

CURRICULUM VITAE

Personal Information	Work Details
Full Name: Roksana Zakharyan Date of birth: 16.01.1985 Home address: 67 Babajanyan, 37 apt., Yerevan, Armenia Home phone: (+37410) 74-32-49 Cell phone: (+37493)/(+37495) 54-20-66 E-mail: zakharyanr@gmail.com , r_zakharyan@mb.sci.am	Position: Head of the Department Degree: PhD Organization: Russian-Armenian University Work address: 123 Hovsep Emin, 0051, Yerevan, Armenia Work phone: (+374 10) 264-783 / 248 E-mail: roksana.zakharyan@rau.am ,

Education (<i>listed in reverse chronological order</i>):	
Date (from - to)	Degree obtained, Institution
2013	<i>PhD in biology</i> <i>Thesis title “Molecular genetic markers of immune system alterations in schizophrenia”, Supervisor: Prof. Anna Boyajyan, PhD, DrSc</i>
2008-2012	<i>Ph.D. student</i> <i>Institute of Molecular Biology National Academy of Sciences of the Republic of Armenia (NAS RA)</i>
2005-2007	<i>Master student (graduated with honors)</i> <i>Faculty of Physics, Yerevan State University (YSU)</i>
2001-2005	<i>Bachelor student (graduated with honors)</i> <i>Faculty of Physics, YSU</i>
Professional Experience (<i>listed in reverse chronological order</i>):	
Date (from - to)	Position, Organization
2017 December-	<i>Head of the Department of Medical Biochemistry and Biotechnology</i> Russian-Armenian University, Armenia (www.rau.am)
2016-	<i>Senior lecturer (part-time)</i> <i>Graduate course – Functional Genomics</i> <i>Graduate course – Genomics and Proteomics</i> Russian-Armenian University, Armenia (www.rau.am)
2015-2016	<i>Teaching assistant (part-time)</i> <i>F100 level course – Introduction to Biosciences</i> <i>Undergraduate General Education Course</i> American University of Armenia (affiliated with the University of California, see http://aua.am/accreditation-affiliations/)
2013 -	<i>Researcher</i>

	<i>Laboratory of Human Genomics and Immunomics (former Laboratory of Macromolecular Complexes) Institute of Molecular Biology NAS RA</i>
2013-	Lecturer <i>Graduate Course “Molecular medicine” Department Molecular and Cellular Biology International Scientific-Educational Center of NAS RA</i>
2012 - 2013	Expert <i>Micotoxins and GMO testing laboratory Institute of Molecular Biology NAS RA</i>
2009-2012	Junior researcher <i>Laboratory of Macromolecular Complexes Institute of Molecular Biology NAS RA</i>
2007-2008	Senior laboratory assistant <i>Laboratory of Solid State Physics Institute for Physical Research NAS RA</i>
2006-2007	Laboratory assistant <i>Department of Molecular Physics Faculty of Physics, Yerevan State University (YSU)</i>
Membership	
<p>European Academy of Allergy and Clinical Immunology (EAACI) International Brain Research Organization (IBRO) International Complement Society (ICS) European Cytokine Society (ECS) European Federation of Immunogenetics (EFI) Molecular and Cellular Cognition Society (MCCS) Armenian Association of Biochemists affiliated to Federation of the European Biochemical Societies (FEBS) Biotechnological Association of Armenia Young Scientists’ Council of Institute of Molecular Biology NAS RA Armenian Association for Molecular and Cellular Biology and Immunology (<i>executive secretary</i>) affiliated to the International Union of Immunological Societies (IUIS) and European Federation of Immunological Societies (EFIS)</p>	
Research Experience and Technical Skills:	
<p>Laboratory skills (<i>list methods you are competent in</i>): ELISA, Western blot, PCR-SSP, qRT-PCR, calorimetry, circular dichroism, DNA/RNA extraction, gel-electrophoresis, UV-spectrophotometry, Sanger sequencing</p>	
<p>Computer skills (<i>list application programs you are competent in</i>): MS Office, CorelDraw, Adobe Photoshop, SPSS, GraphPrism</p>	
<p>Languages: Russian (fluent), English (fluent)</p>	

