

CURRICULUM VITAE

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Surname **Davtyan** First name(s) **Tigran**

Affiliation and official address

Rhea Pharmaceutical Armenia LLC
Armenia, 0084, Yerevan
Gusan Sherami St., 2 Building
(Malatia-Sebastia adm. district)
Republic of Armenia
Tel.: (+374-) 91 400994, 98-55-96-29
E-mail: tigdav@yandex.ru
rhea.armenia@gmail.com

Present Positions: Professor, Chief Scientist
Rhea Pharmaceutical Armenia LLC

Home address: Michurin str. 5, 23, 375041, Yerevan, Republic of Armenia.
Tel: +374 10 55-96-29

Date and Place of birth: 1 December, 1966, Yerevan, Armenia
Nationality: Armenian
Citizenship: Republic of Armenia
Passport ARM, AH0248176, 24 OCT 2006, 009
ID № 1112660259

Marital status: Married, has 2 children, 3 grandchild

Education (*degrees, dates, universities*)

2016 Professor. Field: Biology
2003 Doctor of Biological Sciences (ScD). Field: Molecular Biology
1993 Candidate of Biological Sciences (Ph.D); Field :Genetics and Immunology
1989-1992 Ph.D. student, Laboratory of Genetic Mechanisms of Cell Malignization And Differentiation, Institute of Cytology, St. Petersburg, Russia.
1983-1988 Yerevan State Medical University, Faculty of Pharmacy

Specialization (*specify*) Drug Design and quality control, HIV/AIDS and clinical immunology;
Viral infections; immunity and stress resistance;
Molecular mechanisms and Genetic regulation of innate immune response; Autoinflammation;

Career/Employment (*employers, positions and dates*)

2011- 2019	Director of Analytical Laboratory of Scientific Centre of Drug and Medical Thechnology Expertise JSC
1999 - 2011	Head of HIV-Clinical Trail Laboratory of the ARMENICUM Research Center, Yerevan, Rep. of Armenia.
1998 - 2006	Consultant on Science, Laboratory of Immunology, The Second Clinical Hospital of the Yerevan State Medical University, Rep. of Armenia.
1998 - 2016	Senior Research Scientist, Laboratory of Neurohormones Biochemistry, H. Buniatian Institute of Biochemistry, Natl. Acad. Sci. of Armenia.
2002 2005	Teaching Assistant in the Department of Diagnostics, National Institute of Health, Ministry of Health of the Republic of Armenia
1988- 2017	Senior Researcher, Laboratory of Immunology, Institute of Epidemiology, Ministry of Health.of the Republic of Armenia
1989- 1992	Research Scientist, Laboratory of Genetic Mechanisms of Cell Malignization and Differentiation, Institute of Cytology, St. Petersburg, Russia.
1988 1989	Senior technician in the Laboratory of Molecular and Cellular Immunology, Institute of Molecular Biology, Natl. Acad. Sci. of the Rep. of Armenia.

Molecular and Cell biology techniques employed:

Blood separation/storage, Fluorescence activated cell sorter (FACS) analysis
Magnetic cell sorting, Tissue culture and preparation of HIV stocks, Antivira
and antibacterial compounds testing, ELISA for autoantibody, HIV, HCV,
hormons, cytokins assays, Fusion experiments to for monoclonal antibody
producing hybridomas, Western Blotting, Restriction of DNA and subsequent
purification, Polymerase chain reaction (PCR), Gel electrophoresis (PAGE,
SDS, Agarose), Human monoclonal antibodies, HPLC, GC.

Training Experience

October 2004, Yerevan, Rep. of Armenia, HIV-Workshop;
September 2001, Yerevan, Armenia, HIV-Workshoop;
October 2001, Sochi, Russia, Clinical immunology and allergology;
July, 2000, Moscow, FACSCalibur Immunocytometry Systems;
March, 2000, Mannheim, Cobas AmplicorTM/AmplilinkTM ;

International Activity

September-December, 2002, under the supervision of the “Armenicum” Joint
Stocks Company, Treatment Mission of HIV/AIDS patients in Congo
Democratic Republic, Kinshasa, Sub Saharan Africa.

January-February, 2005, under the supervision of the “Armenicum” Joint
Stocks Company, Treatment Mission of HIV/AIDS patients in India, New
Delhi.

