



# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



DAY 1  
Wednesday, 27 January, 2021

**Main Board**

**Opening Ceremony**

**Nima Rezaei**

**Diagnostic Approach to patients with Inborn Errors of Immunity**

**Akihiro Shimosaka**

**NK cell and cancer immunotherapy**

**Break & poster visiting**

**Panel 1**

**COVID-19 Immunology and Immunopathology**

**Keynote Speaker**

**Tooba-Ghazanfari**

**Association of immunological and inflammatory factors with disease severity in COVID-19**

**Hamid Reza-Abtahi**

**Hemoperfusion and removal of cytokines in COVID-19 immunopathology**

**Mohammad Reza-Salehi**

**The role of inflammatory factors in the clinical management of COVID-19**

**Abdolrahman-Rostamian**

**Corticosteroids mechanism in the treatment of COVID-19**

**Alijan-Tabraee**

**Viral mutations and disease diagnosis in COVID-19**

**Maryam-Mahluji Rad**

**Cellular immune responses in COVID-19**

**Ali-Mostafaei**

**Intrinsic and inflammatory immune responses in COVID-19**

**Reza- Jafari**

**Psychoneuroimmunological aspects of COVID-19**

**Oral presentation**

**Sara Iranparast**

**Evaluation of the frequency of HLA- A\*02 and -A\*30 alleles in moderate and severe COVID-19 patients in Khuzestan province, Iran**

**Faezeh Maghsoud**

**Differential antibody response to SARS-CoV2 antigens in convalescent and deceased Iranian COVID 19 patients**

**Fatemeh Keshavarz**

**Patients with Covid 19 have significantly reduced CH 50 activity compared with healthy individuals**

**Shokrollah Farrokhi**

**Association between allergic diseases and COVID-19 in 400 Iranian patients**

**Mehdi Shahbazi**

**Reduced frequency of T helper 17 and T helper 1 cells and their association with critical coronavirus disease-2019**

**mohammad mirzakhani**

**Exhaustion Markers in CD8 T Cells of COVID-19 Patients: TIM-3 and CD39, but not PD-1**

**Saeid Taghiloo**

**Apoptosis and immunophenotyping of peripheral blood lymphocytes in Iranian COVID-19 patients; clinical and laboratory characteristics**

**Break & poster visiting**



**DAY 1**  
**Wednesday, 27 January, 2021**

**panel 2**

**Cancer Immunology**

**Keynote Speaker**

<b>Abolghasem Ajami</b> Innate lymphoid Cells in tumor immunology	<b>Fereshteh Mehdipour</b> Regulatory roles of B cells in Solid malignancies	<b>Mahboobeh Razmkhah</b> Dual role of mesenchymal stem cells in the tumor microenvironment	<b>Amin Ramezani</b> New advancement in production of biological modifies in cancer
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**Oral presentation**

<b>Atri Ghods</b> The heterogeneity of human lymphocytes expressing intracellular and membranous forms of TNF- $\alpha$ in breast tumor draining lymph nodes	<b>Marzie Norouziyan</b> HNSCC progression from non-invasive early stages to invasive advanced stages is associated with a shift from Th1/Tc2 patterns to Th2/Tc2 response	<b>hosein Hakim</b> Suppression of granzyme B production in B cells by tumor cells in a co-culture system	<b>Simin Ahmadvand</b> Prognostic power of PD-1 and PD-L1 in tongue and larynx squamous cell carcinoma: introducing a new scoring system	
<b>Mohammad Reza Haghshenas</b> Increase in Helios-expressing regulatory T cells in lymph nodes of breast cancer mice treated with Everolimus	<b>Saeid Taghiloo</b> The effects of PI3K/Akt/mTOR signaling pathway inhibitors on immune evasion mechanisms of Acute Myeloid Leukemia	<b>Sima Balouchi Anaraki</b> A murine monoclonal antibody against myosin heavy chain-9 expressed in pancreatic cancer	<b>Mohsen Soltanshahi</b> Ibrutinib and everolimus modulate the expression of immune checkpoint molecules through STAT3-mediated suppression of breast cancer cells	<b>Reza Darvishvand</b> The frequency of natural killer (NK) cell subsets in peripheral blood of the patients with breast cancer: a reflection of the disease.

**Break & poster visiting**



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DAY 1

Wednesday, 27 January, 2021

## Panel 3

### Oral & Mucosal Immunology

#### Keynote Speaker

Mandana-Sattari

Special Immunologic Characteristics of Gingiva

#### Oral presentation

11:00

13:00

**Mahsa Bazargan**

**Chemokine mission in oral cavity health and periodontal disease**

**Mahya ramezani**

**Comparing the gingival expression of MMP-1, MMP-9 (matrix metalloproteinase) and HBD-3 (human beta defensin-3) in healthy individuals and patients with moderate to severe chronic periodontitis.**

**Danial Touzandehjani**

**Correlation between gingival expression of IL-33, ST2 and LL37 and periodontal diseases**

**nikoo hossein khan nazer**

**Immunomodulatory properties of osteogenic differentiated dental pulp stem cells**

**Marjan Golabi**

**Assessment the expression of CXCL13, and CCL28 chemokines in gastric biopsy specimens of infected individuals with Helicobacter pylori**

