

Curriculum vitae

Name: Soheila Ajdary

Date of Birth: April 1964

Place of Birth: Mahabad-Iran

Position: 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, Tehran University of Medical Sciences
- Associate degree in Medical Laboratory Sciences 1983-1985. Iran University of Medical Sciences

Member of journal editorial board:

- Journal of Medical Microbiology and Infectious Diseases (Section editor, Immunology); 2012-present
- Avicenna Journal of Medical Biotechnology; 2013-present
- Iranian Biomedical Journal (Section editor, Immunology); 2015-present

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
- Advanced bacteriology for M.Sc bacteriology students, 1995
- Medical bacteriology for M.Sc bacteriology students, 1995
- M.Sc course in practical immunology, 1994
- 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

- Performing all diagnostic laboratory tests
- Immunoelectrophoresis and gel diffusion
- SDS-PAGE and western blotting
- ELISA and Immunofluorescent techniques
- cell culture methods
- T cell proliferation assay (human and mouse)
- Flow cytometric analysis (cell cycle analysis, apoptosis, surface cell marker analysis, intracellular cytokine assay)
- PCR (conventional, RT-PCR, qPCR)
- Gene cloning and expression
- Phagocytosis evaluation (NBT reduction test, Opsonisation and intracellular killing)
- SNP detection methods (SSCP, ARMS-PCR, RFLP)
- Statistical Analysis

Projects

- Preparation and evaluation of PLGA nanoparticles consisting of soluble Leishmania antigens and TLR2, TLR 7/8 agonists as therapeutic vaccine against Leishmania major in BALB/c mice
- Comparison of seroreactivity of RBD from spike protein of SARS-CoV-2 which expressed in prokaryotic, yeast, and mammalian cell host to finding the appropriate Antigen for immunologic evaluation
- Preparation and evaluation of PLGA nanoparticles containing TLR7/8 agonist coated with M1 macrophages and Cyclic dinucleotide (CDN) agonist on selective uptake by tumor-associated macrophages, and their polarization into M1 macrophages in vitro
- Cloning and expression of PpSP42+LmSTI1 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, FasL, 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:

- Construction of a new TGF- β chimeric antigen receptor and evaluation of its expression on the Hek-derived cell line
- Evaluation of immunogenicity and protection of an experimental vaccine based on Extracellular Vesicles obtained from *Leishmania major* infected with *Leishmania RNA Virus* in BALB/c mice
- Construction and functional characterization of anti-CD19 chimeric antigen receptor expressing T cells capable of neutralizing the cytokine IL-1
- Long noncoding mRNA-based transcriptomic investigation of human inflammatory response due to asymptomatic *Leishmania tropica* infection
- 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 leishmaniasis 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 adjuvancy 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 student theses

Design, construction and characterization of a cellular platform with a chimeric receptor to neutralize interleukin-1 beta. Ph.D.

A systems biology approach for a comprehensive understanding of the metabolic aspects of host-pathogen interactions in leishmaniasis. Ph.D.

Engineering T cells with anti-TGF- chimeric antigen receptor and evaluation of its effect on the anti-PSMA CAR-T cells' function. Ph.D.

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 response 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 Ph.D.

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 tuberculosis* 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 enterotoxigenic *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 LMSTII 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.

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.

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

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

Study of neutrophil cytokine response to *Leishmania major* M. Sc.

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

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

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

Dose effect on immunogenicity of orally administered encapsulated- BCG M. Sc.

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

M.Sc.

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

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

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

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

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

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

- In vivo and in vitro evaluation of recombinant A1-GMCSF. M.Sc.

- Monoclonal antibody production against antigens of *Leishmania infantum* antigens. M.Sc.

- Study of correlation between Th1 response and CD26 expression in patients with cutaneous leishmaniasis Ph.D.

- Cloning , Expression , and Immunologic Evaluation of *Leishmania* Protein P4 .Ph.D

- Characterization of different strains of *L.major* in Iran and study of immunogenicity and pathogenicity of different strains, .Ph.D

- Effect of allopurinol in the out come of leishmaniasis in Balb/c mice infected with *L.major* Pharm.D

- 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

- Study of the responsiveness of T-lymphocytes to PHA and Con-A in patients with non-insulin dependent diabetic patients, Medical Lab. Science Doctorate

- Purification of Fc fragment of mice IgG and production of FITC conjugated antibody against it , M.Sc.

- Study of lymphocytes markers in patients with Behcet syndrome by flow cytometry Medical Lab. Science Doctorate

