATED HTRP3 CHANNELS
MOLECULAR CELL 4(3), 423-429 (1999)
36. **KISELYOV, KI; SEMYONOVA, SB; MAMIN, AG; MOZHAYEVA, GN.**
MINIATURE CA2+ CHANNELS IN EXCISED PLASMA-MEMBRANE PATCHES: ACTIVATION BY IP3
PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY 437(2), 305-314 (1999)
37. **SEMENOVA, S B; KISELEV, K I; MOZHAEVA, G N.**
LOW-CONDUCTIVITY CALCIUM CHANNELS IN THE MACROPHAGE PLASMA MEMBRANE: ACTIVATION BY INOSITOL-1,4,5-TRIPHOSPHATE.
NEUROSCIENCE AND BEHAVIORAL PHYSIOLOGY 29(3), - (1999)
38. **KISELYOV, K; XU, X; MOZHAYEVA, G; KUO, T; PESSAH, I; MIGNERY, G; ZHU, X; BIRNBAUMER, L; MUALLEM, S.**

FUNCTIONAL INTERACTION BETWEEN INSP(3) RECEPTORS AND STORE-OPERATED HTRP3 CHANNELS
NATURE 396(6710), 478-482 (1998)

39. **KISELYOV, K; XU, X; KUO, T; PESSAH, I; MOZHAYEVA, G; ZHU, X; BIRNBAUMER, L; MUALLEM, S.**
FUNCTIONAL INTERACTION BETWEEN HTRP3 AND IP3 RECEPTOR
JOURNAL OF GENERAL PHYSIOLOGY 112(1), 34A-34A (1998)
40. **SEMENOVA, S B; KISELEV, K I; MOZHAEVA, G N.**
[LOW CONDUCTIVITY CALCIUM CHANNELS IN THE PLASMATIC MEMBRANE OF MACROPHAGES: ACTIVATION WITH INOSITOL 1,4,5-TRIPHOSPHATE].
ROSSIISKII FIZIOLOGICHESKII ZHURNAL IMENI I.M. SECHENOVA 84(5-6), - (1998)
41. **KISELYOV, KI; MAMIN, AG; SEMYONOVA, SB; MOZHAYEVA, GN.**
LOW-CONDUCTANCE HIGH SELECTIVE INOSITOL (1,4,5)-TRIPHOSPHATE ACTIVATED CA2+ CHANNELS IN PLASMA MEMBRANE OF A431 CARCINOMA CELLS
FEBS LETTERS 407(3), 309-312 (1997)
42. **KISELYOV, KI; MANIN, AG; SEMYONOVA, SB; MOZHAYEVA, GN.**
IP3-ACTIVATED CA2+-SELECTIVE CHANNELS FROM PLASMA MEMBRANE OF HUMAN CARCINOMA A431
BIOPHYSICAL JOURNAL 72(2), WP269-WP269 (1997)
43. **KISELEV, K I; MAMIN, A G; SEMENOVA, S B; MOZHAEVA, G N.**
[A NEW TYPE OF IP3-SENSITIVE HIGHLY SELECTIVE CALCIUM CHANNELS OF LOW CONDUCTANCE IN THE PLASMA MEMBRANE OF CARCINOMA A 431 CELLS].
TSITOLOGIIA 39(6), - (1997)
44. **KAZNACHEYEVA, EV; KISELYOV, KI; MAMIN, AG; MOZHAYEVA, GN.**
CA2+-MOBILIZING AGONISTS ACTIVATE CA2+-SELECTIVE CHANNELS IN PLASMA MEMBRANE OF A431 EPIDERMAL CARCINOMA CELLS
JOURNAL OF PHYSIOLOGY-LONDON 497P, P120-P120 (1996)
45. **KISELYOV, KI; MAMIN, AG; MOZHAYEVA, GN.**
IP3-ACTIVATED CA2+-SELECTIVE CHANNELS IN PLASMA MEMBRANE OF A431 CELLS AND MOUSE MACROPHAGES
JOURNAL OF PHYSIOLOGY-LONDON 497P, P129-P129 (1996)
46. **MOZHAYEVA, MG; MOZHAYEVA, GN.**
EVIDENCE FOR THE EXISTENCE OF INOSITOL (1,4,5)-TRISPHOSPHATE- AND RYANODINE-SENSITIVE POOLS IN BOVINE ENDOTHELIAL CELLS. CA2+ RELEASES IN CELLS WITH DIFFERENT BASAL LEVEL OF INTRACELLULAR CA2+
PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY 432(4), 614-622 (1996)
47. **MAMIN, AG; KISELYOV, KI; MOZHAYEVA, GN.**
EFFECT OF INTRACELLULAR CALCIUM ON ATP-ACTIVATED, GTP-DEPENDENT CALCIUM CHANNELS IN RAT MACROPHAGES
JOURNAL OF PHYSIOLOGY-LONDON 491(3), 697-705 (1996)
48. **KAZNACHEYEVA, EV; MAMIN, AG; KISELYOV, KI; MOZHAYEVA, GN; NAUMOV, AP.**
A NEW TYPE OF ATP-ACTIVATED CALCIUM CHANNELS IN RAT MACROPHAGE PLASMA MEMBRANES
BIOLOGICHESKIE MEMBRANY 13(2), 162-177 (1996)
49. **MOZHAYEVA, MG; MOZHAYEVA, GN.**
THE INVOLVEMENT OF TWO CA2+-INTRACELLULAR POOLS IN SPONTANEOUS AND ATP-EVOKED CA2+ RELEASES IN BOVINE AORTIC ENDOTHELIAL CELLS.
BIOPHYSICAL JOURNAL 70(2), WP162-WP162 (1996)
50. **NAUMOV, AP; KAZNACHEYEVA, EV; KURYSHEV, YA; MOZHAYEVA, GN.**
SELECTIVITY OF ATP-ACTIVATED GTP-DEPENDENT CA2+-PERMEABLE