**Farzaneh kheiri**

**The role of tolerogenic dendritic cells subsets in the screening of celiac disease**

13:00

14:00

**Break & poster visiting**





**ICIA 2021**  
AHVAZ

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



DAY 1

Wednesday, 27 January, 2021

Panel 4

Stem Cell & Immune cell therapy

Keynote Speaker

Oral presentation

11:00  
13:00

**Arezoo Jamali**

**Highly Efficient and Selective CAR-gene Transfer Using CD4- and CD8-Targeted Lentiviral Vectors**

**Elham Masoumi**

**Manufacturing Process of Chimeric Antigen Receptor T Cells Disposes Them to Expression of A2a Receptor, an Inhibitory Molecule**

**Abdolamir Allameh**

**Hepatic differentiation of human bone marrow mesenchymal stem cells is associated with changes in selected cellular cytokines**

**Mehnoosh Ashja Arvan**

**Impact of IFN- $\beta$  and LIF overexpression in human adipose-derived stem cells (hADSCs) properties**

**Anwar Fathollahi**

**Intranasal administration of mesenchymal stem cells derived exosomes reduced the disease severity of experimental autoimmune encephalomyelitis in a mouse model**

**Hadi Esmaeili Gouvarchin ghaleh**

**Immunomodulatory functions of Mesenchymal Stem Cells treated with Tretinoin altered the Clinical and,..**

**fahime lavi**

**Assessment of proliferative and anti-apoptotic and immunomodulatory activity of crocin and crocetin on adipose-derived ,...**

**Sara Hosseini**

**The Impacts of Lupus Mice MSC on Healthy and Lupus Balb/c Mice Model**

13:00  
14:00

Break & poster visiting





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AHVAZ

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27-29 January /AJUMS/Ahvaz / Iran



**DAY 1**  
Wednesday, 27 January, 2021

**Panel 5**

**Allergy and immunotherapy of Allergy**

**Keynote Speaker**

**Alireza-Ranjbar**

**Reza-Nassiri**

**Oral presentation**

11:00 13:00	<p><b>haleh Abdoli sereshki</b></p> <p>The most allergenic pollen grains in Tehran: an update study</p>	<p><b>seyed mohammadreza Bolandi</b></p> <p>Aangiogenesis inhibitory effect of Bevacizumab: A new strategy to cure asthmatic rats</p>	<p><b>haleh Abdoli sereshki</b></p> <p>Immunochemical Characterization of Privet Pollen Allergens</p>	<p><b>mohammad hossein shams</b></p> <p>Immunochemical Characterization of Populus nigra Pollen Allergens</p>	<p><b>Niloofar Daneshfar</b></p> <p>Chemerin Receptor 23 (ChemR23) gene polymorphisms and risk of allergic rhinitis</p>
	<p><b>mostafa atashbasteh</b></p> <p>Expression of plasma-derived exosomal miR-125b is associated with inflammatory markers in severe asthma patients</p>	<p><b>Shokrollah Farrokhi</b></p> <p>Association Between Chronic Rhinosinusitis and Allergic Diseases in Adults: A GA2LEN Study</p>	<p><b>Mahvash Sadeghi</b></p> <p>Induction of regulatory T cell response by DC-aptamer-modified gold nanoparticles coated with ovalbumin in allergic mice model through sublingual immunotherapy</p>	<p><b>Ali Farhadi</b></p> <p>OVA immunodominant T cell epitope encoding DNA vaccine inhibits eosinophilic infiltration in a mouse model of Allergic rhinitis</p>	

**Break & poster visiting**



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# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 1**  
Wednesday, 27 January, 2021

**Main Panel**

14:00  
14:40 **Hans-Uwe Simon**  
**Molecular mechanism of neutrophil extracellular traps**

14:50  
15:30 **Ali Harandi**  
**Lessons Learned from COVID-19 Vaccines**

15:30  
16:00 **Break & poster visiting**

**Panel 1**

**Treatment of COVID 19**

**keynote**

16:00 18:00	<b>Mehdi Mirsaeidi</b> <b>Challenges in covid treatment</b>	<b>Arda kiani</b> <b>cytokine storm</b>	<b>Abdolreza Esmailzadeh</b> <b>Immune-based therapy for COVID-19</b>
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**Oral presentation**

<b>Sara Iranparast</b> <b>Protein E-Peptide Driven Vaccine for Novel Coronavirus: Immunoinformatics</b>	<b>Faezeh Maghsood</b> <b>Development of novel neutralizing monoclonal antibodies against SARS-CoV-2</b>	<b>Ava Resae</b> <b>Therapeutic Effects of Mesenchymal Stem Cell (MSC) Therapy on Covid-19 Respiratory Symptoms</b>	<b>Mostafa Akbariqomi</b> <b>Adjuvant use of melatonin as a potent anti-inflammatory to improve clinical outcomes in COVID-19 patients</b>
<b>Sajad Dehnavi</b> <b>Effects of curcumin on serum levels of inflammatory cytokines in COVID-19 patients</b>	<b>Mohammad Barary</b> <b>Hydroxychloroquine and azithromycin: As a double edge sword for COVID-19?</b>	<b>Hamed Valizadeh</b> <b>The Nanocurcumin effects on the Treg cell frequency and FoxP3 expression in mild and severe 2019-novel coronavirus patients</b>	<b>Safa Tahmasebi</b> <b>Investigation of Nanocurcumin effects on cytokine profile of the Th17 cell in mild and severe COVID-19 patients Compared to the placebo group</b>

