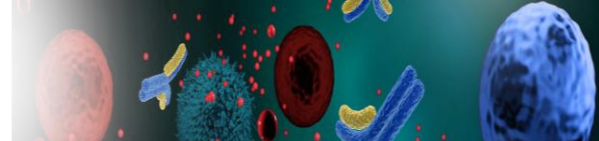
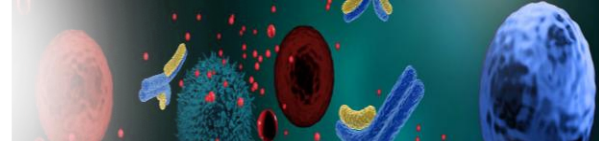


1st Day			
Challenges & Opportunities Regarding the Development & Manufacturing of Vaccines: Experience from COVID-19 Vaccines (Hall 1)			
Thursday 27 April 2023 9:00-10:45			
Chairs: Mohammad Vojgani (TUMS, Tehran), Seyed Mahmoud Hashemi (SBMU, Tehran), Majid Mokhtari (SBMU, Tehran), Seyed Reza Banihashemi (Razi Institute, Tehran), Vahid Khoddami (ReNAP), Fereidoun Mahboudi (CinnaGen Co., Tehran), Mohammadreza Salehi (TUMS, Tehran), Mohammad Taqavian (BARKAT)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Majid Mokhtari	Long COVID; an overview and the Impact of COVID-19 Vaccination	15
	Fereidoun Mahboudi	Strategy of vaccine manufacturing for developing countries	15
	Mohammadreza Salehi	A short review on Iranian COVID-19 vaccines: Development and challenges	15
	Seyed Reza Banihashemi	Approaches to the research, development, and production of the Razi-Cov Pars vaccine and its comparison with new approaches in controlling the COVID-19 pandemic in the world	15
	Vahid Khoddami	COrE nAPCIN: The first Iranian mRNA vaccine	15
	Mohammad Taqavian	Inactivated Corona Vaccine Development; Challenge, Overcome and Prevail	



1st Day			
Vaccines (Hall 2)			
Thursday, 27 April 11:00-12:30			
Chairs: Ali Mohaghegh Harandi (Gothenburg, Sweden), Sima rafati (Pasteur Institute, Tehran), Mostafa Haji Molla Hoseini (SBMU, Tehran), Fatemeh Ghaffarifar (TMU, Tehran), Farzin Roohvand (Pasteur Institute, Tehran), Katayoun Samimi Rad (TUMS, Tehran)			
Keynote Speaker	Name & Family	Title	Time (Min)
	Ali Mohaghegh Harandi	Vaccine immunology research for disease X: lessons learned from Ebola and COVID-19	15
	Farzin Roohvand	PastoCoVac-Soberana vaccine against COVID-19: a joint co-produced vaccine by Pasteur Institute of Iran and Finlay institute of Cuba	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
25575	Sakineh Pirahmadi	The triple combination of adjuvants induces strong and functional immune responses against CelTOS antigen of Plasmodium falciparum in BALB/c mice	7
30207	Mahya Sadat Lajevardi	A non-pathogenic recombinant Leishmania tarentolae expressing sand fly PpSP15 and PsSP9 salivary proteins as a dual live vaccine candidate against Leishmania major and Leishmania tropica in BALB/c mice	7
25647	Mahsa Eshkevar Vakili	Lower frequency of T stem cell memory (TSCM) cells in hepatitis B vaccine nonresponders	7
23185	Sara Karimi	Investigation of frequencies of various B cell populations in non-responder health care workers in comparison to responders to HBV vaccination	7
29991	Danyal Imani	Immunogenicity and protective efficacy of a newly developed acellular pertussis vaccine in a murine intranasal model	7

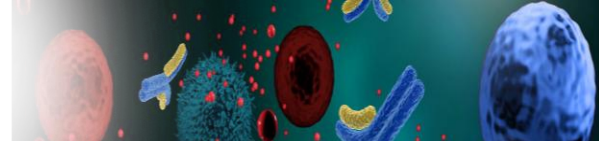
**1st Day****Reproductive Immunology
(Hall 3)****Thursday, 27 April,
11:00-12:30****Chairs:**

Seyed Mohammad Moazzeni (TMU, Tehran), Amirhasan Zarnani (TUMS, Tehran),
Samira Rajaei (TUMS, Tehran), Mehdi Yousefi (TBZMED, Tabriz),
Maryam Tavakoli (Avicenna, Tehran), Abbas Rezaei (MUI, Isfahan),
Ali-Akbar Delbandi (IUMS, Tehran)

Keynote Speaker	Name & Family	Title	Time (Min)
	Amirhasan Zarnani	The Role of Inflammation in Reproduction	30

Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
25545	Elaheh Abdollahi	Vitamin D deficiency as a risk factor for endometriosis in Iranian women	6
31792	Nesa Rashidi	Effect of active vitamin D3 on estrogen synthesis and signaling pathway in endometriotic patients	6
30527	Seyed Mohamad Javad Mirarefin	Differential effects of decidual microenvironment from abortion-prone and normal pregnancies on murine natural killer cells	6
31611	Maryam Eskandarian	Mesenchymal stem cells therapy changes the decidual microenvironment to modulate the dendritic cells properties in benefit of pregnancy maintenance	6
25643	Morteza Taravat	A drug delivery system using Rosmarinic acid loaded to exosome improve endometritis by blocking TLR4-NLRP3 signaling pathway	6
25487	Forough Parhizkar	The assessment of CD39, CD73, and HIF-1 α expression and their related miRNAs in Recurrent Pregnancy Loss	6
31749	Nesa Rashidi	Effect of 1,25(OH)2D3 on proliferation, cell cycle and apoptosis in endometriotic patients	6
31612	Maryam Eskandarian	Dendritic cells modulation by mesenchymal stem cell promises a protective microenvironment at the feto-maternal interface: improved outcome of pregnancy in abortion prone mice	6
30378	Maryam Sadat Hasheminasab	Investigating the frequency of CD4 ⁺ and CD8 ⁺ memory lymphocyte populations (central, effector, stem cell) in the peripheral blood of women with successful IVF, failed IVF, and women with normal pregnancies	6

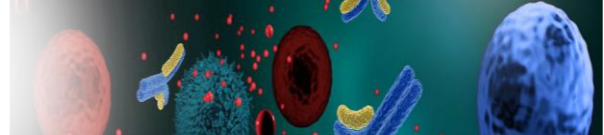
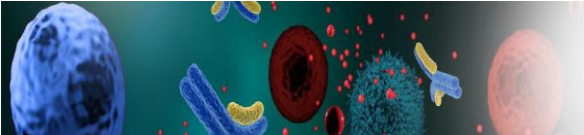
**1st Day****Immunology of Bacterial Infections
(Hall 4)****Thursday, 27 April
11:00-12:30****Chairs:**

Nariman Mosaffa (SBMU, Tehran), Fatemeh Fallah (SBMU, Tehran), Payam Tabarsi (SBMU, Tehran), Sara Soudi (TMU, Tehran), Mehdi Shekarabi (IUMS, Tehran),
Mojdeh Hakemi Vala (SBMU, Tehran), Masoud Dadashi (ABZUMS, Alborz),
Ebdolreza Esmaeilzadeh (ZUMS, Zanjan)

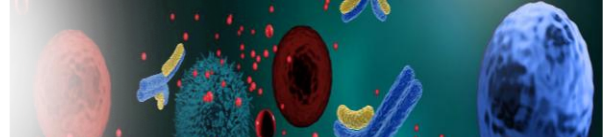
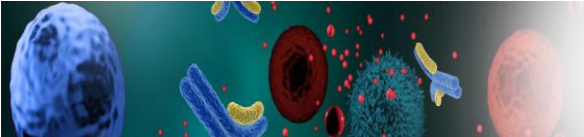
	Name & Family	Title	Time (Min)
Keynote Speakers	Sara Soudi	Phage therapy; an adjunctive approach for sepsis control	15
	Payam Tabarsi	Cystic Fibrosis	15
	Masoud Dadashi	F.nucleatum, B.fragilis and CRC: anaerobic bacteria-cancer interaction	15

Oral Presentation

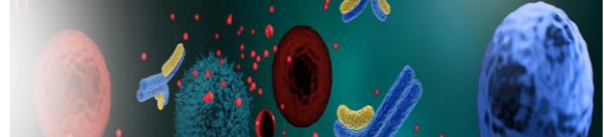
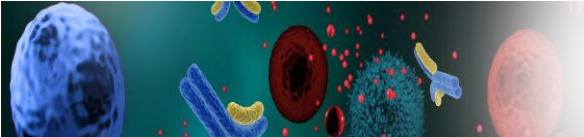
Abstract Code	Name & Family	Title	Time (Min)
24409	Danyal Imani	Novel mouse monoclonal antibodies against Bordetella pertussis pertactin (PRN) antigen with versatile applications	
30318	Ali Torkian	A comparison between adjuvant and delivering functions of aluminum hydroxide and polyethylenimine nanoparticles, using a chimeric protein of Brucella Omp19-Omp31	7
24349	Arezou Khosrojerdi	Creating and evaluation an animal model of sepsis (acute inflammation) by the CLP method	7
30503	Nafiseh Shakibamehr	Serological evaluation of horse specimens suspected of glanders using Western blot	7
30529	Fatemeh Sadat Mohammadi	Tuberculosis result of host mycobacterium interaction; evaluating of host defense and bacteria virulence factors expression	7



1st Day			
Practical Steps in Designing, Running & QC of a Production Line (Hall 5)			
Thursday, 27 April, 11:00-12:30			
Chairs: Ali Mostafaei (KMU, Kermanshah), Farshid Yeganeh (SBMU, Tehran), Mohamad Javad Rasaei (TMU, Tehran), Mir Hadi Jazayeri (IUMS, Tehran), Mahdi Shabani (SBMU, Tehran), Sajad Emami (Idealdiag), Maryam Khatami (Pasteur Institute, Tehran), Kamran Mansouri (KMU, Kermanshah), Ali Kargar kheyraabad (Arghavan Teb Kavian)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Sajad Emami	GMP rules in production of immunoassay kits	15
	Mahdi Shabani	Designing and development of diagnostic kits: From theoretical idea to practical production	15
	Maryam Khatami	Production and quality control of vaccines	15
	Mohamad Javad Rasaei	Production of immunoassay kits	15
	Ali Kargar Kheyraabad	Production of molecular kits	15
	Kamran Mansouri	Stem cells and stem cell derivatives in regenerative medicine	15



