

Curriculum vitae

Name: Soheila Ajdary

Date of Birth: April 1964

Place of Birth: Mahabad-Iran

Position: Associate Professor, Head of Immunology Department

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Education:

- Ph.D of immunology 1994-1999. School of public Health, Tehran University of Medical Sciences
- Doctorate in Medical Laboratory Sciences (Medical Technology) 1985-1991 Medicine Faculty, University of Medical Sciences of Tehran
- Associate degree in Medical Laboratory Sciences 1983-1985 Iran University of Medical Sciences

Teaching:

- Ph.D course in Molecular Immunology, 2001-present
- Ph.D course in Immunology of infectious diseases, 2011
- Ph.D course in Advance Immunology, 1999- present
- M.Sc course in Basic Immunology, 1999- present
- M.Sc course in Immunology of infectious diseases, 1999- present
- M.Sc course in practical immunology, 1994
- Advanced bacteriology for M.Sc bacteriology students, 1995
- Medical bacteriology for M.Sc bacteriology students, 1995
- Contribution in conducting the first workshop on the serological tests for diagnosis of infectious disease, 1992

Training and workshops attended:

- Research Training Course awarded by UNDP/World Bank/WHO, Nine months training and

research at National University Hospital Copenhagen-Denmark Nov 1997-Jul 1998

- Methods in Molecular biology, Pasteur Institute of Iran, Tehran-Iran March 1995
- In vitro mRNA translation and protein synthesis, National Center of Genetic Engineering and Biotechnology, Tehran-Iran Jan 1995
- Development of protocols for vaccine efficacy trials against leishmaniasis, Organized by TDR-WHO Dizin-Iran October 1993
- Training course in immunology and Molecular Biology of Infectious Diseases. Conducted by WHO expert scientists

Technical skills: Expert in the followings:

- Performing all diagnostic laboratory tests
- Immunoelectrophoresis and gel diffusion
- SDS-PAGE and western blotting
- ELISA and Immunofluorescent techniques
- HLA-typing (serologically, molecular typing)
- cell culture methods
- T cell proliferation assay
- Flow cytometric analysis (cell cycle analysis, Apoptosis, surface cell marker analysis, Intracellular cytokine assay)
- PCR and RT-PCR
- Real time PCR
- Gene cloning and gene expression
- Phagocytosis evaluation (NBT reduction test, Opsonisation and intracellular killing)
- SNP detection methods (SSCP, ARMS-PCR, RFLP)
- Statistical Analysis

Projects undertaken:

- Cloning and expression of PpSP42+LmSTII fusion protein originated from *Phlebotomus papatasi* saliva and *Leishmania major* and evaluation of its protectivity against *Leishmania major* infection in BALB/c mice
- Detection of *Leishmania* RNA virus (LRV) in *Leishmania major* strains and analyzing the effects of the virus presence on virulence and the immune responses due to *Leishmania major* infection in BALB/c mice
- Preparation of mono clonal antibodies by hybridoma technology for diagnosis of *Leishmania* species in Iran
- Study of effector and suppressive immune responses in breast cancer to identify the role

of different lymphocyte subsets in this cancer

- Evaluation of neutrophil cytokine response to promastigotes of *Leishmania major* and *Leishmania tropica*
- Comparative study of micro RNA in patients with tuberculosis, latent Tuberculosis and healthy individuals
- Evaluation of mucosal and systemic immune responses after oral administration of alginate-encapsulated *BCG* vaccine in BALB/c mice
- Immune responses in *Leishmania tropica*-infected BALB/c and C57BL/6 mice
- Expression of serotonin receptors and role of serotonin in colorectal cell lines and cancer tissue
- Set-up and validation of recombinant *Hepatitis B* Vaccine Potency determination by In vivo (mouse immunogenicity) and In vitro (Antigen content) Methods
- Study of cytokine profile and role of Fas, Fas ℓ , IL-12R in control of anthroponotic cutaneous leishmaniasis
- Identification and evaluation of leishmanial protective antigens via characterization of Th1 related immunoglobulins in mice and human
- study of cytokine profile and phenotype of leishmania responding cells in patients with visceral leishmaniasis
- Evaluation of Th1/Th2 response using sCD26/sCD30 in leishmaniasis
- Effects of IL-1 on cutaneous leishmaniasis in BALB/c mice
- Study of cell mediated immunity in patients with Rheumatic heart diseases