**Workshop 1**

18:00  
20:00 **Application of nanotechnology in immunotherapies**





**ICIA 2021**  
**AHVAZ**

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 1**  
**Wednesday, 27 January, 2021**

**Panel 2**

**Basic Immunology**

**keynote**

<p><b>Nariman Mosaffa</b></p> <p>The expanding word of Extracellular traps: not only neutrophils but much more.</p>	<p><b>Farshid Noorbakhsh</b></p> <p>Modelling and Simulation of Immune System, concepts and tools</p>	<p><b>Gholamreza Nikbakht Brujeni</b></p> <p>Infectious and Immunity: New Edition</p>	<p><b>Mostafa Haji Molla Hoseini</b></p> <p>Does YKL-40 - a marker of inflammation- elevated in COVID 19 inflammation?</p>	<p><b>Jafar Salimian</b></p> <p>Overview of the Inflammatory Genes and Signaling Pathways in Mustard Lung Disease</p>
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**Oral presentation**

<p><b>Ahmad-Reza Mahmoudi</b></p> <p>Discovery of a novel marker for human granulocytes and tissue macrophages: RTL1 revisited</p>	<p><b>Zivar Zangeneh</b></p> <p>Induced MARCH-1 over-expression in U937 cell line promotes alternative features of (M2) macrophage</p>
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**Workshop 2**

**Western Blot**



**ICIA 2021**  
AHVAZ

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 1**  
Wednesday, 27 January, 2021

**Panel 3**

**Reproductive immunology**

**keynote**

**Maryam Tavakoli & Mahdi Yousefi**  
Thyroid autoimmunity and pregnancy loss

**Oral presentation**

16:00  
18:00

<p><b>Reyhane Rahnema</b></p> <p>Thyroid Peroxidase In Human Endometrium And Placenta: A Potential Target For Anti-TPO Antibodies</p>	<p><b>Houshang Nemati</b></p> <p>Effect of autoimmune thyroiditis on women infertility</p>	<p><b>Fatemeh Rezayat</b></p> <p>An Invisible Pattern of Autoantibodies in the of Women with Recurrent Spontaneous Abortion</p>	<p><b>Kimia Zarnani</b></p> <p>Decidualization-incompatible mating in CBA/J x DBA/2 model: Does quality of seminal plasma play a role?</p>	<p><b>Kayhan Zarnani</b></p> <p>It is defective decidualization not aberrant immune system that triggers abortion in CBA/J x DBA/2 mating</p>	<p><b>Mahvash Zargar</b></p> <p>Evaluating Chronic Endometritis in Women with Recurrent Implantation Failure and,..</p>	<p><b>Sara Khorami-sarvestani</b></p> <p>Proteome Analogy in the first-trimester and Term Human Placentas</p>	<p><b>Hasan Namdar-Ahmadabad</b></p> <p>Effect of Maternal LPS Exposure during Pregnancy on Expression ,..</p>
<p><b>Forough Parhizkar</b></p> <p>Preeclampsia-exosomes: Their role in Th17/Treg axis imbalance in healthy pregnant women</p>	<p><b>Iman Naamipouran</b></p> <p>Effect of Different Concentrations of Leukemia Inhibitory Factor on Gene Expression ,..</p>	<p><b>Sahel Heidari</b></p> <p>Expression levels of monocyte chemoattractant protein-1, hepatocyte growth factor,..</p>	<p><b>Zeinab Shojaei</b></p> <p>Evaluation of Toll-Like Receptors 6-10 Gene expression Levels in Endometriosis</p>	<p><b>Fateme Zare</b></p> <p>Contraceptive and molecular function of a novel recombinant vaccine based human leukemia ,..</p>	<p><b>Abdolah Mousavi-Salehi</b></p> <p>Evaluation of CD3 CD56 NKT cell percentage and function and,..</p>	<p><b>Motahareh Ehsani</b></p> <p>Evaluating the Frequency of CD8+HLA-G+ T cell in primary Unexplained Infertile Females</p>	<p><b>Mohammad Barary</b></p> <p>Ameliorative effect of Alpinia officinarum Hance extract on nonylphenol-induced reproductive toxicity in male rats</p>

**Workshop 3**

**Stem cells (Classification, Properties, Separation methods, Therapeutic application)**

18:00  
20:00





**ICIA 2021 AHVAZ**

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 1**  
**Wednesday, 27 January, 2021**