CHANNELS IN RAT MACROPHAGE PLASMA-MEMBRANE
JOURNAL OF MEMBRANE BIOLOGY 148(1), 91-98 (1995)

51. **NAUMOV, AP; KAZNACHEYEVA, EV; KISELYOV, KI; KURYSHEV, YA; MAMIN, AG; MOZHAYEVA, GN.**
ATP-ACTIVATED INWARD CURRENT AND CALCIUM-PERMEABLE CHANNELS IN RAT MACROPHAGE PLASMA-MEMBRANES
JOURNAL OF PHYSIOLOGY-LONDON 486(2), 323-337 (1995)

52. **NAUMOV, AP; KISELYOV, KI; MAMIN, AG; KAZNACHEYEVA, EV; KURYSHEV, YA; MOZHAYEVA, GN.**
ATP-OPERATED CALCIUM-PERMEABLE CHANNELS ACTIVATED VIA A GUANINE NUCLEOTIDE-DEPENDENT MECHANISM IN RAT MACROPHAGES
JOURNAL OF PHYSIOLOGY-LONDON 486(2), 339-347 (1995)

53. **MAMIN, A. G.; KISELYOV, K. I.; MOZHAYEVA, G. N..**
ATP-ACTIVATED GTP-DEPENDENT CALCIUM-PERMEABLE CHANNELS IN MACROPHAGES. EFFECT OF INTRACELLULAR CALCIUM ON CURRENT SUBLEVELS
BIOPHYSICAL JOURNAL 68(2 PART 2), A210 (1995)

54. **KROLENKO, S A; MOZHAEVA, G N.**
[HIS GRADUATE STUDENTS REMEMBER D. N. NASONOV].
TSITOLOGIIA 37(12), - (1995)