1st Day			
Veterinary & Comparative Immunology (Hall 6)			
Thursday, 27 April 11:00-12:30			
Chairs:			
Hassan Tajbakhsh (UT, Tehran), Gholamreza Nikbakht Borujeni (UT, Tehran), Javad Qareghozlo (UT, Tehran), Jalil Mehrzad (UT, Tehran), Mohammad Hasan Mutadayen (Razi Institute, Tehran), Mohammad Khosravi (SCU, Ahwaz), Khatereh Kafshdozan (Semnan), Morteza Abkar (Ashrafi Isfahani U, Isfahan), Seyyed Mahdi Emam (Zoetis, USA)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Seyed Mehdi Emam	Immunogenetics: the platform of individual-based veterinary medicine	15
	Jalil Mehrzad	Noticeable changes in some key-immune molecules' transcription in dogs infected with parvovirus	15
	Morteza Abkar	Vaccine adjuvants for infectious disease	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
30319	Ali Torkian	A comparison between adjuvant and delivering functions of zinc oxide and gelatine nanoparticles, using a chimeric protein of Brucella Omp19-Omp31	6
25661	Mohammad Ali Shamshirgaran	Significant protection of broiler chickens against necrotic enteritis after oral vaccination with the recombinant probiotic-based vector vaccine	6
24285	Yeganeh Heydarkhani	Investigating the causes of vaccination failure against Newcastle Disease and Avian Influenza in Semnan broiler flocks	6
25679	Mohammad Ali Shamshirgaran	A live recombinant probiotic vaccine expressing NetB toxoid could confer significant protective immunity against Clostridium perfringens infection in broiler chickens	6
31573	Abdolreza Nabinejad	Monitoring of avian Influenza in some Waterd birds	6
30224	Pouya Houshmand	An introduction to the insect immunity	6
30343	Masoumeh Sadat Derakhsh	Subcutaneous vaccination with Urease-omp19 loaded chitosan and gelatin nanoparticles elicit high protection against Brucella melitensis	6
32916	Faezeh Oskoueyan	Assessment of passive immunity in neonatal calves in dairy herd in Mashhad suburb by measuring serum total protein	6

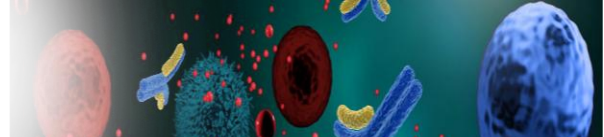
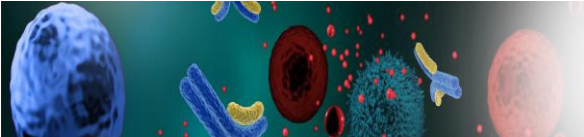
**1st Day****Exercise Immunology
(Yasini Hall)****Thursday, 27 April
11:00-12:30****Chairs:**

Ali Mazaherinezhad (IUMS, Tehran), Mahdieh Molanouri Shamsi (TMU, Tehran),
Maryam Abolhasani (TUMS, Tehran), Sadegh Amani (KHU, Tehran),
Hamid Agha-Alinejad (TMU, Tehran), Masoud Rahmati (LUMS, Lorestan),
Hooman Angoorani (IUMS, Tehran), Hossein Shirvani (BMSU, Tehran)

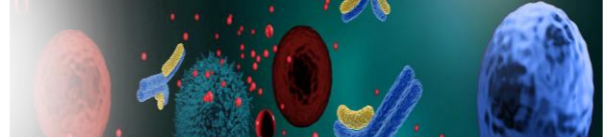
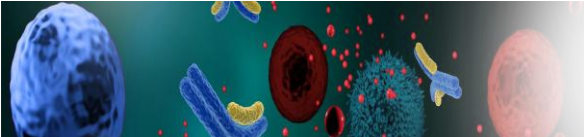
	Name & Family	Title	Time (Min)
Keynote Speakers	Katsuhiko Suzuki	Involvement of Neutrophils in Exercise-induced Muscle Damage and its Prevention	30
	Ali Mazaherinezhad	Elite Athletes, and Immune System	12
	Maryam Abolhasani	Multiple sclerosis, Immune System, and Exercise	12
	Sadegh Amani-Shalamzari	The Effect of Exercise Training and Vitamin D Supplementation on the Leukocyte Responses	12

Oral Presentation

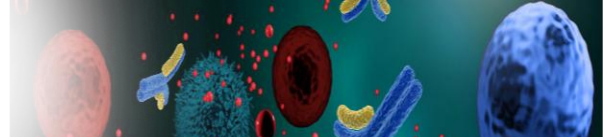
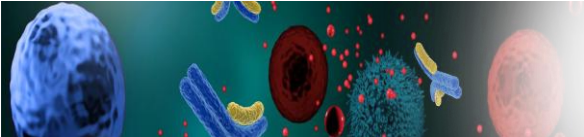
Abstract Code	Name & Family	Title	Time (Min)
35183	Hossein Ali Khazaei	The effect of 8 weeks of aerobic exercise on the serum levels of CRP and IL-17 in Covid-19 patients after the treatment of the disease	6
25600	Mona Pourmohammad	Home-based exercise training can modulate transforming growth factor beta levels in pregnancy	6
32993	Elham Shahabpour	Anti-inflammatory effects of 6 weeks of interval swimming training on PGC-1 α gene expression in the biceps muscle tissue of male wistar rats	6
32996	Zahra Mirakhori	Irisin have anti-inflammatory effects in response to exercise	6
30154	Hossein Shirvani	Investigating the effect of exercise training along with the consumption of Lactobacillus rhamnosus bacteria on the expression of inflammatory chemokine CXCL2 and NF- κ B in rats with steatosis	6
25598	Mona Pourmohammad	Regular physical exercise can change interleukin-10 and tumor necrosis factor alpha in pregnant women	6



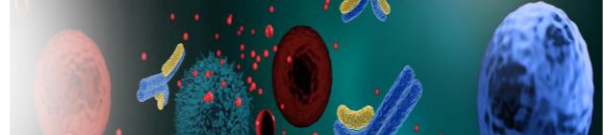
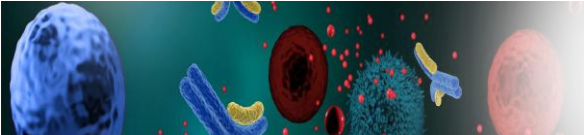
1st Day			
Immunovirology (Hall 2)			
Thursday, 27 April 13:30-15:00			
Chairs: Hossein Keyvani (IUMS, Tehran), Mahshid Talebi-Taher (IUMS, Tehran), Mitra Barati (IUMS, Tehran), Shahnaz Sali (SBMU, Tehran), Seyed Moayed Alaviyan (BMSU, Tehran), Farah Bokharaei-Salim (IUMS, Tehran), Khodayar Ghorban (AJAUMS, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Farah Bokharaei-Salim	An introduction to hepatitis B virus	15
	Mitra Barati	Chronic hepatitis in pregnancy	15
	Shahnaz Sali	Complicated chronic hepatitis B case presentation	15
	Mahshid Talebi-Taher	Occult hepatitis B	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
30332	Saeed Firoozi Ghahestani	The seroprevalence of hepatitis B in municipal waste collectors in Shiraz, southwest of Iran	6
24445	Kurosh Kalantar	Epstein-Barr virus infection and toll-like receptor 9 gene variants affect the susceptibility of Iranian individuals to rheumatoid arthritis	6
30531	Hamed Sabri	Newcastle disease virus variants synergize the effects of doxorubicin to inhibit tumor growth: evidence from a murine breast cancer model	6
31694	Maryam Rostamtabar	Relationship between viral load and IL-1 α , IL-6, IL-10, and TNF- α cytokines levels with disease severity in Crimean Congo hemorrhagic fever patients	6



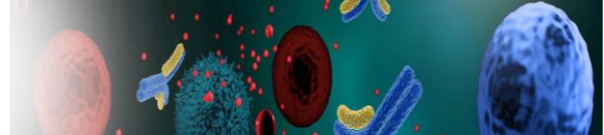
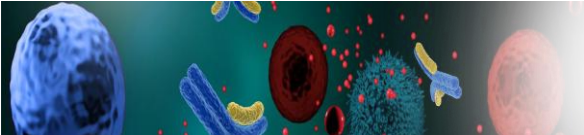
1st Day			
Immunoinformatics & In-silico Immunology (Hall 3)			
Thursday, 27 April 13:30-15:00			
Chairs:			
Farshid Noorbakhsh (TUMS, Tehran), Forouzan Karimi (SBMU, Tehran), Saeid Talebi (IUMS, Tehran), Kaveh Kavousi (IBB), Seyed Amir Marashi (Tehran), Kowsar Bagherzadeh (IUMS, Tehran), Gholamali Kardar (TUMS, Tehran), Majid Khoshmirsafa (IUMS, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Farshid Noorbakhsh	A review of in-silico immunology in post-genomic era	20
	Kowsar Bagherzadeh	Application of structural bioinformatics in immunology	20
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
26769	Navid Abedpoor	Diagnosis and prognosis of colorectal cancer based on artificial intelligence	7
30342	Mahya Sadat Lajevardi	T2A linker-based in-silico modeling of a live non-pathogenic <i>Leishmania tarentolae</i> vaccine expressing two promising candidates from sandfly vector	7
30453	Amirreza Mehmandar Oskuie	Lon protease of <i>Escherichia Coli</i> as a possible therapeutic candidate against bladder cancer using bioinformatics analysis	7
26774	Ahmad Najafi	Production of a stable cell line expressing HER2 receptors devoid of dimerization domain: a platform for subtractive phage display	7
31686	Fatemeh EmamiPari	Whole blood transcriptome analysis in autoimmune patients	7