**Panel 4**

**Tolerance and Autoimmunity**

**keynote**

**Abdollah-Jafarzadeh**  
**Autoimmunity and COVID-19**

**16:00 - 18:00 Oral presentation**

<b>Seyed Alireza Esmaeili</b> Inhibitory effects of tolerogenic probiotics on migratory potential of lupus patients – derived DCs	<b>Atefeh Alaei</b> The ex vivo effects of Lactobacillus delbrueckii and Lactobacillus rhamnosus on inflammatory,..	<b>zahra javanmardi</b> Generation of lupus M1 and M2 macrophages differentiated by tolerogenic probiotics	<b>Parisa Ahmadi</b> investigation of Lactobacillus rhamnosus and Lactobacillus delbrueckii effects on,..	<b>elahe parkan</b> Beneficial effects s of combined prednisolone and theophylline in improving,..	<b>Maryam Mohammadi</b> Effect of hydroalcoholic extract of Ferula assa-foetida L. resin on,..	<b>sahar samemaleki</b> Effect of Platelet Rich Plasma and Autologous Conditioned Serum,..	<b>maryam roozbehkia</b> Effects Of $\beta$ -D-mannuronic Acid On TLR2 And TLR4 Expression And Downstream Signalling In Monocyte,..	
<b>Zahra Amiri</b> Therapeutic treatment with Curcumin decreases the severity of experimental autoimmune encephalomyelitis,..	<b>shadi moradi</b> Assessment of expression profile of microRNAs in multiple sclerosis patients treated with fingolimod	<b>Paria bayati</b> Differential expression of miR-27a and miR-138a in patients with systemic sclerosis	<b>Shima Rahmani</b> The expression analyses of RMRP, and RORC in RRMS patients treated with different drugs versus naïve patients and healthy controls	<b>Shima Shapoori</b> Alteration of Sema3A, Sema7A and their receptors gene expression in treated multiple sclerosis patients	<b>Mohammad javad tavassolifar</b> Redox imbalance in CD4+ T cells of relapsing-remitting multiple sclerosis patients	<b>Mobina Belalzadeh</b> Evaluation of TLR2,TLR4,TLR9 expression with Angiopoietin 4 proteins,..	<b>Saeede Nikpasand</b> Reduction of Circulating CD19 / CD24hi / CD38hi Breg cells could result in Psoriasis pathogenesis.	<b>Zohreh Babaloo</b> Evaluation of SOCS1 methylation in patients with Behcet's disease

**18:00 - 20:00 Workshop 4**

**Training theoretical and practical principles of immunohistochemistry**





**ICIA 2021**  
AHVAZ

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 1**

Wednesday, 27 January, 2021

**Panel 5**

**Immuno-genetic & Bioinformatics**

**keynote**

**Elham-Ashoori**

KIR variation in Iranians combines high haplotype and allotype diversity with an abundance of functional inhibitory receptors

**Amir Ali-Hamidieh**

Recent Advances in Immune Cell Therapies: Hope and Fear

**Seyed Hamidollah-Ghaffari**

Use of Ig/TCR gene rearrangements for detection of Minimal residual disease in patients with Acute Lymphoblastic Leukemia

**Oral presentation**

16:00  
18:00

**Ghasem Solgi**

HLA class II alleles may predict the severity of COVID-19 disease

**Ashkan Rasouli saravani**

Relevance of autoantibody profile with HLA-DRB1 and -DQB1 alleles in a group of Iranian systemic lupus erythematosus patients

**Ali Khorasanizadeh**

Association of IL-10 genetic polymorphisms (592 A/C and 819T/C) with the susceptibility to Acute Lymphocytic Leukemia in Children of Southwestern Iran

**Mojdeh Matloubi**

The impact of interleukin (IL)-33 gene polymorphisms on asthma incidence in the Iranian population

**Sepide Namdari**

Increased frequency of KIR2DS4 del/del among AA genotype carriers with B cell acute lymphoblastic leukemia in southwestern Iranian population

**marjan hematian larki**

Killer cell immunoglobulin-like receptors (KIRs) gene diversity in Iranian patients with breast Cancer

18:00  
20:00

**Workshop 5**

**Phage display**





**ICIA 2021**  
AHVAZ

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 2**  
Thursday, 28 January, 2021

## Main Panel

9:00  
9:40

**Brian Till**

The clinical application of CAR T cell therapy for B cell non-Hodgkin lymphomas

9:50  
10:30

**M.J. Stear and K. Donskow-Lysoniewska**

The influence of galectin 3, galectin 9 and parasite galectin on mast cell degranulation

10:30  
11:00

Break & poster visiting

## Panel 1

**Vaccine & COVID-19 Vaccine**

### Keynote Speaker

**Seyed Reza-Bani Hashemi**

Research and development on the COVID-19 vaccine

**Sima-Rafati**

Leishmania tarentolae an efficient key for vaccine production and Immunotherapy

**Alireza-Biglari**

Vector-based vaccines in COVID-19

11:00  
13:00

### Oral presentation

**Atefeh Sadeghi Shermeh**

Evaluation of protection induced by in vitro matured MoDCs presenting CD8+ T cell stimulating peptides after a heterologous vaccination regimen in BALB/c model against Leishmania major

**Parisa Amirkalvanagh**

NanoInterleukin-29-adjuvanted genetic vaccine improves cell-mediated immune responses against Herpes Simplex Virus Type I

**Abolfazl Rahmani**

Development of a novel chimeric multi-epitope vaccine via cancer-testis antigens against colorectal cancer using immunoinformatics and reverse vaccinology approaches