55. **NEGULYAEV, YA; VEDERNIKOVA, EA; MOZHAYEVA, GN.**
SEVERAL TYPES OF SODIUM-CONDUCTING CHANNEL IN HUMAN CARCINOMA A-431 CELLS
BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1194(1), 171-175 (1994)

56. **KURYSHEV, YA; NAUMOV, AP; AVDONIN, PV; MOZHAYEVA, GN.**
EVIDENCE FOR INVOLVEMENT OF A GTP-BINDING PROTEIN IN ACTIVATION OF CA2+ INFLUX BY EPIDERMAL GROWTH-FACTOR IN A431 CELLS - EFFECTS OF FLUORIDE AND BACTERIAL TOXINS
CELLULAR SIGNALLING 5(5), 555-564 (1993)

57. **NAUMOV, AP; KURYSHEV, YA; MOZHAYEVA, GN.**
MULTIPLE CONDUCTANCE LEVELS OF CALCIUM-PERMEABLE CHANNELS ACTIVATED BY EPIDERMAL GROWTH-FACTOR IN A431 CARCINOMA-CELLS
BIOCHIMICA ET BIOPHYSICA ACTA 1145(2), 273-278 (1993)

58. **NAUMOV, AP; KURYSHEV, YA; KAZNACHEEVA, EV; MOZHAYEVA, GN.**
CA-PERMEABLE CHANNELS IN THE PLASMA-MEMBRANE OF RAT MACROPHAGES
BIOPHYSICAL JOURNAL 64(2), A7-A7 (1993)

59. **NAUMOV, AP; KURYSHEV, YA; KAZNACHEYEVA, EV; MOZHAYEVA, GN.**
ATP-ACTIVATED CA2+-PERMEABLE CHANNELS IN RAT PERITONEAL-MACROPHAGES
FEBS LETTERS 313(3), 285-287 (1992)

60. **MOZHAYEVA, GN; NAUMOV, AP; KURYSHEV, YA.**
VARIETY OF CA2+-PERMEABLE CHANNELS IN HUMAN CARCINOMA A431-CELLS
JOURNAL OF MEMBRANE BIOLOGY 124(2), 113-126 (1991)

61. **MOZHAYEVA, GN; NAUMOV, AP; KURYSHEV, YA.**
ASSEMBLY OF CALCIUM-PERMEABLE CHANNELS AND MECHANISMS OF THEIR ACTIVATION IN HUMAN CARCINOMA-CELLS
BIOLOGICHESKIE MEMBRANY 8(11), 1131-1132 (1991)

62. **MOZHAYEVA, GN; NAUMOV, AP; KURYSHEV, YA.**
INOSITOL 1,4,5-TRISPHOSPHATE ACTIVATES 2 TYPES OF CA-2+-PERMEABLE CHANNELS IN HUMAN CARCINOMA-CELLS
FEBS LETTERS 277(1-2), 233-234 (1990)

63. **MOZHAYEVA, GN; NAUMOV, AP; KURYSHEV, YA.**
CALCIUM-PERMEABLE CHANNELS ACTIVATED VIA GUANINE NUCLEOTIDE-

DEPENDENT MECHANISM IN HUMAN CARCINOMA-CELLS
FEBS LETTERS 277(1-2), 227-229 (1990)

64. **MOZHAYEVA, GN; NAUMOV, AP; KURYSHEV, YA; NOSYREVA, ED.**
SOME PROPERTIES OF SODIUM-CHANNELS IN NEUROBLASTOMA-CELLS MODIFIED WITH SCORPION TOXIN AND CHLORAMINE-T - SINGLE CHANNEL MEASUREMENTS
GENERAL PHYSIOLOGY AND BIOPHYSICS 9(1), 3-18 (1990)