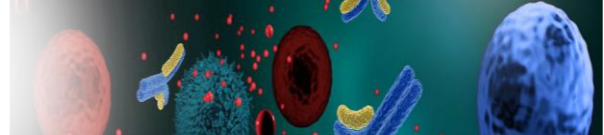
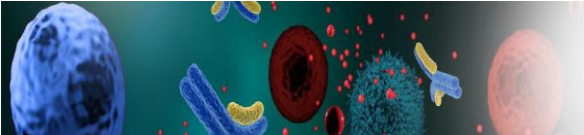
1st Day			
Immunoparasitology (Hall 4)			
Thursday, 27 April 13:30-15:00			
Chairs: Mohammad Hossein Alimohammadian (Pasteur Institute, Tehran), Ali Khamesipour (TUMS, Tehran), Hossein Keshavarz Valian (TUMS, Tehran), Hossein Mortazavi Mehdiabad (TUMS, Tehran), Mostafa Hajimolahoseini (SBMU, Tehran), Sara Soudi (TMU, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Abhay Satoskar	The hope for prophylactic vaccine for leishmaniasis	20
	Soheila Ajdary	Immunomodulatory effects of extracellular vesicles from <i>Leishmania</i>	15
	Hossein Keshavarz Valian	Malaria: immune responses and vaccine development	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
34040	Alireza Ashiri	Prevalence of asymptomatic strongyloidiasis co-infection in COVID-19 patients residing in endemic areas	7
31509	Rasool Rahimi Junqani	Evaluating immune responses to a novel multi-antigenic DNA vaccine with Calcium Phosphate nanoparticles as an adjuvant against <i>Toxoplasma gondii</i>	7
30494	Maryam Hajizadeh	Attenuation of immune system following administration of <i>Fasciola hepatica</i> total extract and fatty acid binding protein in experimental autoimmune encephalomyelitis	7



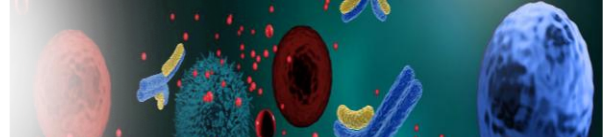
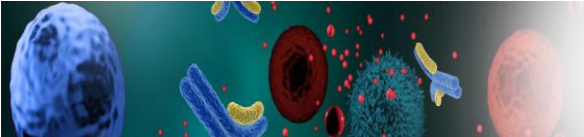
1st Day			
Immunosenescence and Aging (Hall 5)			
Thursday, 27 April 13:30-15:00			
Chairs:			
Tahereh Mousavi (IUMS, Tehran), Mehrnoosh Doroudchi (SUMS, Shiraz), Atefe Ghamar Talepoor (SUMS, Shiraz), Hamed Fouladseresht (MUI, Isfahan), Zahra HabibAgahi (SUMS, Shiraz), Eisa Salehi, Kurosh Kalantar (SUMS, Shiraz)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Mehrnoosh Doroudchi	T-cell senescence: definitions and criteria	15
	Zahra Habibagahi	Immunosenescence in rheumatoid arthritis	15
	Atefe Ghamar Talepoor	Immunosenescence in atherosclerosis	15
	Hamed Fouladseresht	Reversing immunosenescence as a therapeutic method	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
30036	Forough Chakari-Khiavi	Development of electrochemical nanobiosensor for early diagnosis of Alzheimer's disease	7
23118	Niloofar Mashhadi	Senescent CD4 ⁺ T lymphocytes increase in the peripheral blood of patients with Buerger's disease	7
28941	Afsaneh Zare	LDLR rs2228671 CC genotype is associated with lower BMI in men with diabetes mellitus	7



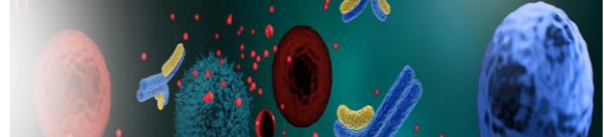
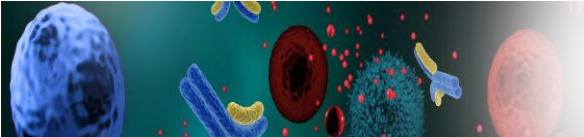
1st Day			
Immunology of Fungal Infections (Hall 6)			
Thursday, 27 April 13:30-15:00			
Chairs: Mohammad Ali Bahar (IUMS, Tehran), Sadegh Khodavaisy (TUMS, Tehran), Abbas Mirshafiey (TUMS, Tehran), Payam Tabarsi (SBMU, Tehran), Mohammad Taghi Hedayati (MAZUMS, Mazandaran), Mohammadreza Salehi (SBMU, Tehran), Ilad Alavi Darazam (SBMU, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Payam Tabarsi	Fungal infections in primary immunodeficiencies	15
	Mohammad Taghi Hedayati	Biomarkers in the serological diagnosis of invasive aspergillosis: immunological mechanisms and future directions	15
	Ilad Alavi Darazam	Fungal infections in new biologic therapies	15
	Mohammadreza Salehi	Immunological challenges of invasive fungal infections in COVID-19 patients	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
30163	Bahareh Bashardoust	Impact of silver nanoparticles on <i>Aspergillus fumigatus</i> and <i>aspf1</i> gene expression	6
34147	Elaheh Sasani	COVID-19-associated aspergillosis and mucormycosis: case series and comprehensive review	6
34151	Hadi Amrollahi	Immunological aspects of fungal infections in burn patients	6
25720	Hamid Morovati	Fungal vaccines, mechanism of actions and immunology: a comprehensive review	6
34171	Afsaneh Mohammadi	Comparing the <i>in vitro</i> activity of seven antifungal drug with Chlorhexidine against most important causative agents of fungal keratitis	6



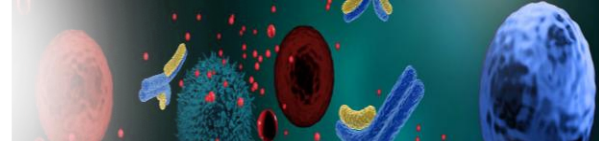
1st Day			
Transplantation Immunology (Yasini Hall)			
Thursday, 27 April 13:30-15:00			
Chairs: Behrouz Nikbin (TUMS, Tehran), Ali Akbar Amirzargar (TUMS, Tehran), Mohsen Nafar (SBMU, Tehran), Hasan Otukesh (IUMS, Tehran), Mohsen Nasiri Toosi (TUMS, Tehran), Mohammadreza Ostadali (TUMS, Tehran), Mir Hadi Jazayeri (IUMS, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Mohsen Nafar	Kidney transplantation	20
	Mohsen Nasiri Toosi	Immunology of the Liver: from homeostasis to disease	20
	Mohammadreza Ostadali	Unrelated donor matching strategies in bone marrow transplantation	15
	Ghasem Solgi	An update on pre-transplant immune monitoring	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
31707	Samaneh Karimi	Fabrication of bioartificial pancreas using decellularized rat testicular tissue	8
31717	Sanaz Keshavarz Shahbaz	TGF- β 1, Smad3, miR-21, and miR-29 genes expression patterns as the possible predictive biomarkers of interstitial fibrosis and tubular atrophy during the first-year post-renal transplantation. A cohort report	8



2nd Day			
Cancer Immunology (1)			
(Hall 2)			
Friday, 28 April			
8:00-10:00			
Chairs:			
Abbas Ghaderi (SUMS, Shiraz), Behzad Baradaran (TBZMED, Tabriz), Abolghasem Ajami (MAZUMS, Mazandaran), Tohid Kazemi (TBZMED, Tabriz), Hossein Asgarian Omran (MAZUMS, Mazandaran), Fereshteh Mehdipour (SUMS, Shiraz), Zahra Sadat Faghih (SUMS, Shiraz), Nahid Arabi (AJAUMS, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Abbas Ghaderi	T cells dysfunction in tumor microenvironment	15
	Fereshteh Mehdipour	TNF- α , and cancer: friends or foes?	15
	Zahra Sadat Faghih	Memory T cells in cancer	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
30524	Benyamin Baghani	The additive cytotoxic effect of exosomes derived from natural killer cells with mitoxantrone in liver cancer treatment	6
25522	Fatemeh Aminiyan	Evaluation the effect Oncolytic Echovirus 1 in the treatment of breast cancer in BALB/c mice	6
31740	Armin Akbar	Exhausted CD8 ⁺ T cells in acute lymphoblastic leukemia (ALL) show a progenitor phenotype	6
31765	Asiye Akbarian	Enhancement of folate-conjugated artemether nanoparticle-mediated immunomodulatory actions on triple negative breast cancer 4T1 tumor mouse model	6
31816	Reihane Rasooli Tehrani	Evaluation of innate and specific lymphocytes and related cytokines in two different types of mouse breast cancer induced by 4T1 and MC4-L2 cell lines	6
26781	Javad Firouzi	Hsp70 interferes with IL-15 and PD-1 blocker-mediated NK cells cytotoxicity induction in relapsed acute myeloid leukemia patients	6
24308	Niloofer Namvar	Investigation of the protein expression and prognostic significance of PD-1, PD-L1, CD45RO and MMR in gastric cancer tissues	6
25525	Javad Masoumi	Inhibition of apelin/APJ axis enhances the potential of dendritic cell-based vaccination to modulate Th1 and Th2 cell-related immune responses in an animal model of metastatic breast cancer	6
25538	Marzieh Ebrahimi	Intra-lesion injection of activated NK cells in recurrent malignant brain tumors	6
30038	Mahsa Hajivalili	MiR-34a loaded tumor derived exosomes can effectively halt the cell cycle and invasion capacity of 4T1 cells.	6



