Curriculum Vitae

Moroz O.F.

PERSONAL INFORMATION

Olesia F. Moroz

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Account (profile) in scientific metric databases:
Scopus Author ID: 26531592500
ORCID ID: 0000-0002-3134-1647

Sex F | Data of Birth 22/09/1983 | Citizenship Ukraine

Research degree (degree, speciality)	2009 – Candidate of Sciences in Biology (PhD), 03.00.13 – human and animal physiology
Title	-
Current post	assistant lecturer
Department	Department of Biophysics and Medical Informatics
Faculty/Institute	Educational and Scientific Center "Institute of Biology and Medicine" of Taras Shevchenko National University of Kyiv
Part-time position	junior researcher on the project #19БФ036-01, Taras Shevchenko National University of Kyiv

Academic disciplines, which have been taught:

Current year (courses in Ukrainian)	1. Modern Information Technologies in Biology (2nd Year BSc, Biology), practical classes. 2. Statistics in Biology (2nd Year BSc, Biology), practical classes. 3. Biophysics (3rd Year BSc, Biology), practical classes. 4. Biophysics laboratory practice (4th Year BSc, Biology), lab classes. 4. Biophysics of the Muscle Contractility and Cellular Mobility (4th Year BSc, Biology), lectures 5. Pharmacology (4th Year BSc, Biotechnology), practical classes 6/ Medical Informatics and Fundamentals of Statistics (1st Year MSc, Medicine), practical classes.
Previous years (courses in English)	1. Medical Informatics and Fundamentals of Statistics (1st Year MSc, Medicine), practical classes. 2. Pharmacology (3rd Year MSc, Medicine), practical classes.

RESEARCH AND TEACHING EXPERIENCE

Period	Stage (description)
(2009 – 08/2018)	Post Assistant lecturer of the Department of Physiology
	O.O. Bogomoletz National Medical University, 13, T. Shevchenko boulevard, Kyiv, Ukraine, 01601, web page: http://www.nmu.ua
	Area of work or sector Education
(09/2011 – 12/2011)	Post Senior lecturer of the Department of Biology
	National University of "Kyiv-Mohyla Academy", 2, H. Skovorody Street, Kyiv, Ukraine, 04070, web page: http://www. ukma.edu.ua
	Area of work or sector Education

EDUCATION AND INTERNSHIP

Period	Stage (description)
4-18.10.2021	Acadamy of digital skills, "Google online apps for higher and professional education" , 1 credit ECTS
16.02-1.03.2021	Taras Shevchenko National University of Kyiv, KNU Teach Week, 1 credit ECTS

21.01-4.03.2021	"EdEra" online education center, course "#blend_it: mastering the blended learning", 3 credit ECTS
(2006 - 2009)	Taras Shevchenko National University of Kyiv
	Postagraduate Candidate of Sciences in Biology. Thesis "Effect of bombesin on bile formation in the rat liver"
01/2006	CIMO Winter School, Tampere, Finland
	student of the course "Nutrition and Health"
(2000 - 2006)	Taras Shevchenko National University of Kyiv
	Qualification MSc, Physiologist, Lecturer in Biology

PERSONAL COMPETENCIES

Name	Level (description)
Native language	Ukrainian
Foreign language 1	English (B2/C1)
Foreign language 2	German, A1
Communication competence	Advanced communicative skills due to participation in different educational teams. With oral and poster presentations took part in several international research symposia.
Organisational/management competence	Years of leading and management of various volunteer projects for adult and youth scouts (PLAST – National Scout Organization of Ukraine)
Computer competencies	Information analysis: Professional user of MS Office, Statistica 5.0, OriginPro
Other computer skills	User of Adobe Photoshop, ImageJ
Areas of professional interests	Physiology, regulation of smooth muscle contractility, TRP ion channels

ADDITIONAL INFORMATION

Name	(titles of publications, presentations, projects, conferences, seminars, distinctions, membership in Academies, professional and scientific associations etc)