65. **MOZHAYEVA, GN; NAUMOV, AP; KURYSHEV, YA.**
ACTIVATION OF CA-2+ PERMEABLE CHANNELS IN A-431 EPIDERMOID CELLS WITH EPIDERMAL GROWTH-FACTOR
TSITOLOGIYA 31(9), 1064-1072 (1989)

66. **MOZHAYEVA, GN; NAUMOV, AP; KURYSHEV, YA.**
ACTIVATION OF CA-2+-SENSITIVE POTASSIUM CHANNELS IN A 431 CELLS BY EPIDERMAL GROWTH-FACTOR AND HISTAMINE
BIOLOGICHESKIE MEMBRANY 6(6), 629-636 (1989)

67. **MOZHAYEVA, GN; NAUMOV, AP; KURYSHEV, YA.**
EPIDERMAL GROWTH-FACTOR ACTIVATES CALCIUM-PERMEABLE CHANNELS IN A431-CELLS
BIOCHIMICA ET BIOPHYSICA ACTA 1011(2-3), 171-175 (1989)

68. **MOZHAYEVA, GN; NAUMOV, AP; KURYSHEV, YA.**
CA-2+-SENSITIVE POTASSIUM CHANNELS IN THE EPIDERMOID CARCINOMA A-431 CELLS
BIOLOGICHESKIE MEMBRANY 6(5), 541-550 (1989)

69. **MOZHAYEVA, GN; NAUMOV, AP; NOSYREVA, ED; KURYSHEV, YA.**
POTASSIUM CHANNELS IN THE MEMBRANE OF NEURO-BLASTOMA
BIOLOGICHESKIE MEMBRANY 5(10), 1108-1114 (1988)

70. **MOZHAEVA, GN; NAUMOV, AP; NOSYREVA, ED.**
EFFECTS OF GLUTARALDEHYDE ON SODIUM-CHANNEL ACTIVATION AND INACTIVATION IN FROG NERVE-FIBER
NEUROPHYSIOLOGY 18(5), 403-409 (1986)

71. **MOZHAYEVA, GN; NAUMOV, AP; KHODOROV, BI.**
A STUDY OF PROPERTIES OF BATRACHOTOXIN MODIFIED SODIUM-CHANNELS
GENERAL PHYSIOLOGY AND BIOPHYSICS 5(1), 17-46 (1986)

72. **MOZHAYEVA, GN; NAUMOV, AP; NOSYREVA, ED.**
MODIFICATION OF NA CHANNELS BY SYNTHETIC DIHYDROBATRACHOTOXININ A-20-ALPHA-BENZOATE
GENERAL PHYSIOLOGY AND BIOPHYSICS 5(2), 153-158 (1986)

73. **MOZHAYEVA, GN; NAUMOV, AP; NOSYREVA, ED.**
VOLTAGE DEPENDENT MODIFICATION OF SODIUM-CHANNEL GATING WITH WATER-SOLUBLE CARBODIIMIDE
PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY 406(1), 31-36 (1986)

74. **MOZHAEVA, G N; NAUMOV, A P; NOSYREVA, E D.**
[EFFECT OF GLUTARALDEHYDE ON THE ACTIVATION AND INACTIVATION OF SODIUM CHANNELS IN FROG NERVE FIBERS].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 18(5), - (1986)

75. **MOZHAYEVA, GN; NAUMOV, AP; NOSYREVA, ED.**
POTENTIAL-DEPENDENT CALCIUM BLOCKAGE OF NORMAL AND ACONITINE-MODIFIED SODIUM-CHANNELS IN FROG NODE OF RANVIER
GENERAL PHYSIOLOGY AND BIOPHYSICS 4(4), 425-427 (1985)

76. **MOZHAEVA, GN; NAUMOV, AP; KHODOROV, BI.**
ACTIVATION AND INACTIVATION OF BATRACHOTOXIN-MODIFIED SODIUM-CHANNELS IN THE FROG NERVE-FIBER MEMBRANE
NEUROPHYSIOLOGY 16(1), 14-21 (1984)