Publications

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

Manuscripts

1. Fayaz Sh, Bahrami F, Parvizi P, Fard-Esfahani P, **Ajdary S**. An overview of the sand fly salivary proteins in vaccine development against leishmaniasis. *Iran J Microbiol (in press)*
2. Alijani E, Riazi Rad F, Katebi A, **Ajdary S**. Differential expression of miR-146 and miR-155 in active and latent tuberculosis infection. *Iran J Public Health. (in press)*
3. Fereshteh S, **Ajdary S**, Sepehr A, Bolourchi N, Barzi SM, Haririzadeh Jouriani F, Riazi-Rad F, Shahcheraghi F, Badmasti F. Immunization with recombinant DcaP-like protein and AbOmpA revealed protections against sepsis infection of multi-drug resistant *Acinetobacter baumannii* ST2^{Pas} in a C57BL/6 mouse model. *Microb Pathog* 2022 Nov 17;105882. doi: 10.1016/j.micpath.2022.105882
4. Beig Parikhani A, Bagherzadeh K, Dehghan R, Shokrgozar MA, Riazi Rad F, Zeinali S, Biglari AR, Talebkhan Y, **Ajdary S**, Ahangari Cohan R, Behdani M. Human IL-2R subunit binding modulation of IL-2 through a decline in electrostatic interactions: A computational and experimental approach. *PLoS ONE*. 2022, 17(2) e0264353. <https://doi.org/10.1371/journal>.
5. Dehghan R, Beig Parikhani A, Zeinali S, Shokrgozar MA, Amanzadeh A, **Ajdary S**, Ahangari Cohan R, Talebkhan Y, Behdani M. Efficacy and antitumor activity of a mutant type of interleukin 2. *Sci Rep*. 2022 12:5376 <https://doi.org/10.1038/s41598-022-09278-7>
6. Alimohmmadian MH, **Ajdary S**, Bahrami F. A Historic Review of the Role of CD4+ T-Cell Subsets in Development of the Immune Responses against Cutaneous and Visceral Leishmaniasis. *Iran. Biomed. J*. 2022, 26 (2): 99-109
7. Behrouzi A, Katebi A, Riazi-Rad F, Mazaheri H, **Ajdary S**. The role of microbiota and immune system crosstalk in cancer development and therapy. *Acta Microbiol Immunol Hung*. 2022, doi: 10.1556/030.2022.01650.
8. Akbari E, **Ajdary S**, Mirabzadeh Ardakani E, Agi E, Milani A, Seyedinkhorasani M, Khalaj V, Bolhassani A. Immunopotentiality by linking Hsp70 T-cell epitopes Gag-Pol-Env-Nef-Rev multiepitope construct and increased IFN-gamma secretion in infected lymphocytes. *FEMS Pathogens and Disease*, 2022, 80,1–11, DOI: 10.1093/femspd/ftac021
9. Fayaz Sh, Bahrami F, Fard-Esfahani P, Parvizi P, Bahramali G, **Ajdary S**. Immunoinformatics Evaluation of a Fusion Protein Composed of *Leishmania infantum* LiHyV and *Phlebotomus kandelakii* Apyrase as a Vaccine Candidate against Visceral Leishmaniasis. *Iran J Parasitol*. 2022, 17:2,.145-158

10. Katebi A, Varshochian R, Riazi-rad F, Ganjalikhani-Hakemi M, **Ajdary S**. Combinatorial delivery of antigen and TLR agonists via PLGA nanoparticles modulates Leishmania major-infected-macrophages activation. *Biomed Pharmacother* . 2021, 137:111276. doi: 10.1016/j.biopha. 2021.111276.
11. Khani S, Seyedjavadi SS, Mahmoodzadeh Hosseini H, Goudarzi M, Mina Barzegari, Khatami Sh, **Ajdary S**, Eslamifar A, Amini J, Imani Fooladi AA, Razzaghi Abyaneh M. Recombinant Expression of a Plant-derived Dimeric Antifungal Peptide (Diskh-AMP1) Joined by a Flexible Linker in Escherichia coli and evaluation of its biological activity in vitro. *Int. J. Pept. Res.* 2021, <https://doi.org/10.1007/s10989-021-10225-9>
12. Akbari E, Khalaj V, Kardani K, Bolhassani A, Namvar A, **Ajdary S**, Mirabzadeh Ardakani E. In silico design and in vitro expression of novel multiepitope DNA constructs based on HIV-1 proteins and Hsp70 T-cell epitopes. *Biotechnol Lett*, 2021 <https://doi.org/10.1007/s10529-021-03143-9>.
13. Moradpoor R, Zali H, Gharebaghian A, Akbari ME, **Ajdari S**, Salimi M. Identification of CCNB2 as A Potential Non-Invasive Breast Cancer Biomarker in Peripheral Blood Mononuclear Cells Using The Systems Biology Approach. *Cell J.* 2021; 23(4): 406-413. doi: 10.22074/cellj.2021.7053.
14. Barati M, Mohebal M, Khamesipour A, Bahrami F, Darabi H, Khaze V, Riazi-Rad F, Habibi Gh, **Ajdary S**, Alimohammadian MH. Evaluation of Cellular Immune Responses in Dogs Immunized with Alum-Precipitated Autoclaved Leishmania major along with BCG and Imiquimod Impact of gut microbiota on immune system. *Iran J Parasitol.* 2021 16: 3 348-356
15. Akbari E, **Ajdary S**, Mirabzadeh Ardakani E. Agi E, Khalaj V, Bolhassani A. Expression of a Novel HIV-1 Gag-Pol-Env-Nef-Rev Multi-Epitope Construct in Escherichia coli. *J Med Microbiol Infect Dis.* 2021, 9 (2): 62-70, DOI: 10.52547/JoMMID.9.2.62
16. Riazi-Rad F. Mazaheri H, Behroozi A, Katebi A, **Ajdary S**. Impact of gut microbiota on immune system. *Acta Microbiol Immunol Hung* 2021, 68: 3, 135–144.
17. Fayaz Sh, Fard-Esfahani P, Bahrami F, Parvizi P, **Ajdary S**. High resolution melting assay in discrimination of the main etiologic agents of leishmaniasis in Iran. *Iran J Microbiol.* 2021, 13:1, 137-144
18. Mohammadzadeh S, Roohvand F, Ehsani P, Salmanian AH, **Ajdary S**. *Canola* oilseed- and *Escherichia coli*- derived hepatitis C virus (HCV) core proteins adjuvanted with oil bodies, induced robust Th1-oriented immune responses in immunized mice. *Apmis*, 2020, 128 (11), 593-602
19. Alimohammadian MH, Riazi Rad F, Asadi M, Darabi S, Khaze v, Bahrami f, **Ajdary S**, Darabi H. Naloxone Diminishes the Virulence and Modifies the Cellular Immune Responses of BALB/c Mice Infected with Leishmania major. *Acta Parasitologica*, 2020, <https://doi.org/10.1007/s11686-020-00308-w>