2nd Day			
Autoimmunity & Tolerance (Hall 3)			
Friday, 28 April 8:00-10:00			
Chairs: Shahnaz Rafiei Tehrani (TUMS, Tehran), Mahdi Mahmoudi (TUMS, Tehran), Mohammad Vodjgani (TUMS, Tehran), Reza Mansouri (SSU, Yazd), Ali Akbar Saboor Yaraghi (TUMS, Tehran), Nazanin Mojtavavi (IUMS, Tehran), Seyedeh Tahereh Faezi (TUMS, Tehran), Ali Farazmand (TUMS, Tehran)			
Keynote Speaker	Name & Family	Title	Time (Min)
	Ali Akbar Saboor- Yaraghi	B lymphocytes in multiple sclerosis (MS)	20
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
28819	Fahime Lavi	The immunological effects of adipose tissue mesenchymal stem cells (AT-MSCs) on in females with secondary progressive multiple sclerosis: clinical trial study	8
31587	Monireh Torabi Rahvar	Whole exome sequencing in a consanguineous Iranian family with familial multiple sclerosis	8
30482	Marjan Taherian	Dysregulated LKB1-AMPK signaling during bleomycin-induced pulmonary fibrosis development	8
27810	Mohsen Rokni	IFN- γ functions as a double-edged sword on the inflammation and fibrosis in the pathogenesis of systemic sclerosis	8
25593	Sheida Yahyazadeh	Flow cytometric analysis of follicular T helper lymphocytes and monocytes in Multiple sclerosis patients being treated with rituximab in comparison to newly detected subjects and healthy controls	8
31809	Zahra Mahmoudi	Efficacy of DMARDs and methylprednisolone treatment on the gene expression levels of HSPA5, MMD, and non-coding RNAs MALAT1, H19, miR-199a-5p, and miR-1-3p, in patients with RA	8
23132	Mohammad Reza Javan	Simultaneous transduction of dendritic cells with A20 and BTLA genes stimulates the development of stable and efficient tolerogenic dendritic cells and induces regulatory T cells	8

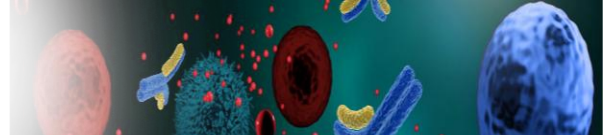
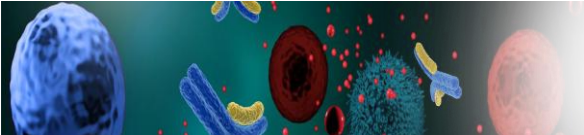
**2nd Day****Allergy and Immunotherapy of Allergic Diseases (Basic)
(Hall 4)****Friday, 28 April****8:00-10:00****Chairs:**

Alireza Salek Moghaddam (IUMS, Tehran), Shokrollah Farrokhi (BPUMS, Bushehr),
Mojtaba Sankian (MUMS, Mashhad), Mehrnaz Mesdaghi (SBMU, Tehran),
Hassan Nikouejad (BMSU, Tehran), Maryam Nourizadeh (TUMS, Tehran),
Raheleh Shokouhi Shoormasti (TUMS, Tehran)

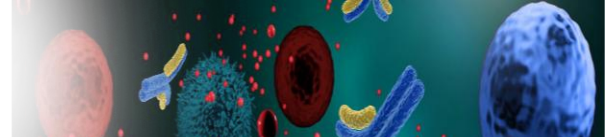
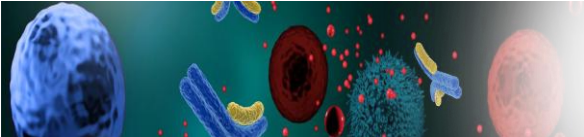
	Name & Family	Title	Time (Min)
Keynote Speakers	Raheleh Shokouhi Shoormasti	Allergen protein families	20
	Shokrollah Farrokhi	Chronic rhinosinusitis: the past, present and future	20
	Mojtaba Sankian	Nanoparticle delivery system for sublingual immunotherapy	20

Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
30264	Ali Baghersad	Immunochemical characterization of salix alba pollen allergens	8
30288	Sajad Dehnavi	Increased TGF- β secretion and reduced eosinophil infiltration following prophylactic sublingual regimen using ovalbumin-enriched mesenchymal stem cell-derived exosomes in the allergic murine model	8
30209	Seyed Mohammadreza Bolandi	Anti-inflammatory effect of bevacizumab in rat model of asthma	8
30290	Mahvash Sadeghi	Modulating Th1/Th2 balance by aptamer-modified ovalbumin-enriched mesenchymal stem cell-derived exosomes in allergic murine model through sublingual immunotherapy	8
32990	Majdedin Ghalavand	Effect of calcitriol treated mesenchymal stem cells as an immunomodulation micro-environment on allergic asthma in a mouse model	8



2nd Day			
Environmental Pollution and Immunology (Hall 5)			
Friday, 28 April 8:00-10:00			
Chairs: Massoumeh Ebtekar (TMU, Tehran), Shohreh Nikoo (IUMS, Tehran), Samira Ghobadzadeh (TMU, Tehran), Maryam Sharif (IUMS, Tehran), Zahra Javaherian (DOE, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Shohreh Nikoo	Effects of persistent organic pollutants and pesticides on the immune system	15
	Maryam Sharif	The importance of monitoring biological pollutants (pollen grains and fungal spores) in healthiness of the respiratory air in Tehran	15
	Samira Ghobadzadeh	Effects of air pollution on immune responses in health and diseases	20
	Massoumeh Ebtekar	Environmental pollution and immune responses	20
	Zahra Javaherian	Green management in universities, hospitals, and official places	20
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
23215	Sheyda Mohammadkhani	Evaluation of Diesel exhaust particles (DEPs) effects on inflammasome pathway in an experimental model of asthma	10
27792	Zahra Kanannejad	Geo-climatic variability and adult asthma hospitalization in Fars, southwest Iran	10

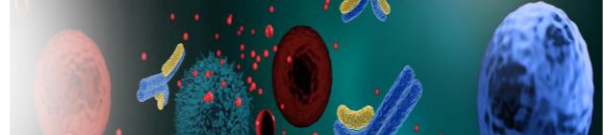
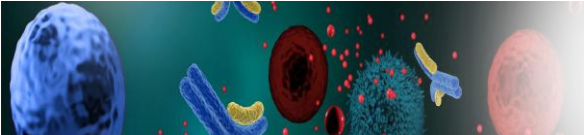
**2nd Day****Immunohematology and Transfusion Medicine
(Hall 6)****Friday, 28 April
8:00-10:00****Chairs:**

Behjat Moaiedi (MUI, Isfahan), Ali Akbar Pourfatollah (TMU, Tehran),
Sedigheh Amini Kafi-Abad (IBTO), Mahtab Maghsudlu (IBTO), Mojgan Shaiegan (IBTO),
Karim Shams Asenjan (TBZMED, Tehran), Maryam Kheirandish (IBTO),
Minoo Shahidi (IUMS, Tehran), Majid Safa (IUMS, Tehran)

	Name & Family	Title	Time (Min)
Keynote Speakers	Sedigheh Amini-Kafiabad	Iran, COVID-19 pandemic, blood donation and safety	15
	Ali Akbar Pourfathollah	Research and innovation in the blood transfusion medicine	15
	Minoo Shahidi	Platelet transfusion refractoriness	15

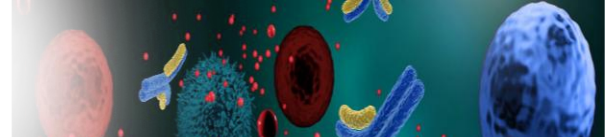
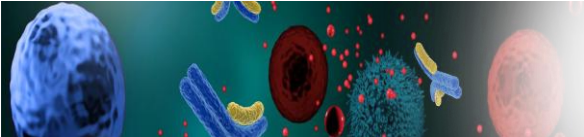
Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
31534	Hooman Ramezany	Prevalence and phylogenetic studies of human Parvovirus 4 among healthy blood donors and deferred donors suspected of having HTLV-I/II infections in Iran	7
35357	Zeynab Asgari	Identification of microRNAs involved in P53 signaling pathway in in HTLV-1 associated Adults T cell leukemia / lymphoma (ATLL)	7
34119	Fatemeh Ghorbani	Auraptene-induced cytotoxic effects in Acute Myeloid Leukemia cell lines	7
31722	Farshid Saadat	Impact of intravenous immunoglobulin in G6PDD neonates with hyperbilirubinemia	7
30408	Parvin Khalilian	Toll-like receptor 4,2 and interleukin 1 receptor associated kinase4: possible diagnostic biomarkers in myelodysplastic syndrome patients	7

**2nd Day****Nanoimmunology
(Yasini Hall)****Friday, 28 April
8:00-10:00****Chairs:**

Mehdi Khoobi (TUMS, Tehran), Seyed Amir Jalali (SBMU, Tehran),
Farhad Jadidi-Niaragh (TBZMED, Tabriz), Rassoul Dinarvand (TUMS, Tehran),
Mahmoud Reza Jaafari (MUMS, Mashhad), Hamidreza Moghimi (SBMU, Tehran)

Keynote Speaker	Name & Family	Title	Time (Min)
	Shima Tavakol	Unveiling the complexities of immune responses to nanoparticles: implication for nanomedicine and biomedical applications	30
	Rassoul Dinarvand	Application of nanoimmunology in drug delivery systems	30
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
24382	Siavosh Kaki Sahneh	Alleviative effects of silver nanoparticles of the aqueous extract <i>Matricaria chamomilla</i> against acetaminophen-induced hepatotoxicity in mouse	10
24246	Mahtab Pourkamalzadeh	Hepatoprotective, nephroprotective, hematoprotective, immunoprotective, and gastroduodenal protective properties effects of the silver and copper nanoparticles synthesized using the aqueous extract of <i>Falcaria vulgaris</i> in Wistar male rats	10
25529	Mehdi Barati	Enhanced anti-tumor immune responses by nano liposomes encapsulated plasmid anti PD-1 small interference RNA in melanoma tumor model	10



2nd Day

Cancer Immunology (2) (Hall 2)

Friday, 28 April
10:30-12:30

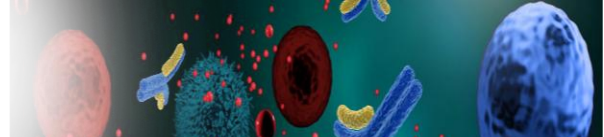
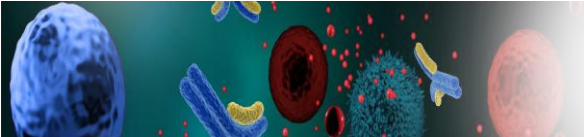
Chairs:

Abbas Ghaderi (SUMS, Shiraz), Behzad Baradaran (TBZMED, Tabriz), Abolghasem Ajami (MAZUMS, Mazandaran), Jamshid Hadjati (TUMS, Tehran), Elahe Safari (IUMS, Tehran), Minoo Shahidi (IUMS, Tehran), Amirhossein Saeidian (Thomas Jefferson U, USA), Mohsen Tehrani (MAZUMS, Mazandaran)

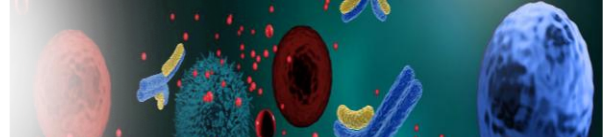
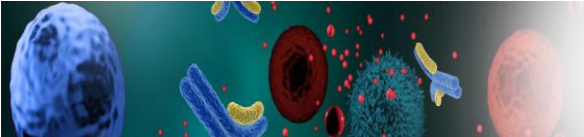
Keynote Speakers	Name & Family	Title	Time (Min)
	Behzad Baradaran	Human dendritic cell subsets: an update for functionality in cancer	15
	Amirhossein Saeidian	Investigating the molecular genetics and viral repertoire of patients with Epidermodysplasia Verruciformis as a prototype of cutaneous human papillomavirus infections	15
	Mohsen Tehrani	Stages of T cell exhaustion	15

Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
29988	Bahar Naseri	siRNA-mediated LncRNA PVT1 knockdown inhibits Paclitaxel-induced inflammatory cytokines expression in AGS human gastric adenocarcinoma cells	6
25524	Amin Aliabadi	<i>In vitro</i> and <i>in vivo</i> anticancer activity of mebendazole on colon cancer	6
28898	Nafiseh Behranvand	Galectin-9 increases the expression of IL-1 β and its protein level in U937 cells	6
24408	Saeid Taghiloo	The effects of c-Kit Receptor, AKT, and NF- κ B signaling pathway inhibitors on the immune evasion mechanisms of multiple myeloma cell line	6
23133	Farid Ghorbaninezhad	Cytotoxic T-lymphocyte antigen 4 (CTLA-4) silencing in colorectal cancer lysate-pulsed DCs enhances their maturation and activation	6
30456	Maryam Dorfaki	The effect of adipose-tissue derived mesenchymal stem cells on proliferation, apoptosis, and cytokine expression of the healthy individual's PBMCs co-cultured with HeLa cell line	6
23235	Ali Moazzeni	Bioinformatics approaches in designing and verifying anti-BCMA-CAR T cells	6
30120	Behnia Akbari	The inhibitory receptors PD1, Tim3, and A2aR are highly expressed during mesoCAR T cell manufacturing in advanced human epithelial ovarian cancer	6
25567	Shabnam Bahrami	Oncolytic Newcastle disease virus effects on immune response: a new issue in cancer treatment	6



2nd Day			
Immunology of Rheumatologic Diseases (Hall 3)			
Friday, 28 April 10:30-12:30			
Chairs: Mahmoud Mahmoudi (MUMS, Mashahd), Nahid Kianmehr (IUMS, Tehran), Anousheh Haghighi (IUMS, Tehran), Elham Rajaei (AJUMS, Ahvaz), Majid Khoshmirsafa (IUMS, Tehran), Maryam Moghaddasi (TUMS, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Elham Rajaei	Autoimmunity and COVID-19	20
	Nahid Kianmehr	Autoimmune diseases following COVID-19	20
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
34075	Morteza Hosseinzadeh	Investigation of prognostic markers genes expression (miR-16, miR-132) in follow-up and treatment process of rheumatoid arthritis patients in Ilam	10
31799	Paria Bayati	Modulation of the PI3K/AKT pathway genes by induced pluripotent stem cells in the context of experimental mouse idiopathic pulmonary fibrosis	10
31537	Mehrnoosh Pashaei	Effects of the fibroblast activation protein inhibitor, talabostat, on the expression of mediators that are involved in the fibrosis and inflammation in systemic sclerosis	10
31701	Sina Bahar Aghdam	The impacts of exosomes derived from PBMCs of ankylosing spondylitis patients on T cell profiles	10
31503	Mina Sadeghi Shaker	Evaluation of salirasib effect on the expression of genes involved in fibrosis in skin fibroblasts of systemic sclerosis patients	10



2nd Day

Allergy and Immunotherapy of Allergic Diseases (Clinical) (Hall 4)

Friday, 28 April
10:30-12:30

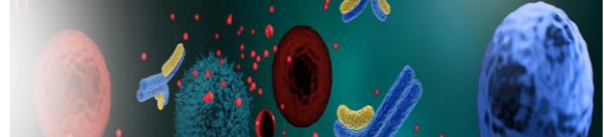
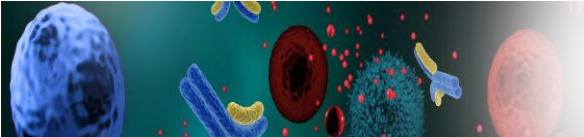
Chairs:

Reza Farid Hosseini (MUMS, Mashhad), Mohammad Fereidouni (BUMS, Birjand), Alireza Ranjbar (Bon, Germany), Mozghan Moghtaderi (SUMS, Shiraz), Ramin Ghasemi (MUI, Isfahan), Javad Ghaffari (MAZUMS, Mazandaran), Mohammad Reza Fazlollahi (TUMS, Tehran), Morteza Fallahpour (IUMS, Tehran), Sima Shokri (IUMS, Tehran), Farhad Abolnezhadian (AJUMS, Ahvaz)

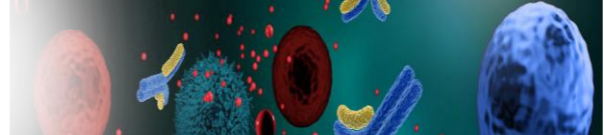
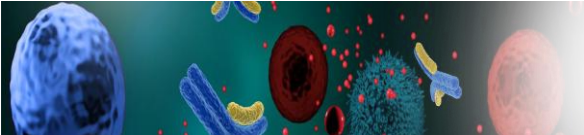
	Name & Family	Title	Time (Min)
Keynote Speakers	Alireza Ranjbar	Allergen-specific immunotherapy on the basis of clinical and molecular allergy	20
	Mohammad Fereidouni	Recent findings in the field of allergy	20

Oral Presentation

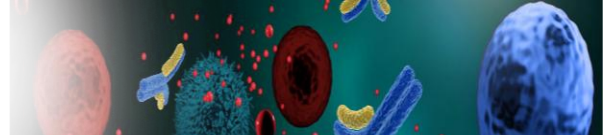
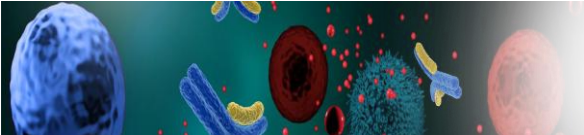
Abstract Code	Name & Family	Title	Time (Min)
33009	Mohammad Shekari Yazdi	Functional immunology	15
29971	Rasoul Baharlou	The effect of multi strains of probiotics on Th17-related cytokines in patients with asthma: a randomized, double-blind, placebo-controlled trial	10
25703	Homa Sadri	Association of allergic diseases and seizures in children	10
30422	Fatemeh Raeesi Nejad	Bee venom allergy and risk factors for systemic allergic reactions among beekeepers in the south of Kerman province	10
24432	Mahnaz Abdollahi	Increased regulatory T cells in peripheral blood of children with eosinophilic esophagitis	10



2nd Day			
Immunodeficiency (Hall 5)			
Friday, 28 April 10:30-12:30			
Chairs: Zahra Chavoshzadeh (SBMU, Tehran), Mehrnaz Mesdaghi (SBMU, Tehran), Hassan Abolhassani (Sweden), Samin Sharafian (SBMU, Tehran), Reza Shiari (SBMU, Tehran)			
Panel discussion	Name & Family	Title	Time (Min)
	Panelists	In born errors of immunity and autoimmunity, case presentation and panel discussion	90
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
30284	Ali Zarezadeh Mehrabadi	Comprehensive assessment of skin disorders in patients with common variable immunodeficiency (CVID)	7
29947	Tolou Mahdavi	Kidney and urinary tract involvement in children with combined immunodeficiency: a single referral center experience from Iran	7
30489	Shahrzad Fallah	Different manifestations of chronic granulomatosis disease in a family with the same gene mutation	7
31848	Maryam Nourizadeh	Antibody production after COVID-19 vaccination in primary immunodeficiency patients	7



2nd Day			
Innovative Technologies in Immunology (Hall 6)			
Friday, 28 April 10:30-12:30			
Chairs:			
Mahmoud Jedi Tehrani (Avicenna, Tehran), Mojtaba Sankian (MUMS, Mashhad), Mehdi Shabani (SBMU, Tehran), Alireza Rafiei (MUZUMS, Mazandaran), Nafiseh Esmaeil (MUI, Isfahan), Mahmoud Reza Jaafari (MUMS, Mashhad)			
Keynote Speaker	Name & Family	Title	Time (Min)
	Mahmoud Reza Jaafari	Development of mRNA lipid nanoparticle vaccine candidate Iribovax against SARS-CoV-2: formulation development and preclinical results	25
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
25761	Ahmad Najafi	Inhibition of HER2 dimerization by a novel recombinant single domain antibody (nanobody) produced using phage display technique	7
31690	Sadegh Paydari Rostami	The competitive effect of overexpressed C-terminal of snail-1 (CSnail) is a promising strategy in the control of the growth and metastasis of melanoma cells	7
25678	Arezoo Beig Parikhani	Expression, and evaluation of the biological activity of an immunocytokine composed of mutant interleukin 2 and anti-vascular growth factor receptor 2 (VEGFR2) nanobody	7
30418	Zeinab Yousefi-Najafabadi	From in-silico prediction to bench for changing membrane PD-1 expression to soluble; applying CRISPR/Cas9 strategy in Jurkat cells	7
29972	Rasoul Baharlou	Development of anti-DLL4 nanobody fused to a truncated form of Pseudomonas exotoxin: as a novel immunotoxin to inhibit of cell proliferation and neovascularization	7
33012	Mansoureh Mansouri	Production and characterization of a new anti-PD-L1 monoclonal antibody with potential diagnostic application in immunohistochemistry	7
30506	Mehdi Mohammadi	A novel Fc-engineered anti-HER2 bispecific antibody with enhanced anti-tumor activity	7
31737	Negar Dehkordi	The effect of engineered-TP53 on breast cancer cells growth by the advantage of adeno-associated viral particles delivery system	7
27813	Samira Tabaei	Discovery of tissue protein biomarker in bladder cancer patients with mass spectrometry-based approach	7