77. **MOZHAEVA, GN; NAUMOV, AP; NOSYREVA, ED.**
EFFECT OF WATER-SOLUBLE CARBODIIMIDE ON SODIUM-CHANNELS IN

NERVE-FIBERS
BIOLOGICHESKIE MEMBRANY 1(2), 153-169 (1984)

78. **MOZHAYEVA, GN; NAUMOV, AP; NOSYREVA, ED.**
A STUDY ON THE POTENTIAL-DEPENDENCE OF PROTON BLOCK OF SODIUM-CHANNELS
BIOCHIMICA ET BIOPHYSICA ACTA 775(3), 435-440 (1984)

79. **MOZHAYEVA, GN; NAUMOV, AP; NOSYREVA, ED.**
EFFECT OF WATER-SOLUBLE CARBODIIMIDE ON GATING IN SODIUM-CHANNELS
BIOCHIMICA ET BIOPHYSICA ACTA 774(2), 288-292 (1984)

80. **MOZHAEVA, GN; NAUMOV, AP; NOSYREVA, ED.**
POTENTIAL-DEPENDENT INTERACTION OF CHEMICAL REAGENTS WITH THE GATING MECHANISM OF THE NERVE-FIBER SODIUM-CHANNEL
NEUROPHYSIOLOGY 16(5), 431-442 (1984)

81. **MOZHAEVA, G N; NAUMOV, A P; KHODOROV, B I.**
[ACTIVATION AND INACTIVATION OF BATRACHOTOXIN-MODIFIED SODIUM CHANNELS OF NERVE FIBER MEMBRANES IN THE FROG].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 16(1), - (1984)

82. **MOZHAEVA, G N; NAUMOV, A P; NOSYREVA, E D.**
[POTENTIAL-DEPENDENT INTERACTION OF CHEMICAL REAGENTS WITH THE SODIUM CHANNEL GATING MECHANISM IN A NERVE FIBER].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 16(5), - (1984)

83. **MOZHAEVA, GN; NAUMOV, AP; KHODOROV, BI.**
POTENTIAL-DEPENDENT CHANGES IN IONIC SELECTIVITY OF BATRACHOTOXIN-MODIFIED SODIUM-CHANNELS OF FROG NERVE-FIBER
NEUROPHYSIOLOGY 15(5), 349-357 (1983)

84. **MOZHAEVA, GN; NAUMOV, AP; KHODOROV, BI.**
SELECTIVITY AND SENSITIVITY TO HYDROGEN-ION BLOCKING OF BATRACHOTOXIN-MODIFIED SODIUM-CHANNELS IN NERVE-FIBER MEMBRANE
NEUROPHYSIOLOGY 15(6), 416-423 (1983)

85. **MOZHAEVA, GN; NAUMOV, AP; KHODOROV, BI.**
IONIC CURRENT THROUGH BATRACHOTOXIN-MODIFIED SODIUM-CHANNELS OF THE RANVIER NODE MEMBRANE AT HIGH POSITIVE AND NEGATIVE POTENTIALS
NEUROPHYSIOLOGY 15(5), 357-363 (1983)

86. **BRESLER, VM; MOZHAYEVA, GN; NIKIFOROV, AA.**
THE ROLE OF CL- IN ORGANIC-ACID ACTIVE-TRANSPORT IN RENAL PROXIMAL TUBULES OF RAT
GENERAL PHYSIOLOGY AND BIOPHYSICS 2(1), 39-50 (1983)

87. **MOZHAYEVA, GN; NAUMOV, AP.**
THE PERMEABILITY OF SODIUM-CHANNELS TO HYDROGEN-IONS IN NERVE-FIBERS
PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY 396(2), 163-173 (1983)