As coworker in the following projects:

- Polymorphism in cytokine genes in different clinical forms of cutaneous leishmaniasis Pasteur Institute
- Cloning, expression, and immunologic evaluation of P4 protein of leishmania Pasteur Institute
- Isolation and evaluation the immunogenicity of membrane proteins of *L. major* amastigotes in peripheral mononuclear cells of healed leishmaniasis individuals, Pasteur Institute of Iran
- Identification of *Leishmania* species and sub-species in endemic areas of leishma-niasis by biochemical, immunological and molecular methods. Pasteur Institute of Iran, first stage finished, 2001
- Collection, cataloging, characterization and storage of *L. major* isolates, TDR-Pasteur Institute of Iran, Tehran
- Collection, cataloging and characterization of strains of *L.major* isolates 1999
- Study on adjuvanity effect of *Leishmania major* on the immune responses of mice

immunized with ovalbumin. Pasteur Institute, Tehran , Iran

- Purification of Alpha-feto protein and production of monospecific antibody against it for ELISA kit preparation
- Purification of 42KD surface glycoprotein of leishmania major and its evaluation in cutaneous leishmaniasis in Balb/c mice
- Preparation of RID plate for estimation of human C3
- Study of haptoglobin phenotypes in patients with cutaneous leishmaniasis

Supervisor on students' theses:

Preparation and evaluation of the therapeutic vaccine containing *Leishmania major* antigens (SLA) with TLR2, 7/8 agonists in nanoparticle formulation for leishmaniasis control in BALB/c mice. Ph.D.

Construction and expression of a fusion protein gene (*Phlebotomus kandelakii* salivary Apyrase and *Leishmania infantum* LiHyV) in *E.coli* and assessment of its protectivity against *Leishmania infantum* infection. Ph.D.

Evaluation of immune respons and protectvity role of a recombinant plasmid containing PpSP42 of *Phlebotomus papatasi* and LmSTI1 of *Leishmania major* genes against *L.major* infection in BALB / c mice. Ph.D.

In vitro assessment of tumor cell inhibition with immunocytokine containing human interleukin 2 and VEGFR2 specific Nanobody

Cloning and expression of Mycobacterium tuberculosis EspB protein in *E. coli* and study of its immun-reactivity with T lymphocytes from tuberculosis patients. M. Sc

Cloning and expression of *mycobacterium tuberclosis* EspB+EspC fusion protein in *E. coli* and evaluation of immune system in BALB/c mice. Ph. D.

Effect of autologous adipose-derived mesenchymal stem cells in treatment of patients with airway injury due to inhaled mustard gas. Ph.D.

Survey the effects of miR-192 on the expression of dihydrofolate reductase (DHFR) and apoptosis pathway in acute lymphocytic leukemia cell line. Ph.D.

Expression of recombinant CotD adhesion from entrotoxigenic *Escherichia coli* and evaluation of its immunogenicity in BALB/c mice. M. Sc.

Cloning and expression of filamentous hemagglutinin from *Bordetella pertussis* and evaluation of its immunogenicity in BALB/c mice. M. Sc

Expression of filamentous hemagglutinin from *Bordetella pertussis* and evaluation of its immunoreactivity with serum from vaccinated individuals. M. Sc

Study of the adjuvant effect of imiquimod on recombinant ESAT-6 and CFP10 from *Mycobacterium tuberculosis*. M. Sc

Fusion expression of *Bordetella pertussis* PTS1-FHA in *Lactococcus lactis* and study of recombinant bacteria immunogenicity. Ph. D.