2nd Day

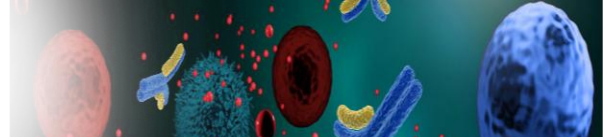
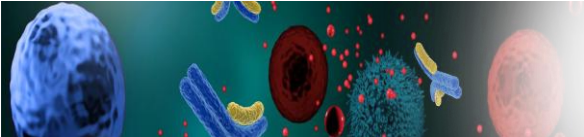
**Meeting With the Editors
(Yasini Hall)**

**Friday, 28 April
10:30-12:30**

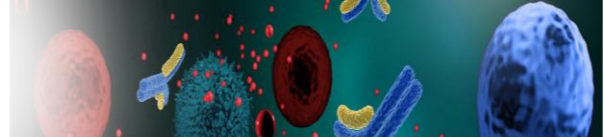
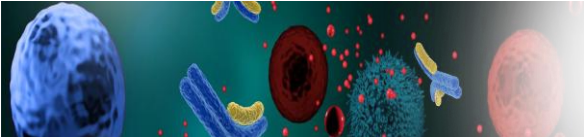
Chairs:

Abbas Ghaderi (SUMS, Shiraz), Maryam Nourizadeh (TUMS, Tehran), Reza Malekzadeh (TUMS, Tehran), Tooba Ghazanfari (Shahed U, Tehran), Forouzan Karimi (SBMU, Tehran), Mohamad-Bagher Rokni (TUMS, Tehran), Nader Ale-Ebrahim, Farrokh habibzadeh (NIOC, Shiraz), Morteza Abkar (Ashrafi Esfahani U, Isfahan), Behzad Baradaran (TBZMED, Tabriz), Hossein Hadinedoushan (SSU, Yazd)

	Name & Family	Title	Time (Min)
Keynote Speakers	Reza Malekzadeh	Establishment and challenges of the scientific medical journals in Iran	20
	Farrokh Habibzadeh	Scientific Errors in the Manuscripts and The Future of the Scientific Journals	20
	Mohammad Bagher Rokni	How to Promote Medical Journals?	20
	Nader Ale Ebrahim	How to Enhance Journal Visibility and Impact	20



2nd Day			
Cancer Immunotherapy (Hall 2)			
Friday, 28 April 13:30-15:00			
Chairs:			
<p>Abbas Rezaei (MUI, Isfahan), Ali Khodadadi (AJUMS, Ahvaz), Parviz Kokhaei (AUMS, Arak), Abdollah Jafarzadeh (KMU, Kerman), Nasrollah Erfani (SUMS, Shiraz), Jamshid Hadjati (TUMS, Tehran), Zuhair Mohammad Hassan (TMU, Tehran), Ali Jalili (MUK, Kurdistan), Abdolkarim Sheikhi (DUMS, Khuzestan), Nahid Nafisi (IUMS, Tehran), Safa Najar Njafi (ACECR, Tehran)</p>			
Keynote Speakers	Name & Family	Title	Time (Min)
	Ali Khodadadi	Immunotherapy in Iran: challenges and approaches	15
	Akihiro Shimosaka	NK cells n cancer immunotherapy	15
Panel Discussion	Nahid Nafisi & Safa Najar Najafi	Immunotherapy of breast cancer cases	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
31834	Elham Baghbani	The inhibitory effect of combination of immune checkpoint inhibitor (CTLA-4) and CD73 inhibitor on MDSCs in the growth of lung cancer cells	6
23095	Armin Akbar	Combined blockade of PD-1 and TIGIT is not sufficient to improve the function of CD8 ⁺ T-cells in chronic lymphocytic leukemia	6
34092	Milad Karimi	Catalase loaded gold nanoparticles for hypoxia alleviation in breast cancer cells	6
30181	Mahsa Yazdanpanah-Samani	Generation and characterization of PDL1-CAR NK cells as a therapeutic approach for cancer immunotherapy	6
24407	Saeid Taghiloo	Combination immunotherapy of acute myeloid leukemia by dual PI3K/mTOR inhibitor BEZ235 and TLR-7/8 agonist R848	6
32986	Kosar Amini	Evaluation of the effect of specific diabody antibody against CTLA-4 and PD-1 on survival and migration of breast cancer cells	6



2nd Day

Immunopharmacology and Herbal Medicine (Hall 3)

Friday, 28 April
13:30-15:00

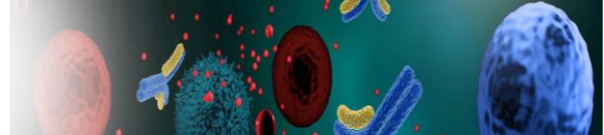
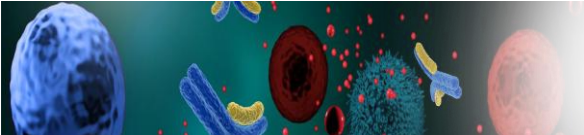
Chairs:

Abbas Mirshafiey (TUMS, Tehran), Abdollah Jafarzadeh (KMU, Kerman), Zahra Amirghofran (SUMS, Shiraz),
Jalil Tavakol Afshari (MUMS, Mashhad), Reza Jafari (UMSU, Urmia),
Ali Khodadadi (AJUMS, Ahvaz), Parviz Kokhaei (AUMS, Arak)

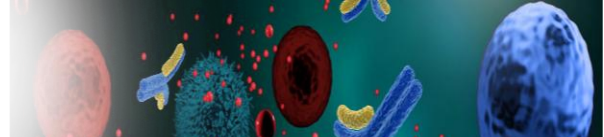
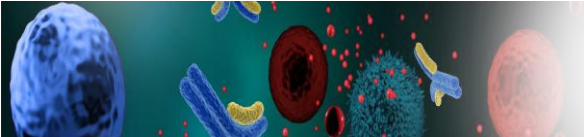
	Name & Family	Title	Time (Min)
Keynote Speakers	Abdollah Jafarzadeh	Immunomodulatory, anti-inflammatory and anti-viral properties of ginger	15
	Reza Jafari	Exosomes: their immunomodulatory and immunotherapeutic potential	15

Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
34090	Elaheh Abdollahi	Dapagliflozin exerts anti-inflammatory effects via inhibition of LPS-induced TLR-4 overexpression and NF- κ B activation in human endothelial cells and differentiated macrophages	7
24436	Ali Saeedi-Boroujeni	The therapeutic efficacy of Tranilast in combination with antiviral drugs in hospitalized COVID-19 patients: a randomized controlled trial	7
23166	Safa Tahmasebi	Effects of the guluronic acid (G2013) on inflammatory components in non-alcoholic steatohepatitis patients under in vitro conditions	7
28921	Maryam Bayat	Effects of menthol on <i>in vitro</i> proliferation and cytokine secretion of human peripheral blood mononuclear cells	7
25560	Alireza Ghavami	The effects piperine on experimental autoimmune uveitis	7
28887	Bahareh Abd-Nikfarjam	Therapeutic efficacy of evening primrose oil in patients with rheumatoid arthritis: a randomized double-blind, placebo-controlled clinical trial	7
30035	Fateme Ahmadzade	<i>In vitro</i> and <i>in vivo</i> anti-inflammatory and anti-diabetic properties of phenolic antioxidant from <i>Camellia sinensis</i>	7
24426	Shabnam Bahrami	Evaluation the effects of <i>Lactobacillus casei</i> probiotic in combination with hydro alcoholic extract of jujube fruit on inflammatory cytokines of experimental model of ulcerative colitis	7



2nd Day			
Mucosal Immunology (Hall 5)			
Friday, 28 April 13:30-15:00			
Chairs: Ahmad Zavaran Hosseini (TMU, Tehran), Majid Tebianian (Razi Institute, Karaj), Mandana Sattari (SBMU, Tehran), Seyed Reza Mohebi (SBMU, Tehran), Abdolreza Mohammadnia (SBMU, Tehran), Mehran Dabaghian (Razi Institute, Karaj), Davara Amani (SBMU, Tehran), Nilofar Najari Nobari (IUMS, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Mehran Dabaghian	Role of the microbiota on modulation of immune responses to vaccination: implications and potential mechanisms	15
	Abdolreza Mohammadnia	Evaluation of molecular immunology in mucosal tissue: lung cancer as a model	15
	Nilofar Najari Nobari	Interaction of immune cells and keratinocytes in inflammatory skin diseases	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
34110	Minoos Shahidi	Anti-histaminic effects of resveratrol and silymarin on human gingival fibroblasts	8
24288	Navid Etemadi	The gold and silver nanoparticles synthesized using the aqueous extract of Artemisia Dracunculoides effectively prevent induced gastroduodenal ulcer	8
31610	Nazanin Atieh Kazemi Sefat	Investigating the effect of sodium butyrate on TLR4 gene expression pattern and NF- κ B p65 expression in colorectal cancer cell lines	8
23076	Manizhe Faghih	Evaluation of the inhibitory effect of Abatacept (CTLA4-ig) and conditioned medium of mesenchymal stem cell in an acetic acid-induced mouse model of acute colitis	8
31763	Mohsen Masjedi	Cell density counts of the intestinal intraepithelial lymphocytes in the celiac patients	8