**Nafiseh Keshavarzian**

Evaluation of Leishmanization Using Iranian Lizard Leishmania Mixed with CpG-ODN as a Candidate Vaccine against Experimental Murine Leishmaniasis

13:00  
14:00

Break & poster visiting





**ICIA 2021**  
AHVAZ

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 2**  
Thursday, 28 January, 2021

**panel 2**

**Immunology of Infectious Disease**

**Keynote Speaker**

**Payam tabarsi**  
TB/HIV:challenges and solution

**Bhaskar Saha**  
Leishmania

**Akihiro Shimosaka**  
NK cell Antivirus Activity

**Oral presentation**

11:00  
13:00

<b>vahab jamali</b> Bioinformatics study of the most relevant signaling pathways of two human coronavirus microRNAs in cancer incidence	<b>Ali Ranaie</b> Prevalence of $\beta$ -lactamase producing <i>Acinetobacter baumannii</i> in Iran	<b>Arshid Yousefi Avarvand</b> Immunogenicity of HspX/EsxS fusion protein of <i>Mycobacterium tuberculosis</i> along with ISCOMATRIX and PLUSCOM nano-adjuvants after subcutaneous administration in animal model	<b>Forough Golsaz-Shirazi</b> Influence of PRR ligands on induction of innate immunity and control of HBV infection	<b>hamzeh sarvnaz</b> Optimization of hepatitis B infection in cell culture using serum and cell culture derived viral inoculums
<b>Pooria Fazeli</b> Correlation between IL-28 polymorphism and spontaneous clearance in HCV patients: systematic review and meta-analysis	<b>Mousa Mohammadnia-Afrouzi</b> Exhaustion markers in CD4+ T cells of COVID-19 patients: TIM-3 is more important than CD39 and PD-1	<b>Atefeh Najmadini</b> Evaluation of Peripheral Cytotoxic T cell percentage in relations to EBV viral Load in MS patients	<b>Zahra Kamiab</b> Toll like receptor 3 and 9 are up-regulated in the hospitalized COVID-19 infected patients	<b>Arghavan Asghari</b> Evaluation of HBx, BRCA1, and RAD51 expression in hepatitis B patients

13:00  
14:00

**Break & poster visiting**





**ICIA 2021**  
AHVAZ

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 2**  
Thursday, 28 January, 2021

**Panel 3**

**Immunology of aging , nutrition and exercise**

**Keynote Speaker**

<p><b>Mahdieh Molanouri Shamsi</b></p> <p>Modulatory Effects of Physical Exercise on Immune Responses in Relation to Vaccination of Older Adults</p>	<p><b>Ali Akbar Saboor Yaraghi</b></p> <p>Micronutrients and Immune Function</p>	<p><b>Prof.Krüger Karsten</b></p> <p>Effects of an Active Lifestyle on ("Healthy") Immune Aging</p>
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**Oral presentation**

<p>11:00 13:00</p>	<p><b>Karim Parastouei</b></p> <p>Effect of Vitamin A, Vitamin D and their combination on gene expression of CD4+ T cells cytokines and transcription factors in experimental model of Multiple Sclerosis in C57-BL/6 mouse</p>	<p><b>Hadi Bazyar</b></p> <p>Anti-inflammatory and antioxidant effects of synbiotics in type-2 diabetes mellitus patients with periodontal disease under nonsurgical-periodontal-therapy. A double-blind, placebo-controlled trial</p>	<p><b>Nafiseh Esmaeil</b></p> <p>Combined All-Extremity High-Intensity Interval Training Regulates Immunometabolic Responses through Toll-Like Receptor 4 Adaptors and A20 Downregulation in Obese Young Females</p>	<p><b>Mona Oraei</b></p> <p>Study on the effects of vitamin D on the gene expression and DNA methylation of FOXP3 gene in the splenocytes of C57BL/6 mice</p>	
<p>13:00 14:00</p>	<p><b>Sepideh Maralbashi</b></p> <p>The effect of docosahexaenoic acid (DHA) on the cellular and exosomal expression of mammalian target of rapamycin (mTOR) and related microRNAs in breast cancer cell lines</p>	<p><b>Damoon Ashtary-Larky</b></p> <p>Is inflammatory and metabolic response to an acute session of resistance training different among trained and untrained individuals?</p>	<p><b>Mahdi Ghasemiartiyan</b></p> <p>The amount of interleukin-6 in the serum of strength athletes and endurance athletes compared to non-athlete people</p>	<p><b>Zeinab sadat Moosavifard</b></p> <p>Fasting and the Immune System</p>	<p><b>Mojtaba Mollaei</b></p> <p>The intrinsic and extrinsic elements regulating inflammation</p>

**Break & poster visiting**



DAY 2  
Thursday, 28 January, 2021

Panel 4

Cancer Immunotherapy

Keynote Speaker

Arjan Griffioen

An new strategy against cancer without side effects; vaccination against the tumor vasculature

Nowrouz Delirezh

DC-based Cancer Immunotherapy

Davar Amani

Tumor-derived Exosomes: a promising approach for cancer immunotherapy

Parviz Kookhaei

Berberine and cancer therapy: a focus on CLL

Hossein Asgarian-Omran

Immune check point blockade (ICB) strategy in the treatment of chronic lymphocytic leukemia

Arezoo Jamali

Highly Efficient Generation of Transgenically Augmented CAR NK Cells Overexpressing CXCR4

Hamid Reza Mirzaei

CAR T cells hit the tumor microenvironment: teaching an old dog a new tricks

Oral presentation

Leila Jafarzadeh

Construction and Functional Characterization of a Fully Human Anti-mesothelin Chimeric Antigen Receptor (CAR) Expressing T Cell

Elham Masoumi

Targeted knock-down of A2a Receptor Enhances the function of anti-mesothelin CAR T cells.