Academic Fellowships and Visits:	
Date (from - to)	Place
01.09.2009-02.02.2010	Laboratory of Immunogenomics and Proteomics, Department of Immunology, Faculty of Medicine, Palacky University, Olomouc, Czech Republic
Honors/Awards:	
2017	<i>Winner of the competition "Most productive young scientist-2016", awarded by the State Committee of Science, Ministry of Education of the Republic of Armenia</i>
2016	<i>Winner of the competition "100 ideas for Armenia", awarded by the Ministry of Sport and Youth Affairs of the Republic of Armenia</i>
2016	<i>Winner of the competition "Most productive young scientist-2015", awarded by the State Committee of Science, Ministry of Education of the Republic of Armenia</i>
2015	<i>Award for the best presentation at section "Molecular medicine" at the Fifth international scientific-practical conference "Most up-to-date problems of biology, nanotechnology and medicine", Awarded by the Scientists Committee, Russian Federation</i>
2013	<i>Winner of the Young Scientists Competition "Best Scientific Work 2013", Section of Biology, Awarded by the National Academy of Sciences of the Republic of Armenia, the World Armenian Congress, the Union of Armenians in Russia, and Ministry of Diaspora of the RA</i>
2012	<i>Award for publications with the highest citations in international peer-reviewed journals, Awarded by the "Tashir" Foundation and "Young Scientists Support" Initiative, Armenia</i>
2011	<i>Award for impact factor publications, Awarded by "Gagik Tsarukyan" Foundation and "Young Scientists Support" Initiative, Armenia</i>
Supervision of graduate students: Supervision of 4 graduate projects	
Additional Professional Activities	
Evaluation activities:	
2015-to date	Reviewer of the World Journal of Biological Psychiatry
2015-to date	Editorial Board Member of the Journal of Clinical Immunology and Immunotherapy
2015-to date	Editorial Board member of the Scientific Journal of Genetics and Gene Therapy
2015-to date	Reviewer of the Neuropsychiatric Disease and Treatment
2015-to date	Reviewer of the Research and reports in Biochemistry
2015-to date	Reviewer of the Neurological Disorders & Epilepsy
2015-to date	Reviewer of the Advances in Genomics and Genetics
2015-to date	Reviewer of the International Journal of Interferon, Cytokine and Mediator Research
2015	Abstract Reviewer of the Fourth International Congress of Immunology
2013-to date	Expert of the State Committee of Science of the Republic of Armenia
Fellowships and scholarships:	
Year received	
2017-2019	<i>Targeted research project "Genetic mapping of Armenian pathogenome", State Committee of Science, Ministry of Education and Science, Republic of Armenia</i>