20. Moradpoor R, Gharebaghian A, Shahi F, Mousavi A, Salari S, Akbari ME, **Ajdary S**, Salimi M. Identification and Validation of Stage-Associated PBMC Biomarkers in Breast Cancer Using MS-Based Proteomics. *Frontiers in oncology*, 2020, 10, 1101
21. Souod N, Rismani E, Bahrami F, 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. *Journal of Biomolecular Structure and Dynamics*, 2020, 1-10
22. Fereshteh S, Abdoli S, Shahcheraghi F, **Ajdary S**, Nazari M, Badmasti F. New putative vaccine candidates against *Acinetobacter baumannii* using the reverse vaccinology method. *Microbial pathogenesis* 2020, 143, 104114
23. Seyedjavadi SS, Khani S, Eslamifar A, **Ajdary S**, Goudarzi M, Halabian R, 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. *Frontiers in microbiology* 2020, 10, 3150
24. Salemi O, Noormohammadi Z, Bahrami F, Siadat SD, **Ajdary S**. Cloning, Expression and Purification of Espc, Espb and Espc/Espb Proteins of *Mycobacterium tuberculosis* ESX-1 Secretion System. *Rep. Biochem. Mol. Biol* 2020, 8 (4), 465
25. Khani S, Seyedjavadi SS, Hosseini HM, Goudarzi M, Valadbeigi S, Khatami S, **Ajdary S**, Eslamifar A, Amani J, Imani Fooladi AA, Razzaghi-Abyaneh M. 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* 2020 123, 170195, doi: 10.1016/j.peptides.2019.170195
26. Sayadi M, Rostami Sh, **Ajdary S**, Nadali F, , Edalati Fahtabad M, Riazi-Rad F, Sayadi Kh, **Ajdary S**. *miR-192* overexpression effect on *DHFR* and *TYMS* in acute lymphoblastic Leukemia. *Gene Rep.* 2020, <https://doi.org/10.1016/j.genrep.2020.100887>
27. Seyedjavadi SS, Khani S, Eslamifar A, **Ajdary S**, Goudarzi M, Halabian R, Akbari R, Zare-Zardini H, Imani Fooladi AA, Amani J, Razzaghi-Abyaneh M. 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 21;10:3150. doi: 10.3389/fmicb.2019.03150.
28. Miandoabi T, Bahrami F, Vaziri VM, **Ajdary S**. Cloning of a Recombinant Plasmid Encoding PpSP42 Protein Fragment of *Phlebotomus papatasi* and expressing it in HEK-293T Eukaryotic Cell *Iranian journal of public health* 2019 48 (7), 1387-1389
29. 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. *Rep Biochem Mol Biol.* 2019, 7 (2), 196-203

30. 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, 21(7):753-759. doi: 10.22038/IJBMS.2018.29112.7026.
31. 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 Patho. 2018 Jul;120:155-160. doi: 10.1016/j.micpath.2018.05.008. Epub 2018 May 5.
32. Miandoabi T, Bahrami f, Moein Vaziri M, **Ajdary S**. Construction of a Novel DNA Vaccine Candidate encoding LmSTII-PpSP42 Fusion Protein from *Leishmania major* and *Phlebotomus papatasi* Against Cutaneous Leishmaniasis. Rep Biochem Mol Biol, 2018 ,7(1):67-75.
33. 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, 21(4):388-394. doi: 10.22038/IJBMS.2018.25355.6264.
34. 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 Anim 2018, <https://doi.org/10.1007/s11626-017-0209-3>
35. 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 , 2018, 44: 19–26, doi: 10.1016/j.jddst.2017.11.022
36. 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, doi: 10.17305/bjbms.2017.1921.
37. 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
38. 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, 20:1-11. doi: 10.1080/21691401.2017.1417868.
39. Fotouhi-Ardekani , Dabiri Sh, **Ajdari S**, Alimihamadian MH, Alaeenovin E, Tales N, Parvizi P. Assessment of nuclear and mitochondrial genes in precise identification and analysis of genetic polymorphisms for the evaluation of *Leishmania* parasites. Infe Genet Evol. 2016 Dec;46:33-41. doi: 10.1016/j.meegid.2016.10.011.

40. Shokri M, Roohvand F, Alimohammadian M.H, Ebrahimirad M, **Ajdary S**. Comparir Montanide ISA 720 and 50-V2 adjuvants formulated with LmSTII protein of Leishman major indicated the potential cytokine patterns for induction of protective immu responses in BALB/c mice. *Mol Immunol* 2016;76: 108–115
41. 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.
42. 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>
43. 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. 2016; 54:769–783
44. Hosseini M, Dobakhti F, Pakzad SR, **Ajdary S**, Immunization with single oral dose alginate-encapsulated BCG elicits effective and long-lasting mucosal immune respons *Scand Immunol.* 2015, doi: 10.1111/sji.12351
45. 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
46. 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
47. 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
48. 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
49. 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
50. 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

51. 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
52. 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. Iran Biomed J. 2015 19 (1): 35-44 DOI: 10.6091/ibj.1289.2014
53. 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.
54. 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
55. 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
56. Keihani A, Riazi-Rad F, Pakzad SR, **Ajdary S**. Human polymorphonuclear leukocytes produce cytokines in response to *Leishmania major* promastigotes. APMIS. 2014, DOI 10.1111/apm.12252
57. 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
58. Ebrahimipour 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
59. Ebrahimipour 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
60. 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
61. 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, 35(1):42-50. doi: 10.1111/pim.12018.
62. 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

63. 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.
64. Safavi M, Esmati N, Ardestani SK, Emami S, **Ajdari 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
65. Ardestani SK, Poorrajab F, Razmi S, Foroumadi A, **Ajdary S**, Gharegozlu 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.
66. Alimohammadian MH, Jones SL, Darabi H, Riazirad F, **Ajdary S**, Shabani A, Rezaee MA, Mohebbali 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
67. 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
68. Rafiee A, Fatemi SM, Jamili S, **Ajdari 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
69. **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
70. 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
71. **Ajdary S**, Ghamilouie MM, Alimohammadian MH, Hosseini M, Pakzad SR. Lack of association of Toll-like receptor 2 Arg753Gln with cutaneous leishmaniasis. *Parasit Ir* 2010; 59:466-68
72. 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 *Cancer Res Clin Oncol*. 2010 136:1461-69
73. Alimohammadian MH, Darabi H, **Ajdary S**, Khaze V, Torkabadi E. Genotypical distinct strains of *Leishmania major* display diverse clinical and immunological patterns in Balb/c mice. *Infec Genet Evol* 2010 10:969-975
74. Ataee R, **Ajdary S**, Zarrindast MR, Rezayat M, Shokrgozar MA, Ataee A. Y2513 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