2nd Day

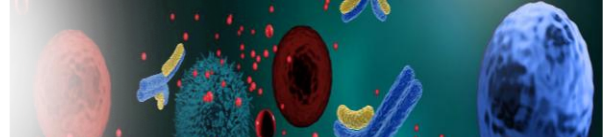
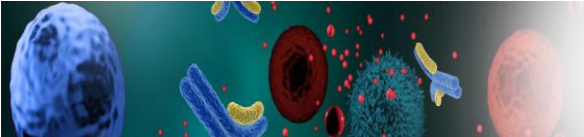
**Ethics in Immunological Studies
(Hall 7)**

**Friday, 28 April
13:30-15:00**

Chairs:

Mohammad Hossein Nicknam (TUMS, Tehran), Mina Forouzandeh (IUMS, Tehran), Majid Reza Khalajzadeh (IUMS, Tehran), Mohammad Vodjgani (TUMS, Tehran), Saeed Biroudian (IUMS, Tehran), Fatemeh Bahmani (IUMS, Tehran), Ehsan Shamsi Gooshki (TUMS, Tehran), Shabnam Bazmi (SBMU, Tehran)

Keynote Speakers	Name & Family	Title	Time (Min)
	Mina Forouzandeh	Ethical considerations in clinical trials (Pandemic)	25
	Ehsan Shamsi-Gooshki	Ethical challenges of COVID-19 vaccine trial	25
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
31733	Alireza Ghassemi Toussi	Legal aspects in cancer immunotherapy	10
31732	Alireza Ghassemi Toussi	Obtaining informed consent in immunology and immunotherapy and related laws in Iran	10



3rd Day

**Stem Cells and Immune Cell Therapy
(Hall 2)**

Saturday, 29 April

8:00-10:00

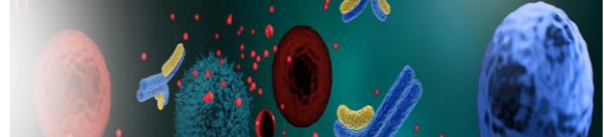
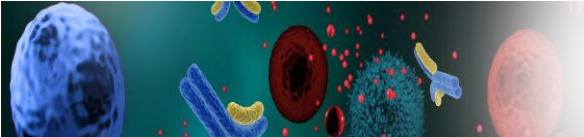
Chairs:

Jamshid Hadjati (TUMS, Tehran), Seyed Mahmoud Masiha Hashemi (SBMU, Tehran), Nasser Aghdami (Royan, Tehran), Marziyeh Ebrahimi (Royan, Tehran), Hamid Reza Mirzaei (TUMS, Tehran), Abdolreza Esmailzadeh (ZUMS, Zanjan), Sara Soudi (TMU, Tehran)

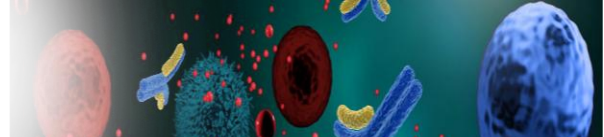
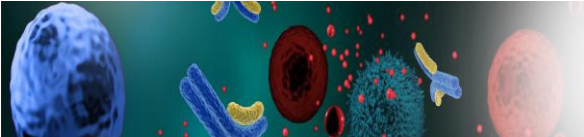
Keynote Speakers	Name & Family	Title	Time (Min)
	Nasser Aghdami	Cell-based therapy for COVID-19	15
	Marziyeh Ebrahimi	NK cell therapy in brain tumors	15
	Seyed Mahmoud Masiha Hashemi	Therapeutic application of regulatory cells and extracellular vesicles in inflammatory diseases	15

Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
25612	Sara Hosseini	Investigation of immunoregulatory impact of lupus mesenchymal stromal cells in TCD4 ⁺ subsets and their secreted cytokines of healthy and lupus Balb/c mice models	6
31815	Fatemeh Ahangari	Therapeutic effects of azithromycin (AZT) and extracellular vesicles derived from mesenchymal stem cells (MSC-EVs) injection on the cecal ligation and puncture model of sepsis	6
26765	Pooya Farhangnia	Evaluation of expression of Placenta-specific molecule 1 (PLAC-1) in enriched cancer stem-like cells derived from invasive human prostate cancer cell line (PC-3) in comparison with tumor parent cell population	6
30125	Tahereh Soltantoyeh	A2aR/Tim3-double KD-MSLN-CAR T cells effectively kill tumor cells in vitro and in vivo	6
31565	Maryam Sahlolbei	Engineering chimeric autoantibody receptor T cells for targeted B cell depletion in multiple sclerosis model: an <i>in vitro</i> study	6
31492	Bahare Niknam	The anti-fibrotic effects of human Wharton's jelly mesenchymal stem cells derived- exosomes enriched by miRNA-124 on murine model of liver fibrosis	6
30480	Fateme Ahmadzade	Epigallocatechin-3-gallate augments therapeutic effect of bone-marrow-derived mesenchymal stem cells in experimental autoimmune type-1 diabetes	6
29986	Maryam Ajami	Blocking the STAT3 signaling pathway leads to producing fully mature dendritic cells that increase the expression of the ID2 transcription factor.	6
28939	Mohammad-Shafi Mojadadi	Evaluation of the effect of mesenchymal stem cells' conditioned medium on the gene expression of CCL3 and CCL4 chemokines in the spinal cord of rats with neuropathic pain	6
30122	Behnia Akbari	Prostaglandin E2 signaling through EP2 and EP4 receptors reduce mesoCAR T cells antitumor function	6



3rd Day			
Immunomodulation and Immunoregulation (Hall 3)			
Saturday, 29 April 8:00-10:00			
Chairs: Tooba Ghazanfari (Shahed U, Tehran), Mostafa Hajimolahoseini (SBMU, Tehran), Maryam Kheirandish (IBTO), Kaveh Ashti Baghaei (SBMU, Tehran), Farshid Noorbakhsh (TUMS, Tehran), Susan Kobodanian Ardestany (SBMU, Tehran), Hamid Ahanchian (MUMS, Mashhad), Ali-Akbar Delbandi (IUMS, Tehran)			
Keynote Speaker	Name & Family	Title	Time (Min)
	Tooba Ghazanfari	Regulation of immune responses in COVID-19 patients	15
	Maryam Kheirandish	Transfusion related immunomodulation (TRIM): the possible mechanism	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
27817	Ehsaneh Azaryan	Effect of PCL/nHA-EA nanocomposite on the inflammatory response of lipopolysaccharide-exposed dental pulp stem cells	10
25706	Elham Faryadi	Exploring the PCGEM1/miR-433-3P/ITGA4 and PVT1/miR-183-5p/ITGB1 axis in patients with rheumatoid arthritis during treatment with conventional DMARDs and methylprednisolone	10
23216	Rasul Karimi	IFN- β modulated immune system by effecting expression of IL-27, IL-17, VLA4, MCAM and CD80 in experimental autoimmune encephalomyelitis induced mice	10
25721	Roza Motavalli	The Th17/Treg imbalance and related cytokines as a new sight in pathogenesis of idiopathic membranous nephropathy	10
28927	Reza Haji Asghar Sharbaf	The immunosuppressive effects of silymarin on Th17 cells represent a potential as an adjuvant therapeutic tool in MS patients	10



3rd Day

Psychoneuroendocrinoimmunology (Hall 4)

Saturday, 29 April
8:00-10:00

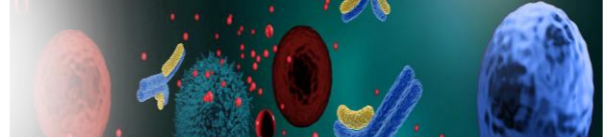
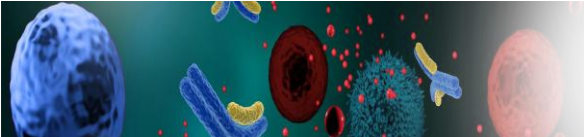
Chairs:

Fahimeh Soheilipour (IUMS, Tehran), Farshid Noorbakhsh (TUMS, Tehran), Mohammad Vojgani (TUMS, Tehran), Mitra Noorbakhsh (IUMS, Tehran), Maryam Hosseinali Izad (TUMS, Tehran), Fatemeh Aghamahdi (ABZUMS, Alborz),
Mahdi Vafadar (IUMS, Tehran), Maryam Kachoui (IUMS, Tehran)

	Name & Family	Title	Time (Min)
Keynote Speakers	Fatemeh Aghamahdi	Interactions of immunodeficiency and endocrine disorders	15
	Mahdi Vafadar	Immune dysfunctions in patients with inherited metabolic diseases	15
	Maryam Kachoui	Autoimmune encephalitis	15

Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
31770	Ahmad Golkar	Repeated systemic lipopolysaccharide injection induced depressive-like behavior but not anxiety-like behavior and spatial memory impairment in rats.	8
34115	Nayereh Asgari	Neonatal stress-induced impairments in learning and memory are related to changes in TLR2/4 in selected rat brain regions (hippocampus, prefrontal cortex).	8
34126	Samaneh Ebrahimnezhad	Assessment of Fractalkine, Fractalkine receptor and plasma level of Neopterin in patients with the major depressive disorder before and after treatment with Sertraline	8
27809	Fatemeh Keshavarz	Autoantibodies against central nervous system antigens and the serum levels of IL-32 in patients with schizophrenia	8
28867	Narges Abdollahi	Evaluation of the effect of <i>Lactobacillus delbrukii</i> and <i>Lactobacillus rhamnosus</i> probiotics as complementary therapy with levodopa in modulating behavior and immune response in Parkinson's rat model	8
30069	Ali Alishvandi	Anti-inflammatory and neuroprotective effects of liposomal quercetin via microglia/macrophage polarization dynamics in a Huntington's disease model of male rats	8
30364	Negin Jafari aghdam	Increased IL1 β & IL1RacP expression levels and increased IL1B serum levels among IL 1 family of cytokines in patients with Parkinson's disease	8



3rd Day

**Immunometabolism
(Hall 5)**

**Saturday, 29 April
8:00-10:00**

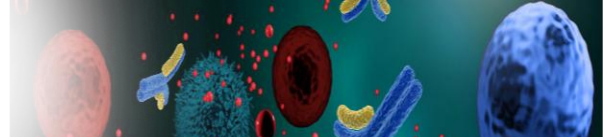
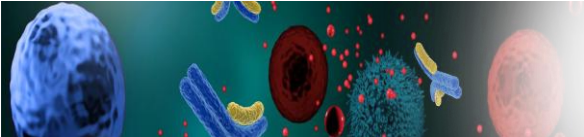
Chairs:

Abolghasem Ajami (MAZUMS, Mazandaran), Kurosh Kalantar (SUMS, Shiraz), Alireza Ranjbar (Bonn, Germany), Clovis Palmer (Tulane University, USA), Pejman Soroosh (AnaptysBio Inc., USA), Elaheh Safari (IUMS, Tehran), Mohsen Tehrani (MAZUMS, Mazandaran)

Keynote Speakers	Name & Family	Title	Time (Min)
	Clovis Palmer	Immune basis of metabolic post-acute COVID-19 syndrome	20
	Pejman Soroosh	Metabolic regulation of macrophages in inflammatory diseases	20
	Alireza Ranjbar	Insight into the bidirectional relationship between cellular metabolism and immune system in clinical medicine	20
	Kurosh Kalantar	Immunometabolic alterations in autoimmune diseases	20

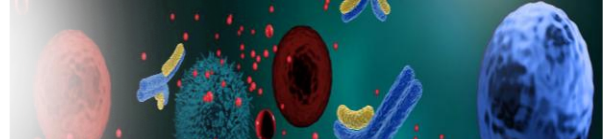
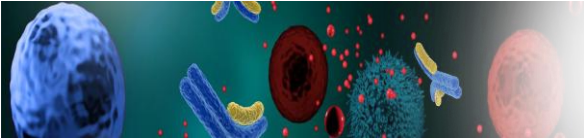
Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
30474	Mahnaz Rezaei	Immunometabolism meets metabolic reprogramming in AML: TIM-3/Gal-9 pathway affects glucose and lipid metabolism in acute myeloid leukemia cell lines	8
30338	Hooriyeh Shapourian	Evaluation of the relation between TIM-3/Galectin-9 axis and glutamine metabolism in AML cell lines, HL-60 and THP-1	8
28945	Mojdeh Soltani	PD-L1 stimulation can promote proliferation and survival of leukemic cells by influencing glucose and fatty acid metabolism in acute myeloid leukemia	8

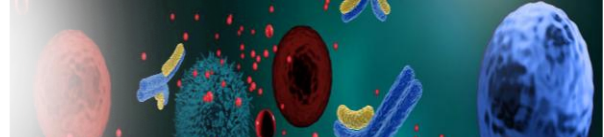
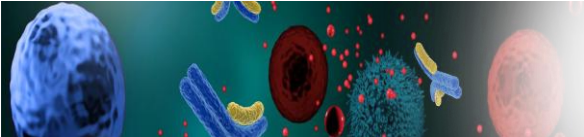


3rd Day			
Non-Neoplastic Leukocyte Disorders (Hall 6)			
Saturday, 29 April 8:00-10:00			
Chairs: Shaban Alizadeh (TUMS, Tehran), Davood Bashash (SBMU, Tehran), Amir Ali Hamidieh (TUMS, Tehran), Majid Safa (IUMS, Tehran), Nader Vazifeh Shiran (SBMU, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Shaban Alizadeh	Laboratory diagnosis and recent findings in none- neoplastic lymphocytosis	20
	Davood Bashash	Genetical basics of none-neoplastic leukocytosis	20
	Majid Safa	Laboratory diagnosis and recent findings in severe congenital neutropenia	20
	Nader Vazifeh Shiran	Laboratory diagnosis and novel findings in haemophagocytic lymphohistiocytosis	20
	Amir Ali Hamidieh	Transplantation in patients with none-neoplastic disorders of the leukocytes	20

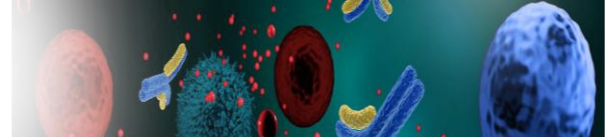
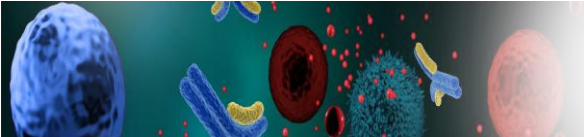
3rd Day			
Entrepreneurship in the Context of Production & Development of Immunoassay Techniques (Hall 2)			
Saturday, 29 April 10:30-12:30			
Chairs: Fereidoun Mahboudi (CinnaGen, Tehran), Mohammad Javad Rasaiee (TMU, Tehran), Behrooz Hajian Tehrani (Pishtaz Teb, Tehran) Hossein Zolfagharian (Razi Institute, Karaj), Ali Mostafaiee (KUMS, Kermanshah), Haleh Hamedifar (CinnaGen, Tehran), Shahram Ahmadi Tehrani (Nima Pouyesh Teb, Tehran), Saman Hosseinkhani (TMU)			
Panel Discussion	Name & Family	Title	Time (Min)
	Panelists	Entrepreneurship in the Context of Production & Development of Immunoassay Techniques in Iran: Past, Present, and Future	60
	Hossein Zolfagharian	Successful experience of a knowledge-based company in production of biological products	15



	Saman Hosseinkhani	Development of a rapid screening assay for cell viability determination	15
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3rd Day			
COVID-19 Immunology (Hall 3)			
Saturday, 29 April 10:30-12:30			
Chairs: Alireza Ranjbar (Bon, Germany), Mahdi Shabani (SBMU, Tehran), Fazel Shokri (TUMS, Tehran), Mohammadreza Salehi (SBMU, Tehran), Tooba Ghazanfari (Shahed U, Tehran), Ali Maleki (Pasteur, Tehran), Reza Jafari (UMSU, Urumia), Esmael Mortaz (SBMU, Tehran)			
Keynote Speakers	Name & Family	Title	Time (Min)
	Alireza Ranjbar	Top lessons and achievements from COVID-19 in basic and clinical immunology	15
	Ali Maleki	COVID-19 National Reference Laboratory, Pasteur Institute of Iran, Tehran, Iran	15
	Majid Mokhtari	Clinical significance of post-COVID-19 syndrome and its immunological aspects	15
Oral Presentation			
Abstract Code	Name & Family	Title	Time (Min)
31742	Nika Asefi	Ascorbic acid and α -tocopherol in the inactivated SARS-CoV-2 vaccine formulation: a comparison study in aged and young mice	6
30509	Ahmad Ghorbani Vanan	Chimerization and characterization of novel SARS-CoV-2 neutralizing mouse monoclonal antibodies	6
31795	Azadeh Rashidi	Study on the association between IL-6R complex expression and interleukin-6 receptor Asp358Ala (rs2228145) single nucleotide polymorphism, with the severity of clinical symptoms in patients with COVID-19	6
32949	Mohammad Sadegh Soltani-Zangbar	In-depth analysis of the type I interferon signaling pathway and immunological response in hospitalized COVID-19 patients	6
24434	Mojtaba Shohan	The effect of treatment with quercetin and antiviral drugs on serum levels of IL-6, IL1- β , and TNF- α and laboratory indicators in severe COVID-19 patients: A randomized controlled trial	6
28908	Navid Dashti	Comparative immunogenicity of four approved recombinant COVID-19 vaccines in BALB/c mice	6
24386	Navid Dashti	Preclinical assessment of a recombinant RBD-Fc fusion protein as SARS-CoV-2 candidate vaccine	6



3rd Day

**Clinical Laboratory Immunology
(Hall 4)**

**Saturday, 29 April
10:30-12:30**

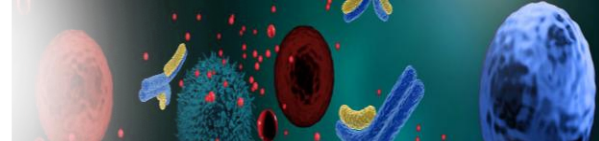
Chairs:

Mahdi Shekarabi (IUMS, Tehran), Abdolfatah Sarrafnejad (TUMS, Tehran),
Hamidreza Joshaghani (Goums, Gorgan), Seyed Hossein Samadanifard (IUMS, Tehran),
Tooba Ghazanfari (Shahed U, Tehran), Behzad Poopak (IAUTMS, Tehran),
Majid Reza Khalajzadeh (IUMS, Tehran), Majid Safa (IUMS, Tehran)

	Name & Family	Title	Time (Min)
Keynote Speakers	Seyed Hossein Samadanifard	Immunodiagnosis and clinical evaluation of autoimmune thyroiditis	15
	Hamidreza Joshaghani	Laboratory diagnosis of type I diabetics	15

Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
31789	Farshid Zamani	Comparison the effects of exosomes derived from human serum, human cord blood serum, and fetal bovine serum (FBS) on peripheral blood mononuclear cell proliferation and nitric oxide production.	7
32939	Omidreza Samdaliri	Investigating the fluctuations of alpha globulin levels in suspected inflammatory patients using serum protein electrophoresis assay in Mazandaran province, during 2022-2023	7
32945	Sepideh Khansari	Investigating the fluctuations of albumin levels in suspected inflammatory patients using serum protein electrophoresis assay in Mazandaran province, during 2022-2023	7
31577	Mina Alimohammadi	The effects of cold atmospheric plasma (CAP) on the function of exhausted CD8 ⁺ T cells in patients with chronic lymphocytic leukemia	7
31522	Mina Alimohammadi	Cold atmospheric plasma increases anti-tumor CD8 ⁺ T cells proliferation in chronic lymphocytic leukemia	7
31548	Mina Alimohammadi	Increased expression of Integrin Beta 3 in leukemia by cold atmospheric plasma and cold atmospheric plasma active medium	7
31806	Narges Fallahi	Evaluation of the progesterone effect on membrane progesterone receptor (mPR-β) expression on NALM6 cells	7
31724	Amirhossein Mardi	Down-regulation of miR-4443, miR-572, and miR-150-5p in serum of breast cancer patients as a potential diagnostic biomarker: A study based on bioinformatics methods	7
26782	Mohammadreza Ghanbarpour	Investigation of serum levels of ANA, Anti CCP, RF and ESR factors in patients with suspected rheumatoid arthritis	7