Construction of whole recombinant yeast expressing LMST11 and evaluation of its immunogenicity and protective role against *Leishmania major* infection. Ph.D.

Cloning & expression of HCV capsid and CTL- based poly epitopic peptide in plant and evaluation of its immunogenicity in BALB/c mice as plant-based subunit-HCV vaccines candidate Ph. D.

Comparison of cytopathic and hemadsorption methods for determination of potency of mumps vaccine. Pharm D thesis

Study of CCL3, CCL4 and CXCL8 expression in neutrophils stimulated with *Leishmania infantum*. M. Sc

Study of neutrophil cytokine response to *Leishmania major*

TLR2 and TLR4 polymorphism in patients with visceral leishmaniasis M. Sc

Study of suppressive mechanism of immune response in Breast cancer Ph.D.

Comparative analysis of acquired immune response and incidence pattern of microRNA-21 and microRNA -31 in T cell regulatory of patients with Latent tuberculosis and active tuberculosis with healthy controls Ph. D.

Set up of ELISA for evaluation of hepatitis B vaccine. Pharm D thesis

TLR2 and TLR4 polymorphism in patients with cutaneous leishmaniasis M.Sc. thesis

Dose effect on immunogenicity of orally administered encapsulated- BCG

Evaluation of apoptotic and necrotic effect of pectic acid and bromocriptin on GH3/B6 cell line. M.Sc. thesis

Study of interaction between serotonergic system and 5FU/leukovorin and 5HT3 receptor expression in HT29 cell line. Ph.D. thesis

Identification of *leishmania* amastigote and promastigote immunogenic proteins via characterization of Th1/Th2 related immunoglobulins in mice M.Sc thesis

Evaluation of *Mycobacterium Bovis* BCG dispersing formulations for apoptosis induction in human bladder epithelial cell line. M.Sc. thesis

Comparison of pathogenicity and immunogenicity of different strains of *L. tropica* with *L. major* in BALB/c mice M.Sc thesis

Purification of α -fetoprotein from cord blood and production of monospecific antibody against it for preparation of RID plates, Pharm. D thesis

Advisor on student thesis:

- Designing and developing of validated indigenous method for qualitative and quantitative identification of haplotypes and definitive detection of mixed *Leishmania* species in Iran by targeting the three genes, ITS-rDNA, Hsp70 and Cyt *b*. Ph.D.
- Preparation and Immunological Evaluation of Outer Membrane Vesicle of *Acinetobacter baumannii* With Fusion Protein Bap *A.baumannii* (188-467)- OmpA *A.baumannii* (22-170) as Vaccine Candidate. Ph.D.
- Preparation of chitosan nanoparticles loaded with recombinant hepatitis B antigen as a novel vaccine delivery system and adjuvant. Ph.D.
- Preparation of monoclonal antibody against *Leishmania infantum* amastigote antigens to use in diagnosis of Kala-azar. Ph.D.
- Monoclonal antibody production against antigens of *Leishmania infantum* promastigotes. M.Sc thesis
- In vivo and in vitro evaluation of recombinant A1-GMCSF. M.Sc. thesis
- Monoclonal antibody production against antigens of *Leishmania infantum* antigens. M.Sc. thesis
- Study of correlation between Th1 response and CD26 expression in patients with cutaneous leishmaniasis Ph.D. thesis
- Cloning , Expression , and Immunologic Evaluation of *Leishmania* Protein P4 .Ph.D thesis
- Characterization of different strains of *L.major* in Iran and study of immunogenicity and pathogenicity of different strains, .Ph.D thesis
- Effect of allopurinol in the out come of leishmaniasis in Balb/c mice infected with *L.major* Pharm.D thesis
- Comparative assessment of anti leishmania antibodies by ELISA and Delayed Type Hypersensitivity response in patients with cutaneous leishmaniasis and recovered cases, Medical Lab. Science Doctorate thesis
- Study of the responsiveness of T-lymphocytes to PHA and Con-A in patients with non-insulin dependent diabetic patients, Medical Lab. Science Doctorate thesis
- Purification of Fc fragment of mice IgG and production of FITC conjugated antibody against it , M.Sc. thesis
- Study of lymphocytes markers in patients with Behcet syndrome by flow cytometry Medical Lab. Science Doctorate thesis