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Membership of Professional Societies Armenian Society for Immunology
Armenian Association of Biochemists, affiliated to FEBS
Armenian Society for Pathophysiology

Grants & Awards

2004-2006 Grant No A-1124 from the International Science and Technology Centre (ISTC)

2005-2006 One time Planning/Development Grant No OPD- 69499 from the CIHR IRSC, Canada program

2005-2007 Grant No ARP2-2647-YE-05 from the Civilian Research and Development Found (CRDF).

2006 Grant 05-NS-hubio-0720-140, Armenian Science and Education Found (ANSEF)

2007 Grant 503-NS-hubio, Armenian Science and Education Found (ANSEF)

2008-2010 Grant No A-1580 from the International Science and Technology Centre (ISTC)

2008-2010 Grant No A-1701 from the International Science and Technology Centre (ISTC).

2013 ” Highly Effective Scientist 2013” State committee of Science, Ministry of Education and Science.

2015” Highly Effective Scientist 2015” State committee of Science, Ministry of Education and Science

Languages known: **Fluent in Armenian, Russian, English**

Publications

Papers

1. **T. K. Davtyan, B. Ch. Nisman, Yu. T. Alexanyan, T. N. Ignatova. (1991)**. About of possibility of producing the human monoclonal antibody by immunization of human peripheral blood lymphocytes in vitro. **Biol. J. Armenia**, V. 44, N2, P. 115.
2. **T. K. Davtyan, B. Ch. Nisman, Yu. T. Alexanyan, T. N. Ignatova. (1991)**. The action of L-leucine methyl ester on the functional activity of human peripheral blood lymphocytes in vitro. **Biol. J. Armenia**. V.44, N3, P.235.

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3. **T. K. Davtyan, G. I. Blinova, Yu. T. Alexanyan, T. N. Ignatova (1991)**. Induction of long-term proliferation of normal human lymphocytes by co-cultivation with ethyidium bromid resistant L929 lines of mouse transformed fibroblasts. **Biol. J. Armenia**. V.44, N2, P. 155.
4. **M. B. Melixetyan, T. K. Davtyan, E. V. Beryozkina, T. N. Ignatova, Yu. T. Alexanyan (1991)**. About of action of adriamycin and ethyidium bromide on the antibody production by mouse B-cell hybridomas. **Biol. J. Armenia**. V.44, N2, P.120.
5. **Yu. T. Alexanyan, T. K. Davtyan (1991)**. The problems with producing human monoclonal antibodies. **Immunologia**. N3, P. 10.
6. **T. K. Davtyan, M. B. Melixetyan, T. N. Ignatova, Yu. T. Alexanyan (1993)**. Adaptive response of B-cells to cytotoxic drugs in culture. 1. Adriamycin and ethyidium bromide stimulated synthesis and secretion of immunoglobulins by hybridomas and lymphocytes. **Tsitologia** . V.35, N4, P.54 .
7. **T. K. Davtyan, M. B. Melixetyan, T. N. Ignatova, Yu. T. Alexanyan (1993)**. Adaptive response of B-cells to cytotoxic drugs in culture. 2. The Interactions of adriamycin and ethyidium bromide with immunoglobulin molecules. **Tsitologia** . V. 35, N 6/7, P. 91.
8. **M. B. Melixetyan, T. K. Davtyan, T. N. Ignatova, Yu. T. Alexanyan (1993)**. Adaptive response of B-cells to cytotoxic drugs in culture. 3. Possible mechanism of adriamycin action on immunoglobulin production by mouse hybridoma cells. **Tsitologia** . V. 35, N 6/7, P.98.
9. **T. K. Davtyan, T. B. Smirnova, Yu. T. Alexanyan, T. N. Ignatova, M. B. Melixetyan, (1993)**. The interaction of cultivated human peripheral blood lymphocytes with mouse transformed fibroblasts. **Immunologia**. N3, P.17.
10. **T. K. Davtyan, G. I. Blinova, Yu. T. Alexanyan, T. N. Ignatova, M. B. Melixetyan (1993)**. The interaction of human natural killer cells with the K562 target multi-drug resistant and termotolerant cells. **Bull. Exp. Biol. Med.** V.116, N12, P.616 .
11. **T. K. Davtyan, M. B. Melixetyan, T. N. Ignatova, Yu. T. Alexanyan (1993)**. Induction of immune response of human lymphocytes in culture under the action of cytotoxic drugs. **Biol. J. Armenia**. V.46, N2, P.25.
12. **T. K. Davtyan, Yu. T. Alexanyan, T. M. Grinchuk, T. N. Ignatova, M. B. Melixetyan, E. A. Sorokina (1994)** . Immunization of human lymphocytes in culture (in vitro) and production of human monoclonal antibody secreting hybridomas. **Immunologia**. N5, P.33.
13. **S.S.Gambarov, A. V. Guyikhandanyan, K. G. Nahapetyan, R. M. Tanashyan, T. K. Davtyan, K. M. Markossyan (1995)**. K^+ / H^+ -exchange in human peripheral blood lymphocytes and action of surgical operation. **Surgery J. Armenia**. N2, P. 56.
14. **S.S.Gambarov, A. V. Guyikhandanyan, K. M. Markossyan, K. G. Nahapetyan, S. S. Haroutyunyan, A. V. Hakopyan, R. M. Tanashyan, T. K. Davtyan (1995)**. The coupled transport of Ca^{+2} , K^+ and H^+ ions in human lymphocytes. **Med Sci Armenia** V 35, N1-2, P.66.
15. **S.S.Gambarov, A. V. Guyikhandanyan, T. K. Davtyan, K. G. Nahapetyan, A. V. Hakopyan, (1996)**. The coupled transport of Ca^{+2} , K^+ and H^+ ions in human lymphocytes. **Immunologia**. N5, P. 19.
16. **T. K. Davtyan, A. V. Guyikhandanyan, S. S.Gambarov, Yu. T. Alexanyan, T. N. Ignatova (1996)**. The action of adriamycin and ethyidium bromide on Ca^{+2} dependent K^+ channels of human erythrocytes. **Tsitologia**, V38, N2, P. 135.
17. **T. K. Davtyan, A. V. Guyikhandanyan, S.S.Gambarov, L. A. Avnessian, Yu. T. Alexanyan (1996)**. The effects of adriamycin and adriamycin complexes with transitional metals on Ca^{+2} dependent K^+ channels of human erythrocytes. **Biochim. Biophys. Acta**, V.1297, P 182.

