

CV:



Curriculum Vitae

Ogloblya O.V.

PERSONAL INFORMATION

Olexandr V. Ogloblya



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Account (profile) in scientific metric databases:

Scopus Author ID: 6506013455

ORCID: orcid.org/0000-0002-7956-1171Sex M | [Data of Birth 26/04/1977](#) | [Citizenship Ukraine](#)

Research degree (degree, speciality)	2005 – PhD (01.04.02 – Theoretical Physics)
Title	2006 - Associate Professor in Biophysics (Ministry of Education and Science of Ukraine)
Current post	Associate Professor
Department	Department of Biophysics and Medical Informatics
Faculty/Institute	Educational and Scientific Centre «Institute of Biology and Medicine», Taras Shevchenko National University of Kyiv

Academic disciplines, which have been taught:

Current year	<ol style="list-style-type: none"> 1.«Informational Technologies in Medicine», Bachelor, 3 year, lectures and practical 2.«Informatics and Systemology», Bachelor, 3 year, lectures and practical 3.«Structural Biology», Magister, 2 year, lectures and laboratory 4.«Problems and Resources of Modern Biomedical Informatics», Magister, 2 year, lectures and laboratory 5.«Principles of Molecular Modeling», Bachelor, 3 year, lectures 6.«Computer Modeling in Biology», Magister, 1 year, lectures and practical (Correspondence Dept.) 7.«Computer Modeling in Biology», Magister, 1 year, practical 8. «Modern Informational Technologies in Biology», Bachelor, 2 year, laboratory 9. «Laboratory Works in Biophysics», Bachelor, 3 year, laboratory 10. «Statistical Methods in Biology», Bachelor, 2 year, laboratory 11. «Medical Informatics», Bachelor, 1 year, laboratory
Previous periods	<ol style="list-style-type: none"> 1.«Spectroscopy Methods in Biology», Bachelor, 4 year (2015- 2019) 2.«Medical Radiational Physics and Radiotherapy», Magister, 1 year (2019) 3.«Biophysical Methods of Investigations», Bachelor, 3 year (2014-2019) 4.«Physical and Chemical Methods of Investigations», Bachelor, 3 year (2011-2012) 5.«Physical and Chemical Basis of Organization of Biological Systems», Magister, 2 year (2016-2017) 6.«Biophysical Chemistry with Basis of Nanobiotechnology», Magister, 1 year (2012-2013) 7.«Safework in the Field», магiстр, 2 year (2012-2013) 8.«Experimental Methods of Investigations in Biology», Magister, 1 year (2013-2016) 9.«Basics of Enzyme Kinetics», Specialist, 1 year (2014-2015) 10.«Spectroscopy of Biomacromolecules», Bachelor, 4 year (2011-2013) 11.«Basics of Theoretical Physics», Bachelor, 4 year (2011-2012) 12.«Informatics and Systemology», Bachelor, 3 year (2014-till present) 13. «Statistical Methods in Biology», Bachelor, 2 year, laboratory (2005-till present) 14.«Modern Informational Technologies in Biology», Bachelor, 2 year (2001-till present) 15.«Laboratory Works in Biophysics», Bachelor, 3 year (2001- till present) 16.«Medical Informatics», Bachelor, 1 year, laboratory, English (2019 - till present)