Publications:

- Contribution in translation of Clinical chemistry part of “ Clinical Diagnosis and Management by Laboratory Methods “ W.B Saunders 1991

Manuscripts:

- Souod N, Rismani E, Bahrami F, Saeed Reza Pakzad SR, **Ajdary S**. Computational evaluation of a fusion protein consisted of pertussis toxin and filamentous hemagglutinin from *Bordetella pertussis* to target Claudin-4 using C-terminal fragment of *Clostridium perfringens* enterotoxin. In press. J Biomol Struct Dyn
- Sepideh Fereshteh S, Abdoli Sh, **Ajdary S**, Nazari M, Badmasti F. New putative vaccine candidates against *Acinetobacter baumannii* using the reverse vaccinology method. Microb Pathog . 2020 Jun;143:104114. doi: 10.1016/j.micpath.2020.104114. Epub 2020 Mar 4.
- Khani S, Seyedjavadi SS, Mahmoodzadeh Hosseini H, Valadbeigi Sh, Khatami Sh, Ajdary S, et al. Effects of the antifungal peptide Skh-AMP1 derived from *Satureja khuzistanica* on cell membrane permeability, ROS production, and cell morphology of conidia and hyphae of *Aspergillus fumigatus*. *Peptides* 123 (2020) 170195, doi: 10.1016/j.peptides.2019.170195. Epub 2019 Nov 6.
- Seyed javadi SS, Khani S, Eslamifar A, **Ajdary S**, et al The Antifungal Peptide MCh-AMP1 Derived From *Matricaria chamomilla* Inhibits *Candida albicans* Growth via Inducing ROS Generation and Altering Fungal Cell Membrane Permeability. Front Microbiol . 2020 Jan 21;10:3150. doi: 10.3389/fmicb.2019.03150. eCollection 2019
- Miandoabi T, Bahrami f, Moein Vaziri M, **Ajdary S**. Cloning of a Recombinant Plasmid Encoding PpSP42 Protein Fragment of *Phlebotomus papatasi* and expressing it in HEK-293T Eukaryotic Cell. *Iran J Public Health, Vol. 48, No.7, Jul 2019, pp.1387-1389*
- Torkashvand A, Bahrami F, Adib M, **Ajdary S**. Subcutaneous Immunization with Recombinant *Lactococcus lactis* Expressing F1S1 Fusion Protein Induces Systemic and Mucosal Immune Responses in BALB/C Mice. Reports of Biochemistry & Molecular Biology Vol.7, No.2, Jan 2019. PMID: 30805400
- Torkashvand A, Bahrami F, Adib M, **Ajdary S**. Subcutaneous administration of a fusion protein composed of pertussis toxin and filamentous hemagglutinin from *Bordetella pertussis* induces mucosal and systemic immune responses. Iran J Basic Med Sci. 2018 Jul;21(7):753-759. doi: 10.22038/IJBMS.2018.29112.7026.
- Torkashvand A, Bahrami F, Adib M, **Ajdary S**. Mucosal and systemic immune responses elicited by recombinant *Lactococcus lactis* expressing a fusion protein composed of pertussis toxin and filamentous hemagglutinin from *Bordetella pertussis*. Microb Pathog. 2018 Jul;120:155-160. doi: 10.1016/j.micpath.2018.05.008. Epub 2018 May 5.
- Miandoabi T, Bahrami f, Moein Vaziri M, **Ajdary S**. Construction of a Novel DNA Vaccine Candidate encoding LmSTI1-PpSP42 Fusion Protein from *Leishmania major* and *Phlebotomus papatasi* Against Cutaneous Leishmaniasis. Rep Biochem Mol Biol, 2018 Oct;7(1):67-75.
- Nourizadeh E, Zargar SJ, Alimohammadian MH, **Ajdary S**, Mahdavi M. Development of monoclonal antibodies against axenic amastigotes of *Leishmania infantum* strain in Iran:

implication for diagnosis of Kala-azar. Iran J Basic Med Sci. 2018 Apr;21(4):388-394. doi: 10.22038/IJBMS.2018.25355.6264.