75. 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
76. 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
77. **Ajdary S**, Riazi-Rad F, Alimohammadian MH, Pakzad SR, Immune response to Leishmania antigen in anthroponotic cutaneous leishmaniasis J infec 2009; 59: 139-43
78. Tooba Ghazanfari, Soghrat Faghihzadeh, , ...**Soheila Ajdary**, et al. Sardash t-Iran Cohort Study of Chemical Warfare Victims: Design and Methods Arch Iranian Med 2009;12:5-14
79. Dobakhti F, **Ajdary S**, Taghikhani M, Naghibi T, Rafiei Sh, Rafiee-Tehrani Adjuvanticity effect of sodium alginate on subcutaneously injected BCG in BALB/c m Microbiol Immunol , 2009;11:296-301
80. Sadeghi G, Khaksar AS, Bassiri Jahromi Sh, Amirkhani A, Eslamifar A, **Ajdary S**, et Fungistatic effects of optical brightner 220 against Trichophyton tonsurans, aspergi fumigates and candida albicans. J Dermatol Treat, 2009; 20:120-23
81. Rahimifard N, Shoeibi SH, Pakzad S.R., **Ajdary S**, Pirali Hamedani M, Hajimehdip H, Adib N, et al. Mutagenicity and carcinogenicity of 4 natural food flavor and preserva in food, cosmetic and sanitary industries. Biosci Biotech Res Asia, 2008; 5:639-40
82. Rahimifard N, Shoeibi SH, Pakzad S.R., **Ajdary S**, Pirali Hamedani M, Saadati SH, Noori Z, Maleknejad P. Detection of *Staphylococcus aureus* Enterotoxins (SES) in Food stuffs by ELISA J Pure and App Microbiol, 2008; 2: 531-32
83. Rahimifard N, Shoeibi SH, Sabzevari O, Pakzad S.R., **Ajdary S**, Pirali Hamedani M, Hajimehdipoor H, Bagheri F, Esmaeili B. Antifungal Activity of the Native Essential oil of *Thymus vulgaris* on *Candida albicans*, *Aspergillus niger* and *Aspergillus flavus* from Iran J Pure and App Microbiol, 2008. 2: 343-346
84. Rahimifard N, Sabzevari O, Shoeibi SH, Pakzad SR, **Ajdary S**, Hajimehdipoor Bagheri F, Safaee M. Antifungal activity of the essential oil of Eugenia caryophyllat: Candida albicans, Aspergillus niger and Aspergillus flavous. Biomed Pharmacol J 2011:43-45
85. Rahimifard N, Sabzevari O, Shoeibi SH, Pakzad SR, **Ajdary S**, Haghghi S, Bagheri Sabzikaran M. Antifungal activity of the native essential oil of Zataria multiflora c Candida albicans, Aspergillus niger and Aspergillus flavous. Biomed Pharmacol J 2015 1: 289-92
86. Rahimifard N, Sabzevari O, Shoeibi SH, Pakzad SR, **Ajdary S**, Hajimehdipoor I Bagheri F, Safaee Antifungal activity of the essential oil of cinamomum zeynalicum c Candida albicans, Aspergillus niger and Aspergillus flavous. Biomed Pharmacol J 2015 1:85-88
87. Oloomi M, Bouzari S, **Ajdary S**. Immune responses of mice immunized with active recombinant shigatoxin and its derivatives. Iran J Allergy Asthma Immunol 2008;7:53-60
88. Jafari-Shakib R, **Ajdary S**, Mohtasham Amiri Z, Mohammadi AM, Nourijelyani K, Mortazavi H, Shokrgozar MA, Nikbin B, Khamesipour A. CD26 expression on