	<i>Armenia</i>
2017	<i>Educational grant award, provided by the World Federation of Societies of Biological Psychiatry (WFSBP) to attend special Educational Section at the World congress of Biological Psychiatry, June 18-22, 2017</i>
2015	<i>Educational grant award, provided by the World Federation of Societies of Biological Psychiatry (WFSBP) to attend special Educational Section at the World congress of Biological Psychiatry, June 14-18, 2015</i>
2015	<i>Travel grant, IncoNet EaP project, FP7, attendance to the Horizon 2020 “Health, Demographic Change & Wellbeing” Health Partnering Day and Open Info Day, Brussels, September 17-18, 2015</i>
2015	<i>Travel grant for participation to the “12th World congress of Biological Psychiatry”, awarded by the “Young Scientists’ Support Program”</i>
2013-2016	<i>“Schiff base cyclic amino acid derivatives for chemoprotection against damaging action of mycotoxins”, Grant of the International Science and Technology Center, ISTC (#A-2116), project participant</i>
2013-2015	<i>Grant of “Study of synaptic plasticity regulating transcription factors in schizophrenia”, competition of the State Committee of Science (SCS MES RA) (#13-1F126), project participant</i>
2013	<i>Travel grant to attend International Congress of Immunology, Milan, Italy, awarded by the International Union for Immunological Societies (IUIS)-Gates Foundation</i>
2013	<i>Grant of “Searching for schizophrenia biomarkers among the genes of synaptic proteins” of the Armenian National Science and Education Fund (ANSEF), New York, USA, principal investigator</i>
2012	<i>Grant of “Travel Support Program-2011” to participate in “Genomic disorders: genomics of rare diseases” conference, provided by the National Foundation of Science and Advanced Technologies (NFSAT) (TSP 09/2012)</i>
2012	<i>Grant of the “Materials and Equipment Purchase Support-2012” program, competition of the National Foundation of Science and Advanced Technologies (NFSAT) and Armenian International Woman Association (AIWA), principal investigator</i>
2011-2013	<i>Grant of “Complexin-2 and annexin-a5 as potential biomarkers of cognitive dysfunction in psychiatric disorders: genetic polymorphisms, expression levels”, competition of the State Committee of Science (SCS MES RA) (#11-1f151), project participant</i>
2011	<i>Travel grant to participate in “FEBS Practical course on gene expression regulation and data integration” funded by FEBS, August 27 – September 3, 2011, Debrecen, Hungary</i>
2010	<i>Third prize at the Conference “Contribution of Young Scientists to Biotechnology”, 1-2 October, 2010</i>
2010	<i>Grant of “Immunogenetics of schizophrenia: single nucleotide polymorphisms of immune response related genes”, Early Careers Support Program (ECSP), competition of the National Foundation of Science and Advanced Technologies</i>

	<i>(NFSAT), the U.S. Civilian Research & Development Foundation and the State Committee of Science (SCS MES RA) (ECSP-09-70), principal investigator</i>
2009	<i>Grant of “Study of possible involvement of genetic polymorphisms of C-reactive protein and C1q component of the complement in pathogenesis of schizophrenia”, In-coming scholarship of the International Visegrad Fund (IVF) (#50910830), principal investigator</i>
Conferences and Workshops (with oral presentations mentioned):	
November 6-8, 2017	Second Pan-Armenian Scientific Forum, Yerevan, Armenia (oral presentation)
November 1-4, 2017	International scientific-practical conference “Genetics as a fundamental basis for innovations in medicine and selection”, Rostov-on-Don, Russia (oral presentation in section “Clinical medicine”)
November 5, 2017	International workshop “Boyajyan readings”, Yerevan, Armenia
October 11-13, 2017	Scientific Workshop on “DNA sequencing technologies and their application in practice”, Yerevan, Armenia
October 10-12, 2017	Second international conference “Women achievements in biological sciences”, Yerevan, Armenia (oral presentation)
September 8-11, 2017	EJI-EFIS summer school (SEEIS2017), Lviv, Ukraine (poster presentation and short talk)
June 18-22, 2017	13 th World Congress of Biological Psychiatry, Copenhagen, Denmark (poster presentation)
October 23, 2015	“SUAFRI Agri-food brokerage event and technology transfer” workshop, Yerevan, Armenia
1-3 October, 2015	Fifth international scientific-practical conference “Most up-to-date problems of biology, nanotechnology and medicine”, Rostov-on-Don, Russian Federation (oral presentation)
17-18 September, 2015	Horizon 2020 “Health, Demographic Change & Wellbeing” Health Partnering Day 2015 and Open Info Day
14-18 June, 2015	12 th World Congress of Biological Psychiatry, Athens, Greece (oral presentation)
3-5 October, 2013	Fifth International scientific conference “Actual problems of biology, nanotechnology and medicine”, Rostov-on-Don, Russia (oral presentation)
21-22 September, 2013	International Symposium on Neuroscience and Biological Psychiatry “Stress and Behavior”, Yerevan, Armenia (oral presentation)
29-31 August, 2013	World Psychiatric Association Thematic Conference “Mental Health and Mental Illness: Focusing on Eurasia”, Yerevan, Armenia (oral presentation)
22-27 August, 2013	15 th International Congress of Immunology, Milan, Italy
27-28 June, 2013	Young scientists' conference “New aspects in molecular biotechnology and biochemistry”, Yerevan, Armenia (oral presentation)
3-7 December, 2013	V International young scientists school in molecular genetics “Genome instability”, Moscow-Zvenigorod, Russia
26-29 September, 2012	International young scientists' conference “Perspectives for development of molecular and cellular biology-3”, Yerevan, Armenia (oral presentation)
12-15 September,	5 th Special conference of the International Society for Neurochemistry