- Safavi M, Shakeri R, Kabudanian Ardestani S, Davoodi J, **Ajdary S**, Foroumadi A. Caspase-dependent apoptosis induced by two synthetic halogenated flavanones, 3',7-dichloroflavanone and 3',6-dichloroflavanone, on human breast and prostate cancer cells In Vitro Cell.Dev.Biol.—Animal (2018) 54:136–146, <https://doi.org/10.1007/s11626-017-0209-3>

- Mehrabi M, Dounighi NM, Rezayat Sorkhabadi SM, Doroud D, Amani A, Khoobi M, **Ajdary S**. Novel approach to improve vaccine immunogenicity: Mannosylated chitosan nanoparticles loaded with recombinant hepatitis B antigen as a targeted vaccine delivery system. J Drug Deliv Sci Technol , 44 (2018) 19–26, doi: 10.1016/j.jddst.2017.11.022

- Sayadi M, **Ajdary S**, Nadali F, Rostami S, Edalati Fahtabad M. Tumor suppressive function of microRNA-192 in acute lymphoblastic leukemia. Bosn J Basic Med Sci. 2017 May 9. doi: 10.17305/bjbms.

-Shokri M, **Ajdary S**, Ebrahimi-Rad M, Memarnejadian A, Alimohammadian MH, Motevali F, Roohvand F. Expression of *Leishmania major* LmSTII in Yeast *Pichia Pastoris*. Novelty in Biomedicine 2017, 1, 16-23

-Mehrabi M, Dounighi NM, Rezayat Sorkhabadi SM, Doroud D, Amani A, Khoobi M, **Ajdary S**, Pilehvar-Soltanahmadi Y. Development and physicochemical, toxicity and immunogenicity assessments of recombinant hepatitis B surface antigen (rHBsAg) entrapped in chitosan and mannosylated chitosan nanoparticles: as a novel vaccine delivery system and adjuvant. Artif Cells Nanomed Biotechnol. 2017 Dec 20:1-11. doi: 10.1080/21691401.

- Nejad-Moghaddam A, **Ajdari S**, Tahmasbpour E, Goodarzi H, Panahi Y, Ghanei M. Adipose-Derived Mesenchymal Stem Cells for Treatment of Airway Injuries in A Patient after Long-Term Exposure to Sulfur Mustard. Cell J. 2017 Apr-Jun;19(1):117-126.

-Safavi M, Shakeri R, Kabudanian Ardestani S, Davoodi J, **Ajdary S**, Foroumadi A. Caspase-dependent apoptosis induced by two synthetic halogenated flavanones, 3',7-dichloroflavanone and 3',6-dichloroflavanone, on human breast and prostate cancer cells. In Vitro Cell.Dev.Biol.—Animal <https://doi.org/10.1007/s11626-017-0209-3>

-Fotouhi-Ardekani , Dabiri Sh, **Ajdari S**, Alimihamadian MH, AlaeNovin E, Taleshi N, Parvizi P. Assessment of nuclear and mitochondrial genes in precise identification and analysis of genetic polymorphisms for the evaluation of *Leishmania* parasites. Infect Genet Evol. 2016 Dec;46:33-41. doi: 10.1016/j.meegid.2016.10.011.

-Shokri M, Roohvand F, Alimohammadian M.H, Ebrahimirad M, **Ajdary S**. Comparing Montanide ISA 720 and 50-V2 adjuvants formulated with LmSTII protein of *Leishmania*

major indicated the potential cytokine patterns for induction of protective immune responses in BALB/c mice. *Mol Immunol* 2016;76: 108–115

- Mohammadzadeh S, Roohvand F, Memarnejadian A, Jafari A, **Ajdary S**, Salmanian AH, Ehsani P. Co-expression of hepatitis C virus polytope-HBsAg and p19-silencing suppressor protein in tobacco leaves. *Pharm Biol.* 2016;54(3):465-73. doi: 10.3109/13880209.2015.1048371. Epub 2015 May 20.