88. **MOZHAEVA, G N; NAUMOV, A P; KHODOROV, B I.**
[SELECTIVITY AND SENSITIVITY TO BLOCKING BY HYDROGEN IONS OF BATRACHOTOXIN-MODIFIED SODIUM CHANNELS IN NERVE FIBER MEMBRANES].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 15(6), - (1983)

89. **MOZHAEVA, G N; NAUMOV, A P; KHODOROV, B I.**
[POTENTIAL-DEPENDENT CHANGES IN THE IONIC SELECTIVITY OF BATRACHOTOXIN-MODIFIED SODIUM CHANNELS OF A FROG NERVE FIBER].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 15(5), - (1983)

90. **MOZHAEVA, G N; NAUMOVA, A P; KHODOROV, B I.**
[ION CURRENTS THROUGH BATRACHOTOXIN-MODIFIED SODIUM CHANNELS

OF NODE OF RANVIER MEMBRANES AT HIGH POSITIVE AND NEGATIVE POTENTIALS].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 15(5), - (1983)

91. **MOZHAYEVA, GN; NAUMOV, AP; KHODOROV, BI.**
TETRODOTOXIN CHANGES THE ACTIVATION KINETICS OF BATRACHOTOXIN-MODIFIED SODIUM-CHANNELS
GENERAL PHYSIOLOGY AND BIOPHYSICS 1(3), 221-223 (1982)
92. **MOZHAYEVA, GN; NAUMOV, AP; KHODOROV, BI.**
POTENTIAL-DEPENDENT BLOCKAGE OF BATRACHOTOXIN-MODIFIED SODIUM-CHANNELS IN FROG NODE OF RANVIER BY CALCIUM-IONS
GENERAL PHYSIOLOGY AND BIOPHYSICS 1(4), 281-282 (1982)
93. **MOZHAYEVA, GN; NAUMOV, AP; KHODOROV, BI.**
ION SELECTIVITY AND PROPERTIES OF THE ACID GROUP IN NA CHANNELS MODIFIED BY BATRACHOTOXIN IN NERVE MEMBRANE
GENERAL PHYSIOLOGY AND BIOPHYSICS 1(6), 453-455 (1982)
94. **MOZHAYEVA, GN; NAUMOV, AP; KHODOROV, BI.**
PROTON PERMEABILITY OF SODIUM-CHANNELS MODIFIED BY BATRACHOTOXIN
GENERAL PHYSIOLOGY AND BIOPHYSICS 1(6), 463-464 (1982)
95. **MOZHAYEVA, GN; NAUMOV, AP; NEGULYAEV, YA.**
INTERACTION OF H+-IONS WITH ACID GROUPS IN ACONITINE-MODIFIED SODIUM-CHANNELS
GENERAL PHYSIOLOGY AND BIOPHYSICS 1(1), 21-35 (1982)
96. **MOZHAYEVA, GN; NAUMOV, AP; NEGULYAEV, YA.**
INTERACTION OF H+-IONS WITH ACID GROUPS IN NORMAL SODIUM-CHANNELS
GENERAL PHYSIOLOGY AND BIOPHYSICS 1(1), 5-19 (1982)
97. **MOZHAEVA, GN; NAUMOV, AP.**
HYDROGEN CURRENTS THROUGH ACONITINE-MODIFIED SODIUM-CHANNELS IN THE NERVE-FIBER MEMBRANE
NEUROPHYSIOLOGY 14(5), 373-380 (1982)
98. **MOZHAEVA, GN; NAUMOV, AP.**
HYDROGEN-ION CURRENT THROUGH SODIUM-CHANNELS IN MYELINATED NERVE-FIBER MEMBRANE
NEUROPHYSIOLOGY 14(5), 365-372 (1982)
99. **MOZHAEVA, G N; NAUMOV, A P.**
[HYDROGEN CURRENTS THROUGH ACONITINE-MODIFIED SODIUM CHANNELS IN NERVE FIBER MEMBRANES].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 14(5), - (1982)
100. **MOZHAEVA, G N; NAUMOV, A P.**
[HYDROGEN ION CURRENTS THROUGH SODIUM CHANNELS IN MYELINATED NERVE FIBER MEMBRANES].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 14(5), - (1982)
101. **MOZHAYEVA, GN; NAUMOV, AP; NEGULYAEV, YA.**
EVIDENCE FOR EXISTENCE OF 2 ACID GROUPS CONTROLLING THE CONDUCTANCE OF SODIUM-CHANNEL
BIOCHIMICA ET BIOPHYSICA ACTA 643(1), 251-255 (1981)
102. **MOZHAYEVA, GN; NAUMOV, AP; NOSYREVA, ED; GRISHIN, EV.**
POTENTIAL-DEPENDENT INTERACTION OF TOXIN FROM VENOM OF THE SCORPION BUTHUS-EUPEUS WITH SODIUM-CHANNELS IN MYELINATED FIBER - VOLTAGE CLAMP EXPERIMENTS
BIOCHIMICA ET BIOPHYSICA ACTA 597(3), 587-602 (1980)
103. **GRISHIN, EV; SOLDATOV, NM; OVCHINNIKOV, YA; MOZHAYEVA, GN; NAUMOV, AP; ZUBOV, AN; NISMAN, BC.**
INTERACTION OF THE PHOTOREACTIVE DERIVATIVE OF THE NEUROTOXIN FROM THE MIDDLE-ASIAN SCORPION-VENOM WITH NEURO-BLASTOMA