18. **M.B.Melixsetian, T.K. Davtyan, I.V.Chirkowa, Yu.T. Alexanyan, T.N.Ignatova (1997).** Alterations in immunoglobulin synthesis during adriamycin-induced apoptosis in mouse hybridoma cells. **Cell Biology International**, V. 21, N 2, P.69.
19. **T.K. Davtyan, E.B. Muradyan, L.A. Avanesian, Yu.T. Alexanyan, H.H. Petrossyan, A.A. Galoyan (1998).** The influence of biologically active hypothalamic polypeptides on Interleukin-2-dependent functions of human lymphocytes in culture. **Neirokhimiya**, V. 12, N1, P.45.
20. **G.G. Oganezova, T.K. Davtyan (1998).** Cactuses - new parasites for human? **Chimaia I Jhizn** V. 21, P 26.
21. **A.E. Parsyan, H.V. Saruchkanyan, T.K. Davtyan, Yu.T. Alexanyan (1998).** Immunological abnormalities in patients with follicular nontoxic endemic thyreoditis. **Surgery J. Armenia**. N1(18), P 60
22. **T.K. Davtyan, A.K. Shukuryan, G.L. Khandanyan, H.H. Petrossyan, N.V. Gevorkyan, Yu.T. Alexanyan (1999).** Immunological features of patients with polypus ethmoiditis. **Vestnik Otorinolaringologi**, N2, P.15.
23. **T.K. Davtyan, L.A. Avanesian, V.Z. Ghukasyan, Yu.T. Alexanyan (1999).** The effects of adriamycin and adriamycin complexes with transitional metals on human lymphocytes immune response induction in culture. **Bull. Exp. Biol. Med.** V.128, N7, P.60.
24. **L.A. Avanesian, T.K. Davtyan, Yu.T. Alexanyan (1999).** Membranotropic effects of adriamycin and its complexes with Fe^{3+} , Cu^{2+} and Co^{2+} . **Biol. J. Armenia**. V.52, N2, P.95.
25. **Yu.T. Alexanyan, T.K. Davtyan, V.M. Harutunyan, G.S. Hakopyan (1999).** The Role of Superantigens in regulation of inflammation and regional immune response in FMF. **Immunologia**. N2, P. 9.
26. **T.K. Davtyan, G.G. Oganezova, H.H. Petrossian, Yu.T. Alexanyan, G.S. Hakopyan (1999).** Immunological, clinical and morphological aspects of parasitic growth of cactus cells in human body. **Vestnik MANEB** N 7, P 173.
27. **T.K. Davtyan, A.K. Shukuryan, G.L. Khandanyan, N.V. Gevorkyan, Yu.T. Alexanyan (1999).** Regional and general immunological abnormalities in pathogenesis of nasal polyposis. **Voprosi Teorticheskoy I Clinicheskoy Medicini**. N3(10), P.19.
28. **T.K. Davtyan, L.A. Avanesian, D.A. Pogosyan, Yu.T. Alexanyan (2000).** Immunoglobulin-binding activity of adriamycin and its complexes with transitional metal ions. **Immunologia** . N4, P. 28.
29. **T.K. Davtyan (2000).** Antitumor activity of adriamycin and its complexes with transitional metal ions. **Medical Sci. Armenia** V 40, N2, P.28.
30. **T.K. Davtyan, L.A. Avanesian (2001).** Adaptive response of immune cells. **Usprchi Sovremenoj Biologii**. V.121, N3, P.275.
31. **T.K. Davtyan, Zh.G.Iskandaryan, A.A. Galoyan (2002).** Viral modulation of cytokine and chemokine network activity. **Neirokhimiya**. V.19, N1, P.8.
32. **T. Davtyan, L.M. Mkhitarayan (2002).** HIV-infection and brain function (neuroimmune humoral regulation). **Neirokhimiya**. V. 19, N3, p.219.
33. **A.Panossian, T.Davtyan, N.Gukassyan, G.Gukasova, G.Mamikonyan E. Gabrielian, G.Wikman. (2002).** Effect of Andrographolide and Kan Jang -fixed combination of extract SHA-10 and SHE-3 - on proliferation of human lymphocytes, production of cytokines and immune activation markers in the whole blood cells culture. **Phytomedicine**, vol.9, p. 598.