2012	“Synapses and dendritic spines in health and disease”, Buenos Aires, Argentina (poster presentation)
11-14, September, 2012	10 th Joint Meeting of International Cytokine Society and International Society for Interferon and Cytokine Research “Cytokines-2012”, Geneva, Switzerland (poster presentation)
25-29 June, 2012	International conference on the postgenomic technology for biomedicine (PTB)-2012, Novosibirsk, Russia (poster presentation)
23-24 June, 2012	Young scientists’ school “Modern high-throughput technologies in nucleic acid sequencing”, Novosibirsk, Russia
April 30-May 1, 2012	“Capacity building innovation and technology transfer” workshop, organized by the Commercial law development program (USA) and the National Foundation of Science and Advanced Technologies (NFSAT), Yerevan, Armenia
21-24 March, 2012	Genomic disorders: the genomics of rare diseases 2012, Hinxton, Cambridge, UK (poster presentation)
18-20 November, 2011	First EFI training and educational meeting in Armenia, Yerevan, Armenia
3-7 October, 2011	Course on “Molecular and immunological bases of host-microbe interactions”, Yerevan, Armenia
27 August - 4 September, 2011	FEBS Practical course on gene expression regulation and data integration, Debrecen, Hungary (poster presentation)
4-7 May, 2011	25th European immunogenetics and histocompatibility conference, Prague, Czech Republic (poster presentation)
20-26 February, 2011	FEBS advanced lecture course “Trends in genetics: Genomic instability and pathways of response”, Yerevan, Armenia (poster presentation)
28 November - 3 December, 2010	IV International young scientists school on molecular genetics “Genomics and cell biology”, Moscow-Zvenigorod, Russia (poster presentation)
10-12 November, 2010	International young scientists’ conference “Perspectives for development of molecular and cellular biology II”, Yerevan, Armenia (oral presentation)
1-2 October, 2010	Conference of Biotechnological Armenian Association “Contribution of young scientists to biotechnology”, Yerevan, Armenia (oral presentation)
15-18 May, 2010	24th Immunogenetics and histocompatibility conference, Florence, Italy (poster presentation)
13-14 April, 2010	International congress of young scientists, Yerevan State Medical University, Yerevan, Armenia (oral presentation)
25-27 November, 2009	“Bioinformatics in genomic and proteomic data” workshop, Brno, Czech Republic
26-28 November, 2009	XII Czech conference of DNA diagnostics, Olomouc, Czech Republic (oral presentation)

Selected publications

Book chapters

1. Boyajyan A., Zakharyan R., Atshemyan S., Ghazaryan H. Chapter 5. “Biopsychology of schizophrenia: novel molecular genetic markers of cognitive dysfunction”. In: **Advances in Psychology Research** (Editor: A.M. Columbus), **Nova Science Publishers Inc.**, USA, 2015, v. 110, pp. 69-124. ISBN: 978-1-63482-629-7.
2. Boyajyan A., Zakharyan R., Khoyetsyan A. Chapter XI. Molecular and genetic indicators of aberrant immunity and apoptosis in schizophrenia In: **Schizophrenia research: Recent advances** (Editor: T. Sumiyoshi), **Nova Science Publishers Inc.**, USA, 2012, pp. 183-240.