- Afshari M, Riazi-Rad F, Khaze V, Bahrami f, **Ajdary S**, Alimohammadian MH. Oral treatment with zinc sulfate increases the expression of Th1 cytokines mRNA in BALB/c mice infected with *Leishmania major*. *Cytokine* 2016, 81:71–76. <http://dx.doi.org/10.1016/j.cyto.2016.02.002>

-Nejad-Moghadam a, **Ajdary S**, Tahmasbpour E, Riazi-Rad F, Panahi Y, Ghanei M. Immunomodulatory Properties of Mesenchymal Stem Cells Can Mitigate Oxidative Stress and Inflammation Process in Human Mustard Lung. *Biochem Genet.* 2016; 54:769–783

-Bakhtiari AA, Dakhili M, **Ajdary S**. Study animal centers which infected with *Brucella* bacteria and determine common species of brucella by PCR method in the city of Zarandieh from March 2010 until June 2013. 2016; 5:65-74 *Trends in life sciences*

- Hosseini M, Dobakhti F, Pakzad SR, **Ajdary S**, Immunization with single oral dose of alginate-encapsulated BCG elicits effective and long-lasting mucosal immune responses. *Scand Immunol.* 2015, doi: 10.1111/sji.12351

- Badmasti F, **Ajdary S**, Bouzari S, Imani Fooladi AA, Shahcheraghi F, Siadat D. Immunological evaluation of OMV(PagL)+ Bap(1-487aa)and Ab OmpA(8-346aa)+ Bap(1-487aa) as vaccine candidates against *Acinetobacter baumannii* sepsis infection. *Mol Immunol.* 2015 doi.org/10.1016/j.mol imm.2015.07.031

- Darabi S, Khaze V, Riazi-Rad f, Darabi H, Bahrami F, **Ajdary S**, Alimohammadian MH. *Leishmania major* strains isolated from distinct endemic areas show diverse cytokine mRNA expression levels in C57BL/6 mice: Toward selecting an ideal strain for the vaccine studies. *Cytokine.* 2015, doi.org/10.1016/j.cyto.2015.05.022

-Badmasti F, Siadat D, Bouzari S, **Ajdary S**, Shahcheraghi F. Molecular detection of genes related to biofilm formation in multidrug-resistant *Acinetobacter baumannii* isolated from clinical settings. *J Med Microbiol* 2015, DOI 10.1099/jmm.0.000058

- Mohammadzadeh S, Roohvand F, Memarnejadian A, Jafar A, **Ajdary S**, Salmanian AH, Ehsani P. Co-expression of hepatitis C virus polytope–HBsAg and p19-silencing suppressor protein in tobacco leaves. *Pharm Biol*, 2015, DOI: 10.3109/13880209.2015.1048371

- Gholami-Shabani MH, Shams-Ghahfarokhi M, Gholami-Shabani Z, Akbarzadeh A, Riazi GH, **Ajdari S**, Amani A, Razzaghi-Abyaneh M. Enzymatic synthesis of gold nanoparticles using

sulfite reductase purified from *Escherichia coli*: A green eco-friendly approach. *Process Biochem.* 2015; 1076–1085. doi.org/10.1016/j.procbio.2015.04.004

-- Badmasti F, Siadat D, Bouzari S, **Ajdary S**, Shahcheraghi F. Expression of 3-O-deacylase, PagL, in *Acinetobacter baumannii* Modulates the Endotoxicity of Lipopolysaccharide. *J Mol Microb Biotech.* 2015;25:37–44. DOI: 10.1159/000371815