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34. **T.K. Davtyan, Zh.G.Iskandaryan, A.A. Galoyan (2004).** Apoptosis: Modulation by viruses. **Neurochimia.** V.21, N3, P.165.
35. **T.K. Davtyan, S.A Avetisyan, G.S. Hakopyan, A.M. Manukyan, D.A. Poghosyan (2004).** Flow cytometry of the phagocytosis and granulocytes and monocytes at familial Mediterranean fever. **Medical Sci. Armenia** V 44, N4, P.44-49.
36. **T.K. Davtyan, I. S. Hakobyan, H. A. Manukyan, S. A. Avetisyan, E. S. Gabrielyan (2004).** "Phagocytosis and Oxidative Burst down-modulation by potent microbicide lithium-iodophore." **Electronic Journal of NATURAL SCIENCES, 2(3) P22.**
37. **T. K. Davtyan, G. A. Gevorkyan, D. A. Pogosyan (2005).** Evolution of Integrative Function of Immune System. 1. Evolutionary Development of Immune System. **Usprchi Sovremenoj Biologii.** V.125, N1, P.34.
38. **T. K. Davtyan, G. A. Kevorkyan, D. A. Pogosyan (2005).**Evolution of Integrative Function of Immune System. 2. Molecular Evolution of Antigen-recognizing receptors. **Usprchi Sovremenoj Biologii.** V.125, N2, P.151.
39. **T. K. Davtyan, S.A. Avetisyan, G.S. Hakobyan, H. A. Manukyan, D.A. Poghosyan, N. H. Seferian (2005).** Granulocytes and Monocytes Phagocytosis in Patients with Familial Mediterranean fever. In vitro Pharmacological modulation. **Electronic Journal of NATURAL SCIENCES 1(4) P25-33.**
40. **T. K. Davtyan, H. M Manukyan, G. S. Hakopyan, N. R Mkrtychyan, S. A Avetisyan, A. A. Galoyan. (2005)** Hypothalamic Proline-Rich Polypeptide is an Oxidative Burst Regulator. **Neurochemical research** Vol. 30, No. 3, March, pp. 297–309.
41. **T. K. Davtyan, Manukyan HM, Hakobyan GS, Mkrtychyan NR, Avetisyan SA, Galoyan AA (2005).** Hypothalamic proline-rich polypeptide is a regulator of oxidative burst in human neutrophils and monocytes. **NeuroImmunoModulation** 12: 270-284
42. Avetisyan SA, Hakobyan VP, **Davtyan TK. (2005).**The iodophore (iodine-lithium- α -dextrin) modulation of the action of sodium thiosulfate on the respiratory burst of granulocytes and monocytes in patients with familial Mediterranean fever. **Med Sci Armenia** 45: 2: 3-9
43. Avetisyan SA, Hakobyan VP, **Davtyan TK. (2005).** The effect of colchicine and iodine-lithium- α -dextrin on the phagocytosis of granulocytes and monocytes in patients with familial Mediterranean fever. **Exp Klin Pharm** 68: 5: 36-39.
44. Hakobyan VP, Avetisyan SA, **Davtyan TK. (2005).** The effect of colchicines on the spontaneous and induced respiratory burst of granulocytes and monocytes in patients with familial Mediterranean fever. **Exp Klin Pharm** 68: 6: 40-43.
45. **T. K. Davtyan.,** Avetisyan SA, Hakobyan GS, Haruthunyan VM (2005). A respiratory splash of monocytes and neutrophils in Familial Mediterranean fever. **Ter Arkh** 77: 12: 39-43.
46. **T. K. Davtyan,** Mkrtychyan NR, Manukyan HM, Avetisyan SA (2006). Dexamethasone, colchicine and iodine-lithium-a-dextrin act differentially on the oxidative burst and endotoxin tolerance induction in vitro in patients with Behcet's disease. **International Immunopharmacology** 6: 396-407.
47. **T. K. Davtyan,** Avetisyan SA, Hakopyan GS, Galoyan AA. (2006). Hypothalamic proline-rich polypeptide down-regulates LFA-1(CD11a/CD18) integrin expression on human neutrophils. **Neirokhimiya** 23, 77–81.
48. Avetisyan SA, Hakobyan GS, **Davtyan TK. (2006).** Modulation of endotoxin-induced respiratory splash of granulocytes and monocytes in patients with familial Mediterranean fever by iodine-lithium- α -dextrin and sodium thiosulfate. **Patol Fiziol Eksp Ter** 1: 11-13.