Selected articles in international journals

1. Atshemyan S., Chavushyan A., Berberian N., Sahakyan A., Zakharyan R., Arakelyan A. Characterization of BRCA1/2 mutations in patients with family history of breast cancer in Armenia. **F1000Research** 2017. 6:29, 10.12688/f1000research.10434.1.
2. Boyajyan A.S., Atshemyan S.A., Zakharyan R.V. Association of schizophrenia with variations in genes encoding transcription factors. **Molecular Biology (Mosk.)** 2015, 49 (6):977-983.
3. Boyajyan A., Zakharyan R., Atshemyan S, Chavushyan A, Mkrtchyan G. Schizophrenia-associated risk and protective variants of c-Fos encoding gene. **Recent Advances in DNA and Gene Sequencing** 2015 (PMID: 25706621). DOI: 10.2174/2352092209666150223113334.
4. Zakharyan R., Atshemyan S., Gevorgyan A, Boyajyan A. Nerve growth factor and its receptor in schizophrenia. **Biochimica et Biophysica Acta Clinical (BBA Clinical)** 2014, 1:24-29, doi:10.1016/j.bbacli.2014.05.001.
5. Zakharyan R., Atshemyan S., Boyajyan A. Risk and protective effects of the complexin-2 gene and gene-environment interactions in schizophrenia. **Recent Advances in DNA and Gene Sequencing** 2014, 8(1):30-34.
6. Zakharyan R., Boyajyan A. Brain-derived neurotrophic factor blood levels are decreased in schizophrenia patients and associate with rs6265 genotypes. **Clinical Biochemistry** 2014, 47(12):1052-1055, doi: 10.1016/j.clinbiochem.2014.03.021.
7. Zakharyan R., Boyajyan A. Inflammatory cytokine network in schizophrenia. **World Journal of Biological Psychiatry** 2014, 15(3):174-187.
8. Arakelyan A., Zakharyan R., Hambardzumyan M., Petrкова J., Olsson M.C., Petrek M., Boyajyan A. Functional genetic polymorphisms of monocyte chemoattractant protein 1 and C-C chemokine receptor type 2 in ischemic stroke. **Journal of Interferon & Cytokine Research** 2014, 34(2):100-105, doi:10.1089/jir.2013.0030.
9. Stepanyan A., Zakharyan R., Boyajyan A. The netrin G1 gene rs628117 polymorphism is associated with ischemic stroke. **Neuroscience Letters** 2013, 549:74-77.
10. Zakharyan R., Petrek M., Arakelyan A., Mrazek F., Atshemyan S., Boyajyan A. Interleukin-6 promoter polymorphism and plasma levels in patients with schizophrenia. **Tissue Antigens** 2012, 80(2):136-142.

11. Zakharyan R., Boyajyan A., Arakelyan A., Melkumova M., Mrazek F., Petrek M. Monocyte chemoattractant protein-1 in schizophrenia: -2518A/G genetic variant and protein levels in Armenian population. **Cytokine** 2012, 58(3):351-354.
12. Zakharyan R., Khojetsyan A., Arakelyan A., Boyajyan A., Gevorgyan A., Stahelova A., Mrazek F., Petrek M. Association of C1QB gene polymorphism with schizophrenia in Armenian population. **BMC Medical Genetics** 2011, 12(1):126.
13. Arakelyan A., Zakharyan R., Khojetsyan A., Poghosyan D., Aroutiounian R., Mrazek F., Petrek M., Boyajyan A. Functional characterization of the complement receptor type 1 and its circulating ligands in patients with schizophrenia. **BMC Clinical Pathology** 2011, 11:10.
14. Zakharyan R., Boyajyan A., Arakelyan A., Gevorgyan A., Mrazek F., Petrek M. Functional variants of the genes involved in neurodevelopment and susceptibility to schizophrenia in Armenian population. **Human Immunology** 2011, 72(9):746-748.
15. Zakharyan R., Chavushyan A., Khojetsyan A., Stahelova A., Arakelyan A., Boyajyan A., Mrazek F., Petrek M. Genetic variants of the inflammatory C-reactive protein and schizophrenia in Armenian population: A pilot study. **International Journal of Immunogenetics** 2010, 37(5):407-410.