Vahid Khaki

Establishment of a murine model of breast cancer expressing human epidermal growth factor receptor 2 (4T1-HER2)

Mehdi Mohammadi

A novel anti-HER2 bispecific antibody with potent in vitro and in vivo tumor inhibitory effects

Shakiba Jafarkhan

PD-1 and Tim-3 blocking dose not improve the apoptosis of leukemic cells by peripheral blood CD8+ T cells in chronic lymphocytic leukemia

Ahmad Reza Mahmoudi

PLAC1: a potential biomarker for targeted immunotherapy of melanoma

Break & poster visiting





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# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 2**  
Thursday, 28 January, 2021

**panel 5**

**Immunodeficiency**

**Keynote Speaker**

<p><b>Zahra Chavoshzadeh</b> Introduction and Patient Presentation</p>	<p><b>prof Anne Paul</b> Genetic evaluation of PID patients with fungal infections</p>	<p><b>Somayeh Sharifynia</b> Diagnostic methods in patients with fungal infections</p>	<p><b>Davood mansouri</b> Treatment of fungal infections in patients with primary immunodeficiency</p>
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**Oral presentation**

<p><b>Fereshte Salami</b> CTLA-4 Expression in Stimulated Lymphocyte from Common Variable Immunodeficiency Patients with Enteropathy and with No Known Monogenic Disease</p>	<p><b>Farzad Nazari</b> Evaluation of Radiation Sensitivity in Patients with Hyper IgM Syndrome</p>	<p><b>yasser bagheri</b> Evaluation of effective factors on IL-10 signaling in B cells in selective IgA deficient patients</p>	<p><b>Faezeh Abasirad</b> Increased Expression of B Lymphocyte Induced Maturation Protein 1 (BLIMP1) in Patients with Common Variable Immunodeficiency (CVID)</p>	<p><b>Mahsa Taghavi Farahabadi</b> The Effects of Mesenchymal Stem Cells Conditioned Media and Exosomes on the function of neutrophils from chronic granulomatous disease patients</p>
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**Break & poster visiting**



**ICIA 2021**  
**AHVAZ**

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 2**  
**Thursday, 28 January, 2021**

**Main Panel**

14:00  
14:40  
**Christian Buchholz**  
**Targeted lentiviral vector for in vivo gene delivery in CAR-mediated immunotherapy**

14:50  
15:30  
**Ahmad Jalili**  
**Novel insights into the pathophysiology & treatment of atopic dermatitis**

15:30  
16:00  
**Break & poster visiting**

	<b>Workshop 1</b>	<b>Workshop 2</b>	<b>Workshop 3</b>	<b>Workshop 4</b>
16:00 18:00	Basic, Methods and Application of Flow Cytometry	CRISPR advanced Training Course and Operation	Introduction of theoretical and practical standard approaches for RT-PCR method in basic science research	DNA Aptamer

	<b>Workshop 1</b>	<b>Workshop 2</b>	<b>Workshop 3</b>	<b>Workshop 4</b>
18:00 20:00	Magnetic Activated Cell Sorting	Immunogenetics and Pyrosequencing	Introductory bioinformatics, an overview of NCBI databases	miRNAs: Introduction, Biogenesis, Function and Quantitative detection by Real time PCR





# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



DAY 3  
Friday, 29 January, 2021

### Main Panel

9:00  
9:40  
  
9:50  
10:30  
  
10:30  
11:00

**Christine Brown**  
CAR T cell therapy in solid tumors

**Alireza Ranjbar**  
Immunometabolism in obesity and its clinical relevance

Break & poster visiting

### Panel 1

#### Research & Development

#### Keynote Speaker

**Majid Khosh Mirsafa**  
Current perspectives of clinical laboratory immunology in medical era

**Mojtaba-Sankian**  
Open innovation platform promotes university-industry alliances for R&D

**Mohammad Javad-Rasaee**  
The impact of scientific authority on development and advancement of strategic technologies

#### Oral presentation

11:00  
13:00  
  
  
  
  
  
  
  