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49. Avetisyan SA, **Davtyan TK.**, Hakobyan GS (2006). The pathogenesis of periodic febrile syndromes: autoinflammation and innate immunity. **Med Sci Armenia** 46: 1: 10-16
50. **T. K. Davtyan**, Hakobyan GS, Avetisyan SA, Mkrtchyan NR. (2006). Impaired endotoxine tolerance induction in patients with familial Mediterranean fever. **Pathobiology** 73; 26-39.
51. N.M. Gyulazyan, **T.K.Davtyan**, S.G. Pak (2006). Lipopolysaccharide-induced apoptosis of peripheral granulocytes in patients with prior salmonella infection. **Klin Lab Diag** 8 P25-28.
52. A.C. Serobyan, **T.K. Davtyan**, A.K. Shukuryan. Antigen-specific humoral immune response induction against pathogenic bacteria antigens in chronic decomposed tonsillitis (2006). **Med Sci Armenia** 46: 3: 66-71.
53. Avetisyan SA, **Davtyan TK**, Akopian GS, Manukian AM, Pogolian DA. (2006). Spontaneous and inducible respiratory burst of monocytes and neutrophils in periodic autoinflammatory fever. **Patol Fiziol Eksp Ter. (4):11-2**.
54. **T. K. Davtyan**, G. A. Kevorkyan, D. A. Poghosyan (2007). The origin and factors of the immune system evolution **Usprchi Sovremenoj Biologii, v. 127, N1, P. 5-12**
55. **Tigran K. Davtyan**, Isabelle S. Hakobyan, Rafael E. Muradyan, Hrachya G. Hovhannisyan and Emil S. Gabrielyan (2007). Evaluation of amino acids as mediators for the antibacterial activity of iodine-lithium- α -dextrin in vitro and in vivo. **Journal of Antimicrobial Chemotherapy** 59(6):1114-22
56. Mkhitarian LM, **Davtyan TK**, Gabrielyan ES, Gevorkyanyan LA (2007). Anti-HIV and anti-inflammatory action of iodine-lithium- α -dextrin is accompanied by the improved quality of life in AIDS patients. **International Journal of Biotechnology**, V.9, N3/4, P301-317.
57. Galoyan AA, Krieglstein J, Klumpp S, Danielian KE, Galoian KA, Kremers W, Bezirganyan KB, **Davtyan TK**. (2007). Effect of Hypothalamic Proline-Rich Peptide (PRP-1) on Neuronal and Bone Marrow Cell Apoptosis. **Neurochem Res.V 32, N11, P1898-1905**.
58. Giulazian NM, **Davtyan TK**, Pak SG. (2007) Differential sensitivity of peripheral blood granulocytes, monocytes, and lymphocytes to endotoxin-induced apoptosis in patients who have sustained Salmonella infection. **Klin Lab Diagn. (2):20-3**.
59. **Davtyan TK**, Hakobyan GS, Avetisyan SA, Harutyunyan VA. (2008) Engaging anti-inflammatory mechanisms and triggering inflammatory effectors apoptosis during Familial Mediterranean fever attack **Inflammation Research V.57, P. 65-74**.
60. **Davtyan TK**, Harutyunyan VA, Hakobyan GS, Avetisyan SA (2008). Heightened endotoxin susceptibility of monocytes and neutrophils during Familial Mediterranean fever. **FEMS Immunology and Medical Microbiology V. 52, P. 370-378**.
61. Galoyan AA, Korochkin LI, Rybalkina EJ, Pavlova GV, Saburina IN, Zaraiski EI, Galoyan NA, **Davtyan TK**, Bezirganyan KB, Revishchin AV (2008). Hypothalamic proline-rich polypeptide enhances bone marrow colony-forming cell proliferation and stromal progenitor cell differentiation. **Cell Transplantation V.17 N 9:1061-1066**.
62. **Davtyan TK**, Mkhitarian LM. Gabrielyan ES. (2009). Design of Iodine-Lithium- α -Dextrin Liquid Crystal with Potent Antimicrobial and Anti-Inflammatory Properties **Current Pharmaceutical Design** 15(11):1172-86.
63. **Davtyan TK**, Hovsepyan MP, Mkhitarian LM, Hakobyan GS, Brazil A, Barrett L, Hirsch G, Peltekian KM, Grant MD. The 1F7 idiotype is selectively expressed on CD5 (+) B cells and elevated in chronic hepatitis C virus infection. *Immunol Cell Biol.* 2009 . 87; 457-463.
64. Bezirganyan K.B, **Davtyan T.K.**, Galoyan A.A. (2010). Hypothalamic proline rich polypeptide regulates hematopoiesis. **Neurochem Res. V 35, N6, P917-924**