Selected articles in Armenia

1. Martirosyan G., Lyangasova O., Zakharyan R., Mashkina E., Shkurat T., Arakelyan A. Epidemiological study on the prevalence of urogenital infections in Armenia and Russia. **Biological Journal of Armenia** 2016, LXVIII, p.93-97.
2. Zakharyan R., Atshemyan S., Gevorgyan A., Boyajyan A. Synaptic plasticity regulating genes in schizophrenia. **Biological Journal of Armenia** 2013, 65 (Suppl. 1):150-152.
3. Atshemyan S., Zakharyan R., Nersisyan L., Arakelyan A., Boyajyan A. C-C chemokine receptor type 2 gene variant as a risk factor for schizophrenia. **Biological Journal of Armenia** 2013, 65 (Suppl.1):39-40.
4. Novoselova M., Linnik A., Sukhikh C., Prosekov A., Zakharyan R., Boyajyan A. Selection of universal primers for adulteration identification of apricot product. **Biological Journal of Armenia** 2013, 65 (Suppl. 1):120-121.
5. Zakharyan R.V., Boyajyan A.S. Neurotrophin family gene as potential target for schizophrenia. **Electronic Journal of Natural Sciences (NAS RA)** 2013; 2(21):82-86.
6. Захарян Р.В., Бояджян А.С., Геворгян А.П. Генетические полиморфизмы медиаторов иммунного ответа при шизофрении. **Вопросы теоретической и клинической медицины.** 2012, 15, 4(71):26-28.
7. Atshemyan S., Ghazaryan H., Zakharyan R., Boyajyan A. Proinflammatory cytokine blood levels and genetic variant in schizophrenia. **Vestnik RAU** 2011, 2:55-59.
8. Zakharyan R. Functional polymorphism in the interleukin-6 gene as a risk factor for schizophrenia in Armenian population. **Biological Journal of Armenia** 2010, 62 (Suppl 1):130-133.
9. Chavushyan A., Zakharyan R., Khojetsyan A. Protective effect of the complement component gene polymorphism in schizophrenia. **Biological Journal of Armenia** 2010, 62 (Suppl 1):24-27.

10. Zakharyan R. Single nucleotide polymorphism of the complement system C1q protein in schizophrenia. **Biological Journal of Armenia** 2010, 1(62):51-57.