RESEARCH AND TEACHING EXPERIENCE

Period	Stage (description)
(2006 - present)	<p>Post: Associate Professor of the Department of Biophysics Medical Informatics Taras Shevchenko National University of Kyiv, 64/13, Volodymyrska Street, Kyiv, Ukraine, 01601, web page: http://univ.kiev.ua</p> <p>Area of work or sector Education/Research</p>
(2001 – 2006)	<p>Post: Assistant Professor of the Department of Biophysics Taras Shevchenko National University of Kyiv, 64/13, Volodymyrska Street, Kyiv, Ukraine, 01601, web page: http://univ.kiev.ua</p> <p>Area of work or sector Education/Research</p>
(2004 - 2006)	<p>Post: Assistant Professor of the Department of Biophysics (0.5 salary) National University of Life and Environmental Sciences of Ukraine, 15, Heroiv Oborony, Kyiv, Ukraine, 03041, web page http://nubip.edu.ua/</p> <p>Area of work or sector Education/Research</p>
(2003 – 2004)	<p>Post: Assistant Professor of the Department of Electrotechnics (0.5 salary) National Transport University, 1, Mykhaila Omelianovycha - Pavlenka Str. Kyiv, Ukraine, 01010, web page http://new.ntu.edu.ua</p> <p>Area of work or sector Education/Research</p>
(2001 – 2002)	<p>Post: Engineer (0.5 salary) Main activities and functional duties: writing scientific research programs (mainly in LabView) for interaction with equipment and for data analysis O.O. Bogomoletz Institute of Physiology of the National Academy of Sciences of Ukraine, 4, Academician Bogomoletz Street, Kyiv, Ukraine, 01024, web page: http://biph.kiev.ua</p> <p>Area of work or sector Research</p>
(1999 – 2001)	<p>Post: Engineer (0.5 salary) Main activities and functional duties: administration of computer class software (mainly Windows) and writing programs for science applications Taras Shevchenko National University of Kyiv, 64/13, Volodymyrska Street, Kyiv, Ukraine, 01601, web page: http://univ.kiev.ua</p> <p>Area of work or sector Education/Research</p>

EDUCATION AND INTERNSHIP

Period	Stage (description)
(1994 – 1999)	<p>Physical Faculty of T.G. Shevchenko Kyiv State University Qualification: Magister of Physics, first class diploma</p>
(1999-2004)	<p>Fellowship, Faculty of Physics, Taras Shevchenko National University of Kyiv Qualification: PhD (01.04.02 – Theoretical Physics), «Mechanical, optical and electronic properties of single-walled carbon nanotubes»</p>

PERSONAL COMPETENCIES

Name	Level (description)
Native language	Ukrainian
Foreign language 1	Russian (fluent)
Foreign language 2	English (B2, 2018)
Communication competence	Gave invited lectures at universities in Ukraine. Gave oral communications at numerous international research symposia. Good communication skills acquired during the work as assistant of the Chess Coach in International Trips with Kids Chess Club in 2003-2005 years.
Organisational/management competence	In 2016-2017 years carried out official duties of «Departmental Secretary of Biophysics and Medical Informatics». In 2013 year studied in the school for project managers «Efficient Energy Use and Planning», in Sweden.

Computer competencies	<p>Content development (programs, sites):</p> <ul style="list-style-type: none"> • C/C++, Python, Fortran, MatLab, Mathematica – good knowledge; • good knowledge in OS Linux (LFS / BLFS own builds): multithread applications, pthread library, openmpi library; • PHP, HTML, CSS, SQL – knowledge sufficient for development and support of Internet sites
Other skills	Candidate Master of Sports in Chess
Areas of professional interests	Studying of Novel Materials: fullerenes, carbon nanotubes; their mechanical and electronic properties; group theory, molecular dynamics, quantum-chemistry computations, Su-Schrieffer-Heeger model, nonequilibrium Green's function formalism; theoretical Biophysics: skeletal muscle contraction, kinetics of biochemical processes.