-Badmasti F, Shahcheraghi F, Siadat D, Bouzari S, **Ajdary S**, Amin M, Halabian R, Imani Foolad AA. Heterologous expression of 3-O-Deacylase in *Acinetobacter baumannii* modulates the endotoxicity of lipopolysaccharide. *J Mol Microbiol Biotechnol* 2015;25:37–44 DOI: 10.1159/000371815

-Riazi-rad F, **Ajdary S**, Omranipour R, Alimohammadian MH, Hassan Z. Comparative analysis of CD4+ and CD8+ T cells in tumor tissues, lymph nodes and the peripheral blood from patients with breast cancer. *IBJ* 2014 *19 (1): 35-44 (January 2015)*. DOI: 10.6091/ibj.1289.2014

- Mohammadzadeh S, Khabiri A, Roohvand F, Memarnejadian A, Salmanian A.H, **Ajdary S**, Ehsani P. Enhanced-transient expression of Hepatitis C virus core protein in *Nicotiana tabacum*, a protein with potential clinical applications. *Hepat Mon.* 2014; 14(11): e20524. DOI: 10.5812/hepatmon.20524.

- Rouhi Dehnabeh S, Mahdian R, **Ajdary S**, Mostafavi E, Khatami S. Correlation between Plasma Interleukin-3, the α/β Globin Ratio, and Globin mRNA Stability. 2014, *Anemia* doi.org/10.1155/2014/640203

- Bahrami F, Darabi H, Riazi-rad F, Khaze V, **Ajdary S**, Alimohammadian MH. FOXP3 expression and frequency of regulatory T cells in healed individuals from *Leishmania major* infection and the asymptomatic cases. *Human Immunology* 2014; 75: 1026–1033

-Keihani A, Riazi-Rad F, Pakzad SR, **Ajdary S**. Human polymorphonuclear leukocytes produce cytokines in response to *Leishmania major* promastigotes. 2014; *APMIS* DOI 10.1111/apm.12252

-Rafiee A, Riazi-rad F, Darabi H, Khaze V, Javadian S, **Ajdary S**, Bahrami F, Alimohammadian MH. Ferroportin-encapsulated nanoparticles reduce infection and improve immunity in mice infected with *Leishmania major*. *Int J Pharmaceutics* 2014,466:375–381

- Ebrahimipoor S, Pakzad SR, Mohasel Hamedani F, **Ajdary S**. Western Blot Analysis of Sera from *Leishmania major*-Infected BALB/c and C57BL/6 Mice. *J Med Microbiol Infec Dis* 2013, 1: 14-21

- Ebrahimipoor S, Pakzad SR, **Ajdary S**. IgG1 and IgG2a profile of serum antibodies to *Leishmania major* amastigote in BALB/c and C57bl/6 mice. *Iran J Allergy Asthma Immunol* 2013; 12(4):361-367

- Alijani E, Pourfathollah AA, **Ajdary S**, Sharifi-Mood B, Zavarani-Hosseini A, Khaze-Shahgoli V. Agreement of IFN-gamma release assay and skin test in diagnosis of latent tuberculosis infection Arak Medical University Journal (AMUJ) Original Article 2013; 16(71): 59-70

- Asadpour A, Riazi-Rad F, Khaze V, **Ajdary S**, Alimohammadian MH. Distinct strains of *Leishmania major* induce different cytokine mRNA expression in draining lymph node of BALB/c mice. *Parasite Immunol.* 2013 Jan;35(1):42-50. doi: 10.1111/pim.12018.

- Ghazanfari T, Kariminia A, Yaraee R, Faghihzadeh S, K. Ardestani S, Ebtekar M, Mostafaie A, Foroutan A, Rezaei A, Shams J, Mahmoudi M, Vaez-Mahdavi MR, Soroush MR, Jalali-Nadoushan MR, Moaiedmohseni S, **Ajdary S**, Darabi H, Naghizadeh M, Kazemi H, Hassan Z. Long term impact of sulfur mustard exposure on peripheral blood mononuclear subpopulations —

Sardasht-Iran Cohort Study (SICS). *Int Immunopharmacol* (2013), Nov;17(3):931-5. doi: 10.1016/j.intimp.