- CD4+ T cells in patients with cutaneous leishmaniasis. *Clin Exp Immunol* 2008; 153:31-36
89. Alimohammadian MH, Darabi H, Malekzadeh Sh, Mahmoodzadeh-Niknam H, **Ajdary S**, Khamesipour A, and Molarah A. Exposure to leishmania major modulates the proportion of CD4 cells without affective cellular immune response. *Microbiol Immunol* 2007; 51:1003-1011
 90. **Ajdary S**, Dobakhti F, Taghikhani M, Riazi-Rad F, Rafiei Sh, Rafiee-Tehrani M. Oral administration of BCG encapsulated in alginate microspheres induces strong Th response in BALB/c mice *Vaccine* 2007; 25:4595-4601
 91. **Ajdary S**, Jafari-Shakib R, Riazi-Rad F, Khamesipour A, Soluble CD26/CD30 levels in patients with anthroponotic cutaneous leishmaniasis *J Infec* 2007; 55:75-78
 92. Dobakhti F, Rahimi F, Taghikhani M, **Ajdary S**, Dehpour AR, Rafiei Sh, Rafiee-Tehrani M. Stabilizing effects of calcium alginate microspheres on mycobacterium bovis BCG intended for oral vaccination. *J Microencapsulation* 2006; 23:844-854
 93. Dobakhti F, **Ajdary S**, Taghikhani M, Rafiei Sh, Bayati Kh, Rafiee-Tehrani M. Immune response following oral immunization with BCG encapsulated in alginate microspheres Iran *J Immuno* 2006; 3:114-120
 94. **Ajdary S**, Riazi-Rad F, Jafari-Shakib R, Mohebbali M, Soluble CD26/CD30 levels in visceral leishmaniasis : markers of disease activity. *Clin Exp Immunol* 2006; 145:44-47
 95. Pakzad SR, **Ajdary S**, Moazami N, and Haghghi S. A Novel method to detect B-Cyclodextrin glucosyl Transferase activity on polyacrylamide gels *Iranian Biomedical Journal* 2005; 9:87-91
 96. Farajnia S, Mahboudi F, **Ajdary S**, Reiner N.E, Kariminia A, and Alimohammadian M.H, Mononuclear cells from patients recovered from cutaneous leishmaniasis respond to leishmania major amastigote class I nuclease with a predominant Th1-like response. *Clin Exp Immunol* 2005; 139:498-505
 97. Farajnia S, Alimohammadian MH, Reiner NE, Karimi M, **Ajdary S**, Mahboudi F, Molecular characterization of a novel amastigote stage specific class I nuclease from leishmania major. *Int J Parasitol* 2004; 34:899-908
 98. Tashakori M, **Ajdary S**, Kariminia A, Mahboudi F, and Alimohammadian M. Characterization of leishmania Species and L.major strains in different endemic areas of cutaneous leishmaniasis in Iran. *Iranian Biomedical Journal* 2003;7:43-50
 99. Alimohammadian MH, Darabi H, Kariminia A, Rivier D, Bovay Ph, Mauel J, **Ajdary S**, Kharazmi A, Adjuvant effect of leishmania major promastigotes on the immune response of mice to ovalbumin *Iranian Biomedical Journal* 2002; 6:123-128
 100. **Ajdary S**, Hamidpoor L, and Zandieh T, Function of neutrophils in different phases of chronic myelogenous leukemia. *Iranian Biomedical Journal* 2002; 6:83-88
 101. Khalili Gh, Partovi F, and **Ajdary S**, Immunodiagnosis of human fascioliasis by ELISA using excretory-secretory products as antigen *Iranian J Med Sci* 2001; 26:127-132
 102. **Ajdary S**, Alimohammadian MH, Eslami MB, Kemp K, and Kharazmi A, Comparison of the immune profile of non-healing cutaneous leishmaniasis patients with those with

active lesion and those recovered from infection. *Infection and Immunity*, 2000; 68(17):1760-64

103. **Ajdary S**, Eslami MB, Pakzad SR, and Alimohammadian MH Cytokine productic pattern by different subtypes of T cells in cutaneous leishmaniasis *Iranian J Med S* 1999; 24:1-7
104. **Ajdary S**, Hosseini SMH, and Alimohammadian MH, Effect of IL-1 on cutaneous leishmaniasis in BALB/c mice *Microbiol Immunol* 1997; 41:281-83

Abstracts presented at congresses

-Mansoori. S, **Ajdary. S**, Shokrgozar, M.A, Abdoli. Sh, Basiri. M, *Sharifzadeh. . Optimizing lentivirus production for CAR T cells development The 5th International congress on biomedicine 10th - 19th November 2021, Tehran-Iran

-Riazi-Rad F, Saraf Z, Omranipour R, Alimohammadian M. H., **Ajdary S**. Inducible regulatory T cells (Tr1) in the peripheral blood, lymph nodes and tumor tissues of patients with breast cancer The 4th European Congress of Immunology. 6-9 September 2015, Vienna, Austrich

- Amiri S, Hengami M, Torkashvand A, Bahrami F, Pakzad SR, **Ajdary S**. Evaluation of immunogenicity of recombinant FHA from *BORDETELLA PERTUSSIS* in combination with different adjuvants. The 16th International and Iranian Congress of Microbiology. 25-27 Aug 2015, Tehran, Iran.

- Hengami M, Amiri S, Torkashvand A, Bahrami F, Pakzad SR, **Ajdary S**. Cloning, expression purification and immunoreactivity analysis of FHA gene of *BORDETELLA PERTUSSIS*. The 16th International and Iranian Congress of Microbiology. 25-27 Aug 2015, Tehran, Iran.

- Torkashvand A, Bahrami F, Adib M, **Ajdary S**. Designing, construction and expression of *BORDETELLA PERTUSSIS* PTS1-FHA fusion protein in *LACTOCOCCUS LACTIS*. The 16th International and Iranian Congress of Microbiology. 25-27 Aug 2015, Tehran, Iran.

- Khakbaz N. Haghghat S. Pakzad SR, Ajdary S. ESAT-6 and CFP-10 administration with imiquimod induce strong TH1 response in BALB/Cmice. The 16th International and Iranian Congress of Microbiology. 25-27 Aug 2015, Tehran, Iran.

- Shokri M, **Ajdary S**, Memarnejadian M, Ebrahimi-Rad M, Roohvand F. Designing and Construction of Whole recombinant yeast vaccine expressing LmSTI1 antigen against *Leishmania major*. First international and 9th national biotechnology congress of Isl. Rep Iran. May 24-26, 2015 Tehran, Iran

- Mohammadzadeh S, **Ajdary S**, Salmanian A, Ehsani P, Roohvand F CANOLA (*BRASSICA NAPUS*) OILSEEDS AND EXTRACTS AS NOVEL AND SUPERIOR TOOLS IN FORMULATION OF A PLANT-BASED HCV VACCINE CANDIDATE . 6th Tehran Hepatitis conference May, 2015

- Mohammadzadeh S, Roohvand F, Memarnejadian A, **Ajdari S**, Salmanian A, Ehsani P

Transient Expression of Hepatitis C virus Polytope-HBs Ag in *Nicotiana tabacum* Leaves Using p19 silencing suppressor. The 6th international conference on Plant-based vaccines, antibodies and biologics. 8-10 June 2015, University of Lausanne/CHUV, Lausanne, Switzerland

- Alijani E, Pourfathollah AA, Sharifi-Mood B, **Ajdary S**. Lack of correlation among Th2 cytokines in latent tuberculosis infection: High IL-5 and IL-13 but low levels in response to PPD.