CELL-MEMBRANES
BIOORGANICHESKAYA KHIMIYA 6(5), 724-730 (1980)

104. **MOZHAEVA, GN; NAUMOV, AP.**
KINETICS OF INTERACTION OF SCORPION TOXIN WITH SODIUM-CHANNELS IN THE RANVIER NODE MEMBRANE
NEUROPHYSIOLOGY 12(6), 409-415 (1980)

105. **MOZHAEVA, GN; NAUMOV, AP; NOSYREVA, ED.**
KINETICS OF SODIUM TAIL CURRENT DURING REPOLARIZATION OF AXON MEMBRANE NORMALLY AND IN THE PRESENCE OF SCORPION TOXIN
NEUROPHYSIOLOGY 12(5), 350-356 (1980)

106. **MOZHAEVA, GN; NAUMOV, AP; NOSYREVA, ED.**
KINETIC AND STEADY-STATE CHARACTERISTICS OF SODIUM-CHANNELS MODIFIED BY ACONITINE
NEUROPHYSIOLOGY 12(6), 404-408 (1980)

107. **MOZHAEVA, G N; NAUMOV, A P; NOSYREVA, E D.**
[KINETICS OF SODIUM CURRENT DECAY DURING NORMAL AXON MEMBRANE REPOLARIZATION AND IN THE PRESENCE OF SCORPION TOXIN].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 12(5), - (1980)

108. **MOZHAEVA, G N; NAUMOV, A P; NOSYREVA, E D.**
[FEATURES OF THE KINETIC AND STATIONARY CHARACTERISTICS OF ACONITINE-MODIFIED SODIUM CHANNELS].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 12(6), - (1980)

109. **MOZHAEVA, G N; NAUMOV, A P.**
[KINETICS OF THE REACTION BETWEEN SCORPION TOXIN AND THE SODIUM CHANNELS OF NODES OF RANVIER].
NEIROFIZIOLOGIIA = NEUROPHYSIOLOGY 12(6), - (1980)

110. **MOZHAYEVA G N; NAUMOV A P; SOLDATOV N M; GRISHIN YE V.**
EFFECT OF TOXINS OF THE SCORPION BUTHUS-EUPEUS ON THE SODIUM CHANNELS OF THE MEMBRANE OF THE NODE OF RANVIER
BIOPHYSICS (ENGLISH TRANSLATION OF BIOFIZIKA) 24(2), 242 (1979)