Communications to scientific meetings abroad

1. Zakharyan R., Chavushyan A., Hayrapetyan V., Hovhannisyan A., Khachatryan Z., Yepiskoposyan L., Arakelyan A. Analysis of genetic variants associated with antipsychotic treatment efficacy in healthy Armenian individuals. **European Neuropsychopharmacology** 2017; 27, S656.
2. Stepanyan A., Tsakanova G., Zakharyan R., Simonyan A., Arakelyan A. Nerve growth factor and its receptor encoding genes in ischemic stroke. **FEBS Journal** 2017, 284, 241-241.
3. Atshemyan S., Telumyan E., Arakelyan A., Zakharyan R. No association between collapsin response mediator protein gene variations and schizophrenia. **European Neuropsychopharmacology** 27, S13-S14.
4. Zakharyan R., Arakelyan A. Sequencing of neurotrophic tyrosine receptor kinase 1 gene region in Armenian schizophrenia patients. Abstracts of the **EFIS-EJI South Eastern European Immunology School (SEEIS2017)**, Lviv, Ukraine, September 8-11, 2017, p.37.
5. Zakharyan R., Atshemyan S., Telumyan E., Chavushyan A., Arakelyan A. Schizophrenia and contributory genetic combinations in Armenians. **European Neuropsychopharmacology** 2016, 26: S169.
6. Atshemyan S., Telumyan E., Arakelyan A., Zakharyan R. Association of complexin-4 gene variants with schizophrenia. **European Neuropsychopharmacology** 2016, 26: S189.
7. Ghazaryan H., Zakharyan R., Petrek M., Arakelyan A. Annexin-A11 expression and its single nucleotide polymorphism (SNP) in schizophrenia. **European Neuropsychopharmacology** 2016, 26: S178-S179.
8. Zakharyan R., Stepanyan A., Avetyan D., Atshemyan S., Ghazaryan H., Hovhannisyan L., Mkrtychyan G., Chavushyan A., Tadevosyan K., Arakelyan A. Genetic markers of predisposition to complex diseases in Armenian population. Abstracts of the **6th Biennial Meeting of the Human Variome Project Consortium**, p.36. poster# POS06
9. Ghazaryan H., Zakharyan R., Stepanyan A., Petrek M., Arakelyan A. Genetic variations of complement factors in schizophrenia. **Eur. J. Immunol.** 2016. 46 (Suppl. 1): 547-548, DOI: 10.1002/eji.201670200
10. Hovhannisyan L., Zakharyan R., Arakelova E., Avetyan D., Mkrtychyan G., Boyajyan A. Tumor necrosis factor- α as an indicator of systemic low-grade inflammation in major brain disorders. **15th International TNF Conference**, Ghent, Belgium, 20-23 May 2015, p. 37.
11. Boyajyan A., Zakharyan R., Atshemyan S., Pirumyan K., Mkrtychyan G., Chavushyan A. Candidate genes for schizophrenia: focus on transcription factors. Abstracts of the 20th Biennial Meeting of the International Society for Developmental Neuroscience and the 5th Annual NeuroDevNet Brain Development conference “**Development, functions and disorders of the nervous system**”, July 19-24, 2014, Montreal Canada, published in: International Journal of