ADDITIONAL INFORMATION

Name	(titles of publications, presentations, projects, conferences, seminars, distinctions, membership in Academies, professional and scientific associations etc)
Publications	<ol style="list-style-type: none"> 1. Kuznietsova H., Ogloblya O. Therapy that targets growth factor receptors – novel approach for liver cirrhosis treatment. In: Assessment and Management of Liver Cirrhosis – Recent Advances (edited by Xiaozhong Guo and Xingshun Qi). - IntechOpen, 2021. DOI: 10.5772/intechopen.96552. 2. O. V. Ogloblya, H. M. Kuznietsova, Y.M. Strzhemechny Effects of Coulomb Repulsion on Conductivity of Heterojunction Carbon Nanotube Quantum Dots with Spin-Orbital Coupling and Interacting Leads // Physica B: Physics of Condensed Matter, Vol. 504, 2017, p. 96-102. 3. H. M. Kuznietsova, M.S. Yena, I.P. Kotlyar, O.V. Ogloblya, V.K. Rybalchenko Antiinflammatory effects of protein kinase inhibitor pyrrol derivate//The Scientific World Journal. – 2016. – V.2016. - Article ID 2145753, 8 p. doi:10.1155/2016/2145753 4. H.M. Kuznietsova, O.V. Ogloblya, V.V. Cherepanov, Yu.I. Prylutsky, V.K. Rybalchenko Effects of C60 fullerene - cisplatin complex on honeybee Apis mellifera L. //Biotechnologia Acta. - 2015. - V.8, #4. - P.108-112. 5. H.M. Kuznietsova, O.V.Ogloblya, V.K.Rybalchenko Impact of dihydropyrrol derivative in the normal colonic mucosa of DMH-induced colon cancer rats compared with 5-fluorouracil // Experimental Oncology. - 2013. – V.5, #1. – P.25-29. 6. O. V. Ogloblya, G. M. Kuznetsova Nanotube Quantum Dot Transport With Spin-Orbit Coupling and Interacting Leads, Physica B: Condensed Matter, 2013, Vol. 424, P. 47–53. 7. O.V. Ogloblya, Yu.I. Prylutsky, Yu.M. Strzhemechny Peculiarities of conductance of carbon nanotube based quantum dots // International Journal of Quantum Chemistry, 2010, Vol.110, P. 195-201. 8. O.V. Ogloblya, Y.M. Strzhemechny, G.M. Kuznetsova, Yu.I. Prylutsky, W.E. Billups Linear polarizability of carbon nanotubes bonded to maleimide derivative and fluorescent probe Nile red // Computational Materials Science, Volume 46, Issue 1, July 2009, P. 112–114 9. Yu.I. Prylutsky, V.M. Danylova, O.V. Ogloblya, A.M. Shut, M.S. Miroshnychenko Stochastic and kinetic model of Ca2+ - dependent regulation of sceletal muscle contraction-relaxation // Dopovidi of National Academy of Sciences of Ukraine, Vol.6, 2004, P.184-188. 10. M.V. Makarets, Y.I. Prylutsky, O.V. Ogloblya, L. Carta-Abelmann, P. Scharff Computer simulation of supported C₆₀ fullerenes fragmentation by particle beam // Carbon, Vol.42, 2004, P.987-990. 11. Yu.I. Prylutsky, O.V. Ogloblya, P. Scharff Computer modelling of the optical absorption spectrum of single-walled carbon nanotube bundles // Ukr. J. Phys, 2004, Vol. 49, N12A, P. A17-A20. 12. Yu.I. Prylutsky, O.V. Ogloblya, P. Eklund, P. Scharff. Electronic properties of carbon nanotubes with defects // Synth. Met. - 2001. Vol. 121, N 1-3 - P. 1209-1210. 13. Yu. Prylutsky, S. Durov, A. Ogloblya, P. Eklund, L. Grigorian. Study of mechanical properties of carbon nanotubes under the high pressure // Mol.Mater. - 2000. - Vol. 13, N 1- 4 - P. 71-74. 14. Yu.I. Prylutsky, S.S. Durov, O.V. Ogloblya, E.V. Buzaneva, P. Scharff. Molecular dynamics simulation of mechanical, vibrational and electronic properties of carbon nanotubes // Comput.Mat.Sci. - 2000. - Vol. 17, N 2-4, P. 352-355. 15. Yu. Prylutsky, O. Ogloblya, E. Buzaneva, A. Gorchinskiy, P. Eklund, P. Scharff. Optical properties of single-walled carbon nanotubes // Funct.Mater. - 2000. - Vol. 7, N 4(1) - P. 652-654.
Presentations	<p>International Workshop: «Quantum Sensing with Quantum Correlated Systems», 25-29 September, 2017, Dresden, Germany</p> <p>School: «Efficient Energy Use and Planning», 12 November – 5 December, 2013, Sweden</p> <p>School-Workshop: «Innovations in Strongly Correlated Electronic Systems», ICTP, 6-17 August, 2012, Trieste, Italy</p> <p>Summer School: NATO ASI «Carbon Nanotubes: From Basic Research to Nanotechnology», 21-31 May, 2005, Sozopol, Bulgaria</p> <p>Conference: Carbon'03, 6-10 July, 2003, Oviedo, Spain</p> <p>School: «Hands-on KKR and Spectroscopy Course», February 2002, Munich, Germany</p>
Awards	Award of the President of Ukraine for young scientists in 2007 year for cycle of works «New quantum effects in electronic properties of microcontacts and nanotubes»
Membership	American Nano Society (2010 – till present) Ukrainian Biophysical Society (2001 – till present)
Citations	Scopus: 116 citations, h-index 5