13:00  
14:00

<p><b>Amir Valizadeh</b></p> <p>miR-622 serves as a tumor-suppressive and impairs motility through inhibiting metastatic genes in prostate cancer</p>	<p><b>Raoufeh Ahmadi fesharaki</b></p> <p>Identification of fully human single chain Fragment variable Antibody against Interleukin-6 using Phage Display</p>	<p><b>Mohammadrasul Zareinejad</b></p> <p>Characterization of 6D6 hybridoma clone producing Monoclonal Antibody reactive with Bladder Cancer Cell lines</p>	<p><b>Sorour Shojaeian</b></p> <p>Quantum Dot-labeled Tags Improve Minimal Detection Limit of CA125 in Ovarian Cancer Cells and Tissues</p>	<p><b>Masoud Hassanzadeh Makoui</b></p> <p>Production and immunohistochemical characterization of mouse monoclonal antibodies specific for the human tumor-associated antigen Ki67</p>	<p><b>Somayeh Ghotloo</b></p> <p>Efficient neutralization of tetanus toxin by a single chimeric monoclonal antibody</p>	<p><b>Fatemeh moaddab</b></p> <p>Expression analysis of beta-secretase 1 (BACE1) enzyme in peripheral blood of patients with Alzheimer's disease</p>
<p><b>Sajjad Eslamkhah</b></p> <p>Evaluation of two genomic DNA extraction method from fecal samples of patients with colorectal cancer</p>	<p><b>Sara Adibfar</b></p> <p>Coinhibition of CD73 and EZH2 molecules suppresses the growth and development of 4T1 breast cancer cells, in vitro</p>	<p><b>Sahar Khosravi</b></p> <p>Effect of Dimethyl fumarate Loaded-PLGA Nanoparticles on Expression of IL-1, IL-6, TNF-<math>\alpha</math> Genes in Murine Splenocytes</p>	<p><b>Omid Yeganeh</b></p> <p>Protection against Acinetobacter baumannii infection by novel anti outer membrane protein A (Omp A) monoclonal antibody (MAb)</p>	<p><b>parnian Navabi</b></p> <p>Design and optimization of a chimeric single-chain fragment variable (scFv) antibody against IL2R<math>\alpha</math> (CD25)</p>	<p><b>Fereshte Ghafari</b></p> <p>The effect of targeted DMF loaded-PLGA nanoparticles on the pattern of cytokine expression in dendritic cells</p>	

Break & poster visiting





**ICIA 2021**  
AHVAZ

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



DAY 3  
Friday, 29 January, 2021

**Panel 2**

**Immunomodulation & Immunoregulation**

**Keynote Speaker**

Tooba Ghazanfari

Immunoregulation: The Horizon ahead in Diagnosis and Treatment of Diseases

Farshid Nourbakhsh

Immunoregulation from a System and Computational Biology Perspective

**Oral presentation**

11:00  
13:00

**Mohsen Naseri**  
Enhancement of the Immunomodulatory Properties of Dental Pulp Stem Cells by Crocin through Up-expression of HLA-G5 and STAT3 Genes

**Mohsen Naseri**  
Comparison of modulation of microRNAs for human dental pulp stem Cells and human adipose derived mesenchymal stem cells by Crocin.

**Sheida Farrokhi**  
Immunomodulatory Potential of Murine Adipose-Derived Mesenchymal Stem Cells is enhanced Following Culture on Chitosan Film

**Malaksima Ayadilord**  
Immunomodulatory effects of phytosomal curcumin are associated with downregulating miR-155 and miR-126a in dental pulp stem cells

**Samad Farashi Bonab**  
Evaluation of effect of long-term usage of acetaminophen on the gene expression levels of arginase and cyclooxygenase in leukocytes

**Maryam Mohammadi**  
The Effect of hydroalcoholic extract of Ferula assa-foetida L. oleo-gum-resin on serum levels of IL-6 and TNF- $\alpha$  cytokines and oxidative stress parameters in animal model of rheumatoid arthritis

**Nabiollah Mohammadi**  
CTLA-4 FC improves the potency of insulin-producing cells differentiated from mouse bone marrow mesenchymal stem cells

**Mansoore Saharkhiz**  
Crocin improves the immunomodulatory capacity of dental pulp stem cells via up-regulation of CD200 glycoprotein

**SeyedeSara Hassani**  
Evaluation of the regulatory axis of long non-coding RNA NEAT1/miR199a-5p/heat shock protein A5 gene expression in patients with diabetic neuropathy