65. **Davtyan T.K.**, Hovakimyan A.V., Djodyan G. T (2010). Functional activity and subpopulation profile of . lymphocytes in anterior eye camera during endogenous uveitis. **Russian Ophthalmology J.** V.3, N4, P49-53.
66. Kirakosova A.S., Abrahamyan S.S, Tumasyan N.V., **Davtyan T.K.**, Khachatryan A.R., Galoyan A.A. The Hypothalamic Proline-Rich Polypeptide-1 (Galarmin) and its Analogue d-15 are the Inhibitors of Protein Tyrosine Kinase Activity at Cyclophosphamide-Induced Lymphocytopenia. **Neurochemical Research** DOI: 10.1007/s11064-011-0579-y
67. **Davtyan T. K.**, Avetisyan S. A., Hakobyan G. S. Mutations in *MEFV* cause alterations in neutrophil F-actin and phagocytosis dynamics. **Biopolymers and Cell.** 2011. Vol. **27.** N **5.** P **354-357.**
68. **Davtyan T.K.**, Avetisyan S. A., Hakobyan G. S. Neutrophil F-actin Dynamics in Familial Mediterranean Fever: The Unequal Effect of Colchicine on Activated Neutrophils. **Anti-Inflammatory & Anti-Allergy Agents in Medicinal Chemistry**, 2013, Vol. 12, No. 2
69. **Davtyan T.K.**, Poghosyan DA, Sukiasyan AG, and Grant MD. The anti-idiotypic antibody 1F7 stimulates monocyte interleukin-10 production and induces endotoxin tolerance. **Journal of Inflammation** **2013, 10:14**
70. Melikyan L.A., Martirosyan S.S., Grigoryan R.S., Topchyan H.V. **Davtyan T.K.** Development and validation of HPLC method for the determination of Metronidazole benzoate and related impurities in bulk and pharmaceutical formulations **International Journal of Pharmaceutical Sciences and Research.**2013; Vol. 4(7): 2594-2599.
71. Abrahamyan S.S., **Davtyan T.K.**, Khachatryan A.R., Tumasyan N.V., Sahakyan I K., Harutyunyan H. A., Chailyan S.G., Galoyan A. A. Quantification of the Hypothalamic Proline Rich Polypeptide-1 in Rat Blood Serum. **Neurochemical Journal**, **2014**, Vol. 8, No. 1, pp. 38–43.
72. **Tigran K. Davtyan**, Gagik S. Hakobyan, Samvel A. Avetisyan, Anna G. Sukiasyan and Yuri T. Aleksanyan. Diminished IL-10 production is Associated with Impaired Versatility of Monocytes in Familial Mediterranean Fever. *J Clin Cell Immunol* **2014, 5:2** <http://dx.doi.org/10.4172/2155-9899.1000196>
73. Levon A. Melikyan, Rosa S. Grigoryan & **Tigran K. Davtyan**. Development and Validation of RP-HPLC Method for Simultaneous Determination of Guaifenesin Impurities in Multi Drug Combinations. **Global Journal of Medical research: B Pharma, Drug Discovery, Toxicology and Medicine** **2014**, Volume 14 Issue 2 **2 Version P 26-34.**
74. Gayane Manukyan, Rustam Aminov, Gagik Hakobyan and **Tigran Davtyan**. Accelerated apoptosis of neutrophils in familial Mediterranean fever. **Front. Immunol**, **2015**, Volume 6, Article 239. doi: 10.3389/fimmu.2015.00239. <http://dx.doi.org/10.3389/fimmu.2015.00239>
75. **Tigran K. Davtyan**, Levon A. Melikyan, Nune A. Nikoyan, Hripsime P. Aleksanyan, and Nairi G. Grigoryan. Development and Validation of Simple RP-HPLC Method for Intracellular Determination of Fluconazole Concentration and Its Application to the Study of *Candida albicans* Azole Resistance. **International Journal of Analytical Chemistry**, Volume **2015**, Article ID 576250, <http://dx.doi.org/10.1155/2015/576250>
76. **Galina V. Volodina, Tigran K. Davtyan, Murat E. Kulmanov, Ardak B. Dzhumagazieva, Sholpan K. Tursunova, Assima O. Abekova, Indira E. Bishimova, Zhansaya S. Abramova, Roza T. Kenzhebekova, Sabina G. Murzageldinova, Ilya S. Korotetskiy and Alexander I. Ilin.** The Effect of Antibiotic-Resistant and Sensitive Escherichia coli on the Production of Pro-Inflammatory Cytokine Response by Human Peripheral Blood Mononuclear Cells. **J Clin Cell Immunol** 2017, 8:5 DOI: 10.4172/2155-9899.1000522