12th International Congress of Immunology and allergy, April 29th-may2nd, Tehran, IR-IRAN, 2014

- Shokri M, Roohvand F, **Ajdary S**, Memarnejadian A, Ebrahimi-Rad M, Alimohammadian MH. Construction of whole recombinant yeast vaccines against leishmaniasis. 12th International Congress of Immunology and allergy, April 29th-may2nd, Tehran, IR-IRAN, 2014

- Mohammadzadeh S, Ehsani P, Salmanian AH, **Ajdary S**, Roohvand F. Immunization of mice by canola (*Brassica napus*) oilseed-derived hepatitis C virus (HCV) core protein-A plant based HCV vaccine. 12th International Congress of Immunology and allergy, April 29th-may2nd, Tehran, IR-IRAN, 2014

- Khaze V, Alimohammadian MH, **Ajdary S**, Riazi-Rad F, Darabi H, Najafi A. Vaccination against Leishmaniasis using low pathogenic strain of *Leishmania major* in BALB/c mice. 12th International Congress of Immunology and allergy, April 29th-may2nd, Tehran, IR-IRAN, 2014

- Riazi Rad F, **Ajdary S**, Hassan Z, Omranipour R, Alimohammadian MH; Cytokine profile in peripheral blood and tissue samples from patients with breast cancer . 12th International Congress of Immunology and allergy, April 29th-may2nd, Tehran, IR-IRAN, 2014

- Alijani E, Poorfatholah A, Sharifi Mood B, Zavarani Hosseini A, **Ajdary S**. miR-146, miR-21, and miR-31 expression in patients with active tuberculosis and subjects with latent tuberculosis infection. 15th International Congress of Immunology – ICI, August 22 – 27, Milan, Italy, 2013

- Hematzadeh A, Pakzad S, Naji T, **Ajdary S**. CCL3, CCL4 and CXCL8 chemokines mRNA expression in human neutrophils in response to *Leishmania infantum*. 15th International Congress of Immunology – ICI, August 22 – 27, Milan, Italy, 2013

- Riazi-Rad F, Saraf Z, Omranipour R, Alimohammadian MH, **Ajdary S**; Increased CD8+ regulatory T cells in breast cancer. 15th International Congress of Immunology – ICI, August 22 – 27, Milan, Italy, 2013

- Alimohammadian MH, Bahrami F, Darabi H, Riazi-Rad F, Khaze V, **Ajdary S**; Asymptomatic *Leishmania major*-infected individuals exhibit lower frequency of regulatory T cells compared to the healed individuals. 15th International Congress of Immunology – ICI, August 22 – 27, Milan, Italy, 2013

- Khaze V, Alimohammadian MH, **Ajdary S**, Laamrad B, Riazi-Rad F, Darabi H, Bahrami F; Induction of protective immune responses against cutaneous leishmaniasis in BALB/c mice by a vaccine containing a new low pathogenic strain of *Leishmania major* along with imiquimod. 15th International Congress of Immunology – ICI, August 22 – 27, Milan, Italy, 2013

- Keihani AR, Pakzad SR, Naji T, **Ajdary S**. TGF- β , IL-12, and IL-1 mRNA expression in neutrophils in response to *Leishmania major*. 11th International congress of immunology and allergy, Tehran, Iran, 2012

- Rafiee A, Alimohammadian MH, Fatemi SMR, **Ajdary S**, Riazi-Rad F, Darabi H, Khaze V, Gazori T. Encapsulation of pEGFP-ferroportin vector into chitosan nanoparticles for gene therapy in *Leishmania major* infected BALB/c. 11th International congress of immunology and allergy, Tehran, Iran, 2012

- Bahrami F, Darabi H, Riazi-Rad F, Khaze V, **Ajdary S**, Alimohammadian MH. The role of regulatory T cells in symptomatic and asymptomatic human cutaneous leishmaniasis in an endemic area of Iran. 11th International congress of immunology and allergy, Tehran, Iran, 2012

- Pakzad SR, Javaherchian N, Safarchi A, Rahimifard N, **Ajdary S**. Comparison of cytopathic effect and hemadsorption methods of potency estimation of various vaccine strains and products. 11th International congress of immunology and allergy, Tehran, Iran, 2012
- Ghazanfari T, Kariminia A, Yaraiee R, Faghihzadeh S, Ardestani S.K., Ebtekar M, Mostafaie A, Rezaie M, Mahmoudi M, Vaez mahdavi MR, Soroush MR, **Ajdary S**, Naghizadeh MM, Sharifinaia Z, Hassan ZM. Long term impact of sulfur mustard exposure on leukocyte subpopulations. Sardasht-Iran cohort study. 11th International congress of immunology and allergy, Tehran, Iran, 2012
- Alimohammadian MH, Rafiei A, Fatemi SMR, Darabi H, KhazeeV, **Ajdary S**. Recombinant Ferroportin influences the parasite load and immune response in Balb/c mice infected with *Leishmania major*. 4th international congress of molecular medicine. Istanbul, Turkey 2011
- **Ajdary S**, Ghamilooie MM, Alimohammadian MH, Shokrgozar MA, The Toll-like receptor 2 Arg753Gln polymorphism is not associated with cutaneous leishmaniasis. Third Iranian congress of Clinical Microbiology Shiraz, Iran October 2009
- **Ajdary S**, Hosseini M, Dobakhti F. IgA and IgG levels in lung and serum after oral immunization with BCG encapsulated in alginate microspheres. Vaccine 3rd global congress Singapore Oct 4-6, 2009
- Alimohammadian MH, Riazi F, **Ajdary S**, Noyes H. IL-15 gene is associated with risk of conversion on the leishmanin skin test after exposure to *Leishmania major*. Worldleish 4, Lucknow, India 2009
- Sadeghi G, Khaksar AS, Bassiri Jahromi Sh, Amirkhani A, Sayyah M, **Ajdary S**, et al. Fungistatic effects of optical brightener 220 against *Trichophyton tonsurans*, *aspergillus fumigates* and *candida albicans*, The second Iranian congress of Clinical Microbiology Shiraz, Iran October 2008
- Alimohammadian MH, Darabi H, **Ajdary S**, Khaze V, Riazirad F, Torkabadi E. Genetically different strains of *Leishmania major* show distinct virulence and immunogenicity in C57BL/6 mice, 13th International Biotechnology Symposium and Exhibition, Dalian, China October 2008
- Ataee R, Zarrindast M, **Ajdary S**, Shahriary Sh. Study of serotonin receptor expression and role of serotonin in colorectal cancer HT29 cell line. The IXth world conference on clinical pharmacology and therapeutics, Quebec, Canada, July, 2008
- Hosseini M, **Ajdary S**, Dobakhti f, Khaze V. IgA levels in lung and serum after oral Immunization with BCG encapsulated in alginate microspheres. The 3rd International congress on pulmonary disease, intensive care and tuberculosis, Tehran-Iran Oct. 2007
- **Ajdary S**, Riazi-Rad F, Alimohammadian MH. Cellular immune responses in patients with different manifestation of anthroponotic cutaneous leishmaniasis . 13th Intrnational congress of Immunology, Rio de Janeiro, Brazil. Aug 2007
- Alimohammadian MH, Darabi H, **Ajdary S**, Khazee V, Riazi-Rad F, Torkabadi I. Selection of an ideal strain from *leishmania major* with high immunogenicity and low pathogenicity for vaccine studies. 13th Intrnational congress of Immunology, Rio de Janeiro, Brazil. Aug 2007
- Ebrahim-poor S, **Ajdary S**, Alimohammadian MH. Comparison of *leishmania major* promastigotes antigens recognized by IgG1 and IgG2a from infected BALB/c mice 1st Iranian congress of clinical microbiology, Shiraz-Iran. May 2007
- Hosseini M, **Ajdary S**, Dobakhti F, Khaze V. IgA level in lung and serum after oral immunization with BCG encapsulated in Alginate Microspheres. The 3rd International congress of pulmonary

