



Curriculum Vitae

Galyna SKIBO

PERSONAL DATA



Name: **Galyna SKIBO**
 Date of Birth: 22 June 1940
 Citizenship: Ukraine
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Address: Bogomoletz Institute of Physiology, Bogomoletz str.4, 01024, Kiev, Ukraine.

Scientific degree (specialization)	Doctor of Medical Science, Human histology & embryology 14.00.23
Academic rank	Professor, normal physiology 14.03.03
Position	Head
Department	Cytology
Faculty/Institute	Bogomoletz Institute of Physiology, NAS of Ukraine
Part-time position	Professor, ESC «Institute of biology and medicine», Cytology, histology and reproductive medicine department

EDUCATIONAL DISCIPLINES IN WHICH WAS INVOLVED:

Current year	1. “Neuromorphology”, educational degree «Bachelor», 4th course, full-time form of study, lectures and laboratory classes.
Previous years	1 “Neuromorphology”, educational degree «Bachelor», 4th course, full-time form of study, lectures and laboratory classes.

EDUCATION BACKGROUND

2018	Corresponding member of National Academy of Sciences of Ukraine
1993	Professor (normal physiology), Bogomoletz Institute of Physiology, Kyiv, Ukraine
1989	Doctor of Medical Science in Human histology & embryology, Bogomoletz Institute of Physiology, Kyiv, Ukraine. Thesis: “The structural basis of cell neurogenesis in nerve tissue dissociated cells culture”
1968	PhD degree in Human and animal physiology, Bogomoletz Institute of Physiology, Kyiv, Ukraine. Thesis: “Afferent impulses transmission via the medial Burdakh nucleus”
1957-1963	Medical Institute, Diploma of Advanced Physician, Kiev, Ukraine

CAREER/EMPLOYMENT

2016 till present	Professor, ESC «Institute of biology and medicine», Cytology, histology and reproductive medicine department
1996 till present	Head of Cytology Department, Bogomoletz Institute of Physiology, National Academy of Sciences of Ukraine, Kyiv, Ukraine.
1992-1996	Head of Laboratory of Neurocytology, Bogomoletz Institute of Physiology, Kyiv, Ukraine.
1988-1992	Leading research fellow, Bogomoletz Institute of Physiology, Kyiv, Ukraine.
1973-1988	Senior research fellow, Bogomoletz Institute of Physiology, Kyiv, Ukraine.
1968-1973	Junior researcher, Bogomoletz Institute of Physiology, Kyiv, Ukraine
1963-1967	PhD Student, Bogomoletz Institute of Physiology, Kyiv, Ukraine.

GRANTS

2017-2019	STCU №6262, «Development of technology for three-dimensional culture of multipotent cells to regenerate tissue after ischemic injury»
2014-2015	STCU №5977, «Effect of stem cells transplantation on the nervous tissue regeneration in perinatal CNS pathology»
2009-2012	SCOPES № IZ73Z0_1 28015 «Ectopic niche formation by grafted neural stem/progenitors in the ischemic cerebral cortex», Switzerland
2009-2011	STCU №4419, «The study of the safety of fetal cell using in cell therapy»
2008-2010	STCU №4424, «The study of the fluorine-containing compound neuroprotective action on the model of brain ischemia»
2002-2003	SCOPES - 7UKPJ 062401 – «Role of synaptic remodelling in ischemia-induced cell death», Switzerland
2001-2004	INTAS - 2001-0064 – «Modulation of neuronal differentiation and survival by means of synthetic peptide mimetics of the neural cell adhesion molecule (NCAM)», Denmark

PERSONAL SKILLS

Найменування	Level (description)
Native language	Russian, Ukrainian
Foreign language	English, level B2
Communicative competence	In my scientific activity I maintain active professional contacts with the scientific community in Ukraine and abroad. In the process of specially organized training in direct interaction with students, PhD students, I carry out communication in a dialogic mode in order to form their professional knowledge and skills.
Organizational / management competence	The head of scientific work of Cytology Department of Bogomoletz Institute of Physiology, Project Manager of competitive research projects, grants. Supervisor of PhD students, scientific consultant of doctoral students. I have trained 12 PhDs and 5 Doctors of Science.
Computer skills	I am fluent in software for image analysis of cyto- and histological preparations, statistical analysis, image editing and presentation of educational and scientific work data
Professional skills (not mentioned above)	Member of Bogomoletz Institute of Physiology Specialized Scientific Council Д 26.198.01. I often speak as an opponent in the defense of candidate and doctoral theses. Member of editorial boards of journals: «Fiziologichnyi Zhurnal», «Ukrainian Neurological Journal», «Pathologia», «Cell and Organ Transplantation» та «Journal of Pre-Clinical and Clinical Research»
Specialization & research areas	Microscopy, immunohistochemistry. Neurosciences, stem cells technology

ADDITIONAL INFORMATION

Memberships:	Ukrainian Society for Neuroscience, FENS, IBRO
Awards	Honored Worker of Science and Technology of Ukraine, laureate of the State Prize of Ukraine 2013, winner of Bogomoletz Award and Kostuyk Award, Order of Princess Olga 3d Class, St. Prince Vladimir 4th Class.