111. **KRUTETSKAYA, ZI; LONSKY, AV; MOZHAYEVA, GN; NAUMOV, AP.**
2-COMPONENT NATURE OF ASYMMETRICAL DISPLACEMENT CURRENTS IN NERVE MEMBRANE - KINETICAL AND PHARMACOLOGICAL ANALYSIS
TSITOLOGIYA 20(11), 1269 (1978)

112. **MOZHAYEVA, GN; NAUMOV, AP; NEGULYAEV, YA; NOSYREVA, ED.**
PERMEABILITY OF ACONITINE-MODIFIED SODIUM CHANNELS TO UNIVALENT CATIONS IN MYELINATED NERVE
BIOCHIMICA ET BIOPHYSICA ACTA 466(3), 461 (1977)

113. **MOZHAEVA, GN; NAUMOV, AP.**
POTASSIUM CONDUCTANCE OF RANVIER NODE MEMBRANE IN PRESENCE OF LA3+, ZN2+ AND CU2+ IONS IN MEDIA
TSITOLOGIYA 15(11), 1431 (1973)

114. **MOZHAYEVA G N; NAUMOV A P.**
EFFECT OF THE SURFACE CHARGE ON THE STEADY POTASSIUM CONDUCTIVITY OF THE MEMBRANE OF THE NODE OF RANVIER PART 2 CHANGE IN IONIC STRENGTH OF THE EXTERNAL SOLUTION
BIOPHYSICS (ENGL TRANSL BIOFIZ) 17(4), 644 (1972)

115. **MOZHAEVA, GN; NAUMOV, AP.**
EFFECT OF SURFACE CHARGE ON STATIONARY POTASSIUM CONDUCTIVITY OF RANVIER NODE MEMBRANE .1. CHANGE OF PH OF EXTERIOR SOLUTION
BIOFIZIKA 17(3), 412 (1972)

116. **MOZHAEVA, GN; NAUMOV, AP.**
EFFECT OF SURFACE CHARGE ON STEADY POTASSIUM CONDUCTIVITY OF RANVIER NODE MEMBRANE .2. CHANGE OF IONIC-STRENGTH OF EXTERNAL SOLUTION
BIOFIZIKA 17(4), 618 (1972)

117.MOZHAYEVA, GN; NAUMOV, AP.
TETRAETHYLAMMONIUM ION INHIBITION OF POTASSIUM CONDUCTANCE OF NODAL MEMBRANE
BIOCHIMICA ET BIOPHYSICA ACTA 290(DEC1), 248 (1972)

118.MOZHAEVA, GN; NAUMOV, AP.
EFFECT OF SURFACE CHARGE ON STATIONARY POTASSIUM CONDUCTANCE OF RANVIER NODE MEMBRANE .3. EFFECT OF DIVALENT CATIONS
BIOFIZIKA 17(5), 801 (1972)

119.MOZHAEVA, G N; NAUMOV, A P.
VLIIANIE POVERKHNOSTNOGO ZARIADA MEMBRANY NA PRONITSAEMOST' KLETKI DLIA IONOV KALIIA.
UKRAINS'KYI BIOKHIMICHNYI ZHURNAL 43(2), 159 (1971)

120.MOZHAEV G A; MOZHAEVA G N; NAUMOV A P.
EFFECT OF CALCIUM IONS ON STEADY STATE POTASSIUM CONDUCTANCE OF THE RANVIER NODE MEMBRANE
TSITOLOGIYA 12(8), 993 (1970)

121.MOZHAEVA, G. N.; MOZHAEV, G. A.; SKOPICHEVA, V. I..
O MEKHANIZME REGENERATIVNYKH IZMENENII POTENTSIALA MEMBRANY PEREKHVATA RANV'E V SREDA S VYSOKIM SODERZHANIEM IONOV KALIYA
BIOFIZIKA 11((3)), 462 (1966)