disease, Intensive care and Tuberculosis, Tehran-Iran. Oct 15-18 2007

- Atari F, Sepehri H, Delfi L, **Ajdary S**. Study of apoptosis in mouse pituitary cell line The 2nd national congress of cellular and molecular biology Kerman, Iran, Jan 2007

- Atari F, Sepehri H, **Ajdary S**, Goliaiee B, Delfi L, Rasouli Y. Effect of pectic acid on the death of GH3/B6 The 18th Iranian congress of Physiology and Pharmacology, Mashhad, Iran Aug 2007

- Oloomi M, Bouzari S, **Ajdary S**. Immunological studies of recombinant shiga toxin and its subunits 1st Joint Meeting of European National Societies of Immunology Paris, France, Sep. 2006

- Dobakhti F, **Ajdary S**, Rafiei S, Taghikhani M, Rafiee-Tehrani M. Calcium Alginate Microsphere as a carrier in oral delivery of mycobacterium bovis BCG 33rd Annual Meeting & Exposition of the Controlled Release Society Vienna, Austria, July 2006

- Dobakhti F, Taghikhani M, **Ajdary S**, Rafiei S, A.R. Dehpour, Rafiee-Tehrani M. Effect of alginate on oral and intradermal vaccination of BALB/c mice with mycobacterium bovis BCG. 5th world meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Geneva, Switzerland, March 2006

- Alimohammadian MH, **Ajdary S**, Riazi-Rad F, Torkabadi E, Rezaeian A. Genetic variability of leishmania major species in different endemic areas of cutaneous leishmaniasis in Iran. 11th International Congress of Parasitology, Glasgow, Scotland, August, 2006

- **Ajdary S**, Riazi-Rad F, Sayadpour M Study of virulence of and immune responses in Balb/c mice infected with different isolates of Leishmania tropica The 8th Iranian Congress of Immunology and Allergy, Tehran, Iran , may,2006

- Dobakhti F, **Ajdary S**, Rafiei Sh, Taghikhani M, Rafiee-Tehrani M. Oral delivery of BCG vaccine to Balb/c mice in microencapsulated form. The 8th Iranian Congress of Immunology and Allergy, Tehran, Iran, May, 2006

- **Ajdary S**, khamesipour A, Jafari Shakib R, Mohtasham Amiri Z, Nikbin B, Correlatoin of CD26 expression on CD4+ T cell with IFN-g production in cutaneous leishmaniasis Third world congress on leishmaniasis, Sicily, Italy May, 2005

- **Ajdary S**, Sayadpour M, Riazi Rad F, Differences of virulence and humoral immune responses between various isolates of leishmania tropica in Balb/c mice Third world congress on leishmaniasis, Sicily, Italy, May, 2005

- Farajnia S, Mahboudi F, **Ajdary S**, Reiner N.E, Khazei V, Riazi F, and Alimohammadian MH, Leishmania major amastigote class I nuclease elicits TH1 type response in PBMC culture of patients recovered from cutaneous leishmaniasis Third world congress on leishmaniasis, Sicily, Italy, May, 2005

- Jafari Shakib R, khamesipour A, **Ajdary S**, Mohtasham Amiri Z, Nikbin B, Cytokine profile and CD26 expression on CD4+ T cells in non-healing and healing form of cutaneous leishmaniasis Third world congress on leishmaniasis, Sicily, Italy, May, 2005

- Davoudi N, Doosti I, Azizi M, **Ajdary S**, Mahboudi F, McMaster R.W, Evaluation of protectionin vaccinated mice with recombinant L.major carrying two suicide genes Third world congress on leishmaniasis, Sicily, Italy, May, 2005

- Sayadpour M, **Ajdary S**. Study of virulence of different isolates of leishmania tropica in BALB/c mice. The First Iranian Academic Congress on Zoonotic Diseases, Karaj, Iran, 2005

- Jafari Shakib R, Khamesipour A, **Ajdary S**, Mohtasham Amiri Z, Shokrgozar MA, Mortazavi H, Nikbin B. Comparison of cytokine profile of non-healing with healing form of cutaneous leishmaniasis. The First Iranian Seminar on Immunity and Infections, Sari, Iran, 2005