Galyna Skibo

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Scopus Author ID: 7004529090

Selected publications (for the last five years)
(вибрані за останні 5 років):

1. Palma-Tortosa S, Tornero D, Grønning Hansen M, Monni E, Hajy M, Kartsivadze S, Aktay S, Tsupykov O, Parmar M, Deisseroth K, Skibo G, Lindvall O, Kokaia Z. Activity in grafted human iPS cell-derived cortical neurons integrated in stroke-injured rat brain regulates motor behavior. *Proc Natl Acad Sci USA*. 2020 Apr 21;117(16):9094-9100
2. Grønning Hansen M, Laterza C, Palma-Tortosa S, Kvist G, Monni E, Tsupykov O, Tornero D, Uoshima N, Soriano J, Bengzon J, Martino G, Skibo G, Lindvall O, Kokaia Z. Grafted human pluripotent stem cell-derived cortical neurons integrate into adult human cortical neural circuitry. *Stem Cells Transl Med*. 2020 Jun 29.
3. Т.М. Kovalenko, I.O. Osadchenko, D.R. Shepilov, K.G. Smozhanyk, D.V. Muraviova, G.O. Ushakova, N. Marungruang, O. Prykhodko, F. Hallenius, G.G. Skibo. Effect of low and high fat diets on the hippocampal structure in ApoE ^{-/-} knockout mice // *Fiziol. Zh*. 2019; 65(4): 31- 40.
4. Lushnikova I, Maleeva G, Skibo G. Glycine receptors are involved in hippocampal neuronal damage caused by oxygen-glucose deficiency. *Cell Biol Int*. 2018 Sep;42(10):1423-1431.
5. Marungruang N, Kovalenko T, Osadchenko I, Voss U, Huang F, Burleigh S, Ushakova G, Skibo G, Nyman M, Prykhodko O, Hällenius FF. Lingonberries and their two separated fractions differently alter the gut microbiota, improve metabolic functions, reduce gut inflammatory properties, and improve brain function in ApoE^{-/-} mice fed high-fat diet. *Nutr Neurosci*. 2018 Oct 24:1-13
6. Кирик В., Устименко А., Луценко Т., Цупиков О., Яценко К., Скибо Г., Бутенко Г. 3D культивування мультипотентних клітин з жирової тканини в гідрогелі з карбомеру 974Р. – Клітинна та органна трансплантологія. – 2018. – Vol.6, №2– С. 188-194.
7. Tornero D, Tsupykov O, Granmo M, Rodriguez C, Grønning-Hansen M, Thelin J, Smozhanik E, Laterza C, Wattananit S, Ge R, Tatarishvili J, Grealish S, Brüstle O, Skibo G, Parmar M, Schouenborg J, Lindvall O, Kokaia Z. Synaptic inputs from stroke-injured brain to grafted human stem cell-derived neurons activated by sensory stimuli. *Brain*. 2017 Mar 1;140(3):692-706.
8. Kanemitsu M, Tsupykov O, Potter G, Boitard M, Salmon P, Zraggen E, Gascon E, Skibo G, Dayer AG, Kiss JZ. EMMPRIN overexpression in SVZ neural progenitor cells increases their migration towards ische mic cortex. *Exp Neurol*. 2017 Nov;297:14-24.
9. Zoltowska KM, Maesako M, Lushnikova I, Takeda S, Keller LJ, Skibo G, Hyman BT, Berezovska O. Dynamic presenilin 1 and synaptotagmin 1 interaction modulates exocytosis and amyloid β production. *Mol Neurodegener*. 2017 Feb 13;12(1):15.
10. Lushnikova I, Nikandrova Y, Skibo G. Cooperation of HIF- and NCAM-mediated mechanisms in cell viability of hippocampal cultures after oxygen-glucose deprivation. *Cell Biol Int*. 2017 Oct;41(10):1119-1126
11. Tsupykov O., Lushnikova I., Ustymenko A., Kyryk V., Nikandrova Y., Patseva M., Yatsenko K., Butenko G., Skibo G. The effects of multipotent mesenchymal stromal cells on mouse brain slices at their co-culture in an in vitro model of periventricular leukomalacia. *Фізіологічний журнал*. - 2017. - т. 63. – № 5. – С. 3-12.
12. Tsupykov O, Ustymenko A, Kyryk V, Smozhanik E, Yatsenko K, Butenko G, Skibo G. Ultrastructural study of mouse adipose-derived stromal cells induced towards osteogenic direction. *Microsc Res Tech*. 2016 Jun;79(6):557-64
13. Kopach O, Maistrenko A, Lushnikova I, Belan P, Skibo G, Voitenko N. HIF-1 α -mediated upregulation of SERCA2b: The endogenous mechanism for alleviating the ischemia-induced intracellular Ca²⁺ store dysfunction in CA1 and CA3 hippocampal neurons. *Cell Calcium*. 2016 May;59(5):251-61.
14. Tsupykov O, Kanemitsu M, Smozhanik E, Skibo G, Dayer AG, Kiss JZ. Relationship of Grafted FGF-2-Overexpressing Neural Stem/Progenitor Cells With the Vasculature in the Cerebral Cortex. *Cell Transplant*. 2016; 25(7) :1359-69.