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77. Galoian K, Abrahamyan S , Chailyan G Qureshi A, Patel P, Metser G. Moran A, Lee A, **Davtyan T**, Chailyan S. Toll like receptors TLR1/2, TLR6 and MUC5B as binding interaction partners with cytostatic proline rich polypeptide 1 in human chondrosarcoma. **International Journal of Oncology** (Spandidos publications) Epub ahead of print, 52(1):139-154, 2018
78. Henning J. Drews Konstantin Yenkovyan, **Davtyan T** et al. Intranasal Losartan Decreases Perivascular Beta Amyloid, Inflammation, and the Decline of Neurogenesis in Hypertensive Rats **Neurotherapeutics** 2019, <https://doi.org/10.1007/s13311-019-00723-6>
79. S.ABRAHAMYAN, I. SAHAKYAN¹, N. TUMASYAN, N. KOCHARYAN, A. SIMONYAN, R. AROUTIOUNIAN, G. CHAILYAN, S. CHAILYAN¹, **T. DAVTYAN** and K. GALOIAN. Morpho-functional study of the hypothalamic proline-rich polypeptide apoptotic activity against mouse Ehrlich ascites carcinoma. **ONCOLOGY REPORTS** 44: 196-212, 2020

Books and Chapters in Books

1. **T. K. Davtyan**, (1993) "Induction of Immune Response of Human Lymphocytes in vitro". Ph. D. Thesis, Yerevan, Rep. of Armenia, 163 pages.
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