13:00  
14:00

**Break & poster visiting**



DAY 3  
Friday, 29 January, 2021

Panel 3

Immunohematology & Transplantation

Keynote Speaker

Yadollah-Shakiba

Immunological evaluations in solid organ Transplantation

Behnaz-Bayat

HPA and HNA allo-antibodies and Endothelial cells

Oral presentation

11:00  
13:00

<p><b>Afsaneh Aghaie</b></p> <p>Special Anti-Hepatitis Antibody Content of IVIGs Made of Iranian Plasma</p>	<p><b>Alireza Ghavami</b></p> <p>Association between Prognosis factors together and Response to Therapy and ABO blood groups in Acute Lymphoblastic Leukemia</p>	<p><b>Fatemeh Khorshidi</b></p> <p>Extraction and purification of <math>\alpha</math>-Defensin from leukocytes trapped on leukoreduction filters by cation exchange chromatography</p>	<p><b>Seyedeh Farzaneh Jalali</b></p> <p>The new approach for stabilization the reactivity of coombs control cells by fixation of RBC membrane</p>	<p><b>Mozhdeh Karimi</b></p> <p>Frequency of dendritic cell subsets and ILT3, ILT4 gene expression in two different immunosuppressive protocols in kidney transplant recipients</p>	<p><b>Seyede Najibe Nasiri</b></p> <p>Enhancing effects of PNU-74654 on the antiproliferative effects of 5-FU in breast cancer via the inhibition Wnt pathway</p>
<p><b>Mohammad Mirzakhani</b></p> <p>Reduced CD4<sup>+</sup> CD25<sup>++</sup> CD45RA<sup>-</sup> Foxp3<sup>hi</sup> Activated Regulatory T Cells and its Association with Acute Rejection in Patients with Kidney Transplantation</p>	<p><b>Alireza Mardomi</b></p> <p>PD-L1 overexpression protects the mesenchymal stem cell-derived cardiomyocyte-like cells against alloreactive immune responses in mice</p>	<p><b>Shima Afzali</b></p> <p>Investigating the role of BAFF and its receptors in renal transplant recipients with chronic antibody-mediated rejection</p>	<p><b>Seyed Ehsan Asadi</b></p> <p>Evidence for a rebalanced hemostatic system in pediatric liver transplantation: A prospective cohort study</p>	<p><b>Saeedeh Salehi</b></p> <p>Transitional immature regulatory B cells and regulatory cytokines can discriminate chronic antibody-mediated rejection from stable graft function</p>	

13:00  
14:00

Break & poster visiting





**ICIA 2021**  
AHVAZ

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 3**  
Friday, 29 January, 2021

**Panel 4**

**Psychoneuroimmunology & Immuno-endocrinology**

**Keynote Speaker**

<p><b>Ahmad Ali-Noorbala</b> Psychoneuroimmunology of depression</p>	<p><b>Mojdeh-Ghabaee</b> Pathophysiology of autoimmune encephalitis</p>	<p><b>Sara-Hashempour</b> Psychoneuroimmunology of psychosis</p>
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**Oral presentation**

<p><b>Elnaz khosh</b> Immunologic Effect of Tissue-Plasminogen Activator (t-PA) on Interleukin-10 (IL-10) in Acute Ischemic Stroke Patients</p>	<p><b>maryam zare rafie</b> IL-38; as an early predictor marker for the ischemic stroke prognosis</p>	<p><b>Morteza Jafarinia</b> Assessment of plasma Osteopontin level in relapsing- remitting multiple sclerosis patients</p>	<p><b>Azita Mohammadzadeh</b> Evaluation of the Immunological Factor Hepcidin in Ischemic Stroke Patients Receiving the tissue-Plasminogen Activator (t-PA)</p>
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**Break & poster visiting**



**ICIA 2021**  
AHVAZ

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



DAY 3

Friday, 29 January, 2021

## Panel 5

### Immunopharmacology & Medicinal Plants

#### Keynote Speaker

Mojdeh Hakemi-Vala

Somayeh Ghotloo

Mojgan Tansaz

Design and screening of melittin-derived peptides and evaluation of their antibacterial and toxicity activity in cell culture

Anti-tumor effects of the aqueous seed extract of *Trachyspermum ammi* (L.) sprague on human cancer cell lines

Introduction of traditional Iranian medicine and its therapeutic approach in Covid-19 disease

#### Oral presentation

Ali Saeedi-Borujeni

Fatemeh Mashhadi

Somayeh Ghotloo

Maryam Mohammadlou

Amin Dakhili Ardestani

Tranilast: A NLRP3 Inflammasome Inhibitor Drug for COVID-19

Immunomodulatory Activities of Extracts and Essential Oils of Two Oregano Species (*Origanum Vulgare* L. and *Origanum Majorana* L.)

Anti-tumor effects of the aqueous seed extract of *Trachyspermum ammi* (L.) sprague on human cancer cell lines

Impact of Berberine on anti-apoptotic Bcl-2 protein expression in patient with B-Chronic Lymphocytic Leukemia

Evaluation of chemical content, antioxidant, anti-inflammatory and anti-proliferative effects of *Ferula assa foetida* gum essential oil on MDA-MB-468 breast cancer cell line

Break & poster visiting





**ICIA 2021**  
AHVAZ

# 15<sup>th</sup> Virtual International Congress of Immunology and Allergy

27-29 January /AJUMS/Ahvaz / Iran



**DAY 3**  
Friday, 29 January, 2021

**Main Panel**

14:00  
14:40  
**Dieter Kabelitz**  
**Perspectives of human gamma/delta T-cells for immunotherapy of cancer**

14:50  
16:00  
**Closing Ceremony**

	<b>Workshop 1</b>	<b>Workshop 2</b>	<b>Workshop 3</b>	<b>Workshop 4</b>
16:00 18:00	<b>How to publish an article in reputable journals</b>	<b>Introduction to lymphocyte proliferation assessment methods with emphasis on CFSE method and its flow cytometric analysis in Flowo-jo software</b>	<b>Theoretical and practical aspects of purification, production and characterization of immunogens</b>	<b>Analyzing real-time PCR data</b>
18:00 20:00	<b>Preparation of CAR T cells</b>	<b>Key points in multi-color flow cytometry panel design</b>	<b>Basics of working with Viral vectors</b>	<b>Introduction and presentation of different statistical graphs with Excel and Graph Pad Prism software</b>