- Safavi M, Esmati N, Ardestani SK, Emami S, **Ajdary S**, Davoodi J, Shafiee A, Foroumadi A. Halogenated flavanones as potential apoptosis-inducing agents: Synthesis and biological activity evaluation. *Eur J Med Chem*. 2012; 58:573-80. doi: 10.1016
- Ardestani SK, Poorrajab F, Razmi S, Foroumadi A, **Ajdary S**, Gharegozlou B, Behrouzi-Fardmoghdam M, Shafiee A. Cell death features induced in *Leishmania major* by 1,3,4-thiadiazole derivatives. *Exp Parasitol*. 2012 Oct;132(2):116-22. doi: 10.1016/j.
- Alimohammadian MH, Jones SL, Darabi H, Riazirad F, **Ajdary S**, Shabani A, Rezaee MA, Mohebali M, Hosseini Z, Modabber F. Assessment of Interferon-g Levels and Leishmanin Skin Test Results in Persons Recovered for Leishmaniasis. *Am J Trop Med Hyg* 2012; 87:70-5
- Mahmoodzadeh-Niknam H, **Ajdary S**, Riazirad F, et al. Molecular epidemiology of cutaneous leishmaniasis and heterogeneity of *Leishmania major* strains in Iran. *Trop Med Int Health* 2012; 17:1355-44
- Rafiee A, Fatemi SM, Jamili S, **Ajdary S**, Riazirad F, Memarnejadian A, Alimohammadian MH. Cloning, Expression and Characterization of Zebra Fish Ferroportin in Hek 293T Cell Line. *Iranian J Publ Health* 2012; 41: 79-86
- **Ajdary S**, Ghamilouie MM, Alimohammadian MH, Riazirad F, Pakzad SR. Toll-like receptor 4 polymorphisms predispose to cutaneous leishmaniasis *Microb Infec* 2011 13:226-231
- Karimzadeh H, **Ajdary S**, Jazayeri SM, Pakzad SR. Validation of an in-vitro method for hepatitis B vaccine potency assay: specification setting *Panminerva Med* 2010; 52: 177-82
- **Ajdary S**, Ghamilouie MM, Alimohammadian MH, Hosseini M, Pakzad SR. Lack of association of Toll-like receptor 2 Arg753Gln with cutaneous leishmaniasis. *Parasit Int*. 2010; 59:466-68
- Ataee R, **Ajdary S**, Zarrindast M, Rezayat M, Hayatbakhsh MR Anti-mitogenic and apoptotic effects of 5-HT1B receptor antagonist on HT29 colorectal cancer cell line. *J Cancer Res Clin Oncol*. 2010 136:1461-69
- Alimohammadian MH, Darabi H, **Ajdary S**, Khaze V, Torkabadi E. Genotypically distinct strains of *Leishmania major* display diverse clinical and immunological patterns in Balb/c mice. *Infec Genet Evol* 2010 10:969-975
- Ataee R, **Ajdary S**, Zarrindast MR, Rezayat M, Shokrgozar MA, Ataee A. Y25130 hydrochloride, a selective 5HT3 receptor antagonist has potent antimitogenic and apoptotic effect on HT29 colorectal cancer cell line. *Eur J Canc Prev Eur J Canc Prev* 2010;19:138-143
- Ataee R, **Ajdary S**, Rezayat M, Shokrgozar M, Shahryari Sh, Zarrindast M Study of 5HT3 and 5HT4 Receptors Expression in HT29 Cell Line and Human Colon Adenocarcinoma Tissues. *Arch Iran Med* 2010;13:1-7
- Karimzadeh H.b, Pakzad SR, Mahmoudi M, **Ajdary S**, Norouzi M, Akbari M, Daram M, Jazayeri S M. Set up of analytical methods for evaluation of specifications of recombinant Hepatitis- B vaccine. *Teh Unive Med J* 2009;67: 159-167
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