12. Ghazaryan H., Boyajyan A., Zakharyan R., Melkonyan A., Navratilova Z., Klevcova P., Petrek M. Schizophrenia is associated with over-expression of the interleukin-2 receptor gamma gene. Conference abstract: 15th International Congress of Immunology (ICI). published in: **Frontiers in Immunology** 2013, doi: 10.3389/conf.fimmu.2013.02.00380.
13. Ghazaryan H., Boyajyan A., Zakharyan R., Melkonyan A., Navratilova Z., Klevcova P., Petrek M. Schizophrenia is not associated with changes in blood expression levels of complement factors B, H and I. Conference abstract: 15th International Congress of Immunology (ICI). published in: **Frontiers in Immunology** 2013, doi: 10.3389/conf.fimmu.2013.02.00351.
14. Zakharyan R., Atshemyan S., Boyajyan A. Increased levels of IL-6, TNF-a, MIF, IL-8, and MCP-1 in schizophrenia. Conference abstract: 15th International Congress of Immunology (ICI). published in: **Frontiers in Immunology** 2013, doi: 10.3389/conf.fimmu.2013.02.00354.
15. Zakharyan R., Atshemyan S., Boyajyan A. Molecular biomarkers of schizophrenia: from biological signs to novel treatment targets. Abstracts of the **26th European College of Neuropsychopharmacology Congress**, Barcelona, Spain, October 5-9, 2013; published in
16. **European Neuropsychopharmacology**, 2013, 23 (Suppl. 2): S428, www.sciencedirect.com/science/article/pii/S0924977X13706771, P.3.a.011.
17. Zakharyan R., Atshemyan S., Boyajyan A. The role of neuroprotein in schizophrenia pathogenesis. Abstracts of **XXI World Congress of Neurology**, Vienna, Austria, September 21-26, 2013, published in: **Journal of the Neurological Sciences** 2013, 333:e335-e336,
18. Boyajyan A., Chavushyan A., Zakharyan R., Mkrtchyan G., Atshemyan S. Implication of genetic polymorphisms and changes in expression levels of proteins regulating neuronal plasticity and apoptosis in schizophrenia disorder. **European Psychiatry** 2013, 28 (Suppl. 1): 43. poster #: 394, [http://dx.doi.org/10.1016/S0924-9338\(13\)75755-9](http://dx.doi.org/10.1016/S0924-9338(13)75755-9).
19. Boyajyan A., Ghazaryan H., Stepanyan A., Zakharyan R. Genetic polymorphisms of complement factor H in schizophrenia and ischemic stroke. Abstracts of the XIV European
20. Meeting on Complement in Human Disease, Jena, Germany, August 17-21, 2013; published in **Molecular Immunology** 2013, 56(3):294.
21. Zakharyan R., Atshemyan S., Boyajyan A. Altered levels of cytokine in schizophrenia. **Cytokine** 2012, 59(3):572-573.
22. Chavushyan A., Zakharyan R., Tsakanova G., Boyajyan A. Annexin-V-1C/T apoptotic marker as a risk factor for schizophrenia. **Journal of Neurochemistry** 2012, 122(Suppl. 1):31.
23. Zakharyan R., Arakelyan A., Atshemyan S., Boyajyan A. Role of chemokine gene variants in the pathogenesis of schizophrenia. Proceedings of “**Genomic disorders: the genomics of rare diseases 2012**” conference, 2012, Hinxton, Cambridge, UK, Abstract book, p. 59.
24. Zakharyan R.V., Boyajyan A.S. New candidate genes for schizophrenia disorder. Proceedings of **International conference on the postgenomic technology for biomedicine-2012**, Novosibirsk, Russia, Abstract book, p. 138.
25. Zakharyan R., Boyajyan A., Arakelyan A., Mrazek F., Petrek M. The BDNF genetic variant as a risk factor for schizophrenia in Armenian population. Proceedings of the **25th European**

- immunogenetics and histocompatibility conference**, 2011, Prague, Czech Republic. Abstracts in **Tissue Antigens** 2011, 77:493.
26. Zakharyan R., Atshemyan S. Contribution of the complement receptor type-1 in the pathogenesis of schizophrenia in Armenian population. Abstract book of “**Practical course on gene expression regulation and data integration**”, 2011, Debrecen, Hungary, p. 35.
 27. Zakharyan R., Khoyetsyan A, Chavushyan A, Navratilova Z, Arakelyan A, Boyajyan A, Mrazek F, Petrek M. Monocyte Chemoattractant Protein-1-2518A/G Gene Polymorphism is Associated with Schizophrenia in the Armenian Population. Abstracts 24th European Immunogenetics and Histocompatibility Conference & 17th Italian Society for Immunogenetics and Transplantation Biology Meeting , Florence, Italy, 15-18 May, 2010, published in **Tissue Antigens Immune Response Genetics**, 2010, 75, 5, P338, 628.
 28. Захарян Р.В., Погосян Д.А., Аракелян А.А., Бояджян А.С. Цитогенетическое исследование рецептора комплемента типа 1 (CR1) при шизофрении. Тезисы докладов IV Международной школы молодых ученых по молекулярной генетике “**Геномика и биология клетки**”, 2010, Москва-Звенигород, с. 90-92.
 29. Чавушян А.С., Захарян Р.В., Хоецян А.Г., Аракелян А.А., Бояджян А.С. Однонуклеотидные полиморфизмы гена С-реактивного белка при шизофрении. Тезисы докладов IV Международной школы молодых ученых по молекулярной генетике “**Геномика и биология клетки**”, 2010, Москва-Звенигород, с. 214-215.
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