Publications	1. Olesia F. Moroz, Oksana O. Drozd, Roman T. Lavryk et al. The role of mechanosensitive TRPV4 channels in the regulation of myometrium spontaneous and oxytocin- induced contractility under normal and pathophysiologically relevant conditions, 18 July 2022, PREPRINT (Version 1) available at Research Square [https://doi.org/10.21203/rs.3.rs-1863005/v1]. 2. Moroz O.F. The Exquisite Sensitivity of the Uterine Epithelium: Pregnant Vs. Non-Pregnant Status of the Endometrium. In: TRiPs across epithelial and endothelial barriers in health and disease. Editors A.V. Zholos, G.M. Tolstanova, Nova Science Publishers, New York. – 2021, 257 pp. ISBN: 978-1-68507-020-5 DOI: https://doi.org/10.52305/KGOX9170 https://novapublishers.com/shop/trips-across-epithelial-and-endothelial-barriers-in-health-and-disease/ 3. Drozd, O. O., & Moroz, O. F. (2020). Uterine contractility: focus on some new targets to affect the function. In Conceptual options for the development of medical science and education: Collective monograph. Riga : Publishing House "Baltija Publishing", pp.201-231 4. O.F. Moroz, S.P. Veselsky, T.P. Lyaschenko AGE RELATED FEATURES OF THE BOMBESIN EFFECT ON HEPATIC BILE FORMATION Fiziol. Zh. 2020; 66(5): 46-54 DOI: https://doi.org/10.15407/fz66.05.046 5. Stetska V. O., Moroz O. F., Dovbynchuk T. V., Tolstanova G. M., Zholos A. V. The Role of TRPV4 Cation Channels in Smooth Muscle Contractile Activity in Rats УЖМБС 2020, 5(6): 370–377 DOI: https://doi.org/10.26693/jmbs05.06.370 6. Moroz O. and Zholos A. (2019) "Uterine Myocytes: development, structure and function". In Advances of Medicine and Biology Ed. Leon V.Berhardt, vol. 148, pp.27-97 7. Oksana O. Drozd, Olesia F. Moroz, Oleksiy D. Fedorenko,Roman T. Lavryk, Alexander V. Zholos TRPC4 channel as molecular target for controlling normal and impaired uterine contractility. 13th Congress of European Society of Gynecology, Vienna, Austria, 16- 19 October 2019. 8. K.V. Zabello, R.T. Lavryk, O.F. Moroz, A.I. Soloviev, A.V. Zholos (2019) Effects of lyposomal quercetin on myometrial contractions under hypoosmotic cell swelling. Fiziologichnyi Zhurnal, vol. 65 (3), p. 38 9. Alexander V. Zholos, Olesia F. Moroz and Maksim V. Storozhuk. (2019) "Curcuminoids and Novel Opportunities for the Treatment of Alzheimer's Disease: Which Molecules are Actually Effective?". Current Molecular Pharmacology 12: 12. 10. Maksim V. Storozhuk, Olesia F. Moroz, and Alexander V. Zholos, "Multifunctional TRPV1 Ion Channels in Physiology and Pathology with Focus on the Brain, Vasculature, and Some Visceral Systems," BioMed Research International, vol. 2019, Article ID 5806321, 12 pages 11. Moroz O., Lyaschenko T., Veselsky S. [et al.] Bombesin-like peptides change secreted bile volume and the output of bile acids into the rat bile. Journal of Physiological Sciences. 2009; 59(1):388. 12. Moroz OF, Vesel's'kyĭ SP, Liashchenko TP, Nuryshchenko NIe. Changes in ratio of lipid components in the rat bile after applying bombesin neuropeptide. Ukr Biokhim Zh. 2009 Jan-Feb;81(1):52-8. 13. Moroz O.F., Nuryschenko N.Y. Role of bombesin-like peptides in bile formation in rats. Physics of Alive. 2009; 17(1):139-144. 14. Moroz O., Veselsky S., Lyaschenko T. [et al.] Bombesin influence on bile lipid composition in rat. Acta Physiologica. 2007; 191(658):39.
Presentations	-
Projects	2019-2021 grant for research project "Ion and membrane mechanisms of calcium homeostasis and contractility regulation at different gestation stages" funded by the Department of Targeted Training of National Academy of Science of Ukraine (#7B-2018) 2009 travel grant for participation in 36th International Congress of Physiological Sciences (IUPS-2009), Japan 2008-2009 President of Ukraine Scholarship for young scientists 2007 travel grant for participation in Joint Meeting of the Slovak Physiological Society and The Physiological Society and FEPS, Slovakia 2006 travel grant for participation in CIMO Winter School, Finland

Research Symposia	International Congress of Laboratory Medicine, Kyiv, Ukraine, 23-25 September 2020. 13th Congress of European Society of Gynecology, Vienna, Austria, 16- 19 October 2019 XX Symposium of Ukrainian Physiologycal Society, Kyiv, Ukraine, 27-30 May 2018. VII Symposium of Ukrainian Biophysical Society, Kyiv, Ukraine, 29-31 October 2018. V International Scientific Conference "Psychophysiological and Visceral Functions in Norm and Pathology", Kyiv, Ukraine, 6-8 October 2010. 36th International Congress of Physiological Sciences (IUPS-2009), Kyoto, Japan, July 27 - August 1, 2009 Joint Meeting of the Slovak Physiological Society and The Physiological Society and FEPS, Bratislava, Slovakia, Sept. 11th-14th, 2007 In total 18 abstracts of communications at national and international research symposia.
Membership	Ukrainian Biophysical Society, Ukrainian Physiological Society
Citations	Scopus: 40 citation, h-index: 2

SUPPLEMENTS

Name	Link