- Jafari Shakib R, **Ajdary S**, Khamesipour A, Shokrgozar MA, Mortazavi H, Nikbin B. Changes in plasma Soluble CD26 and CD30 in cutaneous leishmaniasis The First Iranian Seminar on Immunity and Infections, Sari, Iran, 2005
- Torkabadi E, **Ajdary S**, Riazi-Rad F, Alimohammadian M. 5th National Iranian Congress of Parasitology, Tehran, Iran 2005
- **Ajdary S**, Shakib R, Riazi-Rad F, Mohebbali M. Correlation of sCD30/sCD26 ratio with different manifestation of human visceral leishmaniasis 7th Iranian congress of Immunology and Allergy, Mashhad, Iran 2004
- Farajnia S, Mahboudi F, **Ajdary S**, Alimohammadian MH. Investigation of immune response to leishmania major P4 antigen in individuals recovered from cutaneous leishmaniasis 7th Iranian congress of Immunology and Allergy, Mashhad, Iran 2004
- Alimohammadian MH, Tashakori M, **Ajdary S**, Kariminia A, Characterization of leishmania species and L. major strains in endemic areas of Iran using immunological, biochemical and molecular analyses. The 10th international congress of parasitology, Canada 2002
- **Ajdary S**, Hosseini MH, Noohi F, Alimohammadian MH, Study of cell mediated immunity in patients with rheumatic heart disease. The 10th Iranian congress on infectious disease and tropical medicine, Tehran, Iran, 2002
- Tashakori M, Alimohammadian MH, **Ajdary S**, Kariminia A, Identification of different species of leishmania in endemic areas of cutaneous leishmaniasis in Iran and discrimination of different sub-species of leishmania major. The 10th Iranian congress on infectious disease and tropical medicine, Tehran, Iran, 2002
- **Ajdary S**, Alimohammadian MH, Kharazmi A, Pakzad SR, Evaluation of cellular immune responses in patients with different manifestation of cutaneous leishmaniasis. World leish 2, Greece 2001
- Mortazavi H, Khamesipour A, **Ajdary S**, Nazemi MJ, Clinico-immunological features of chronic non-healing cases of cutaneous leishmaniasis and their responses to therapy: report of 12 cases. Worldleish 2, Greece 2001
- **Ajdary S**, Alimohammadian MH, Kharazmi A, Eslami MB, Evaluation of immune profile of nonhealing cutaneous leishmaniasis patients. The 11th International Congress of Immunology, Sweeden 2001
- Khalili Gh, Partovi F, Geranmayeh S, **Ajdary S**, Tehrani B Comparison of ELISA kit using excretory-secretory products as antigen for diagnosis of fascioliasis with hemagglutination test. The 9th Iranian congress on infectious disease and tropical medicine, Tehran, Iran, 2001
- Khalili Gh, Partovi F, Geranmayeh S, **Ajdary S**, Tehrani B. IgG detection in patients with fascioliasis by Indirect ELISA using secretory antigen. The 9th Iranian congress on infectious disease and tropical medicine, Tehran, Iran, 2001
- Alimohammadian MH, Darabi H, Malekzadeh Sh, Mahmoudzadeh Niknam H, **Ajdary S**, Bahonar A, Mofarrah A. Cross-reactive responses to leishmania major antigen in healthy volunteers vaccinated with BCG . XV International Congress for Tropical Medicine and Malaria, Colombia 2000
- **Ajdary S**, Alimohammadian MH, Pakzad SR, Mortazavi H, Determining phenotype of cells responding to leishmanial antigens in patients with cutaneous leishmaniasis. Proceeding of the 8th Iranian congress of Infectious disease and Tropical Medicine, Tehran-Iran 2000
- **Ajdary S**, Alimohammadian MH, Eslami MB, Pakzad SR, study of cytokine profilng in patients

with different manifestations of cutaneous leishmaniasis, of the 5th Iranian congress of immunology and Allergy, Tehran-Iran 2000

-**Ajdary S**, Alimohammadian MH, Eslami MB, Pakzad SR, Study of cell mediated immunity in cutaneous leishmaniasis patients with different clinical manifestation of disease Proceeding of the 5th Iranian congress of immunology and Allergy, Tehran-Iran 2000

- Alimohammadian MH, Darabi H, Kariminia A, **Ajdary S**, and Modabber F. Induction of Th1 response by leishmania major promastigotes when used as adjuvants. 10th International Congress of Immunology, New Delhi-India 1998

- Hosseini SMH, Hatam GR, **Ajdary S**, Alimohammadian MH, Ardehali S Isoenzyme study of *L.major* in logarithmic and stationary growth phases. Proceeding of first world congress on leishmaniasis Istanbul – Turkey 1997

- Hosseini SMH, **Ajdary S**, Alimohammadian MH, Keyvanjah M, Haptoglobin phenotypes in patients with cutaneous leishmaniasis. Proceeding of first world congress on leishmaniasis Istanbul – Turkey 1997

- Bakhtiary MR, Alimohammadian MH, **Ajdary S**, Evaluation of T cell response to PHA and Con-A in non-insulin dependent diabetic patients. Proceeding of 2nd congress of blood and related diseases Tehran-Iran 1996

- Hosseini SMH, Saoji AM, **Ajdary S** Monoclonal gammopathy of undetermined significance. Proceeding of the 3th Iranian congress of Immunology and Allergy. Shiraz- Iran 1995

- **Ajdary S**, Hosseini SMH, Alimohammadian MH, Effect of IL-1 cutaneous leishmaniasis in BALB/c mice. Proceeding of The 3th Iranian congress of Immunology and Allergy Shiraz-Iran 1995

- Hamidpoor L. **Ajdary S**, Zandieh T, Study of phagocytosis in patients with CML Proceeding of the 8th International congress of immunology Budapest-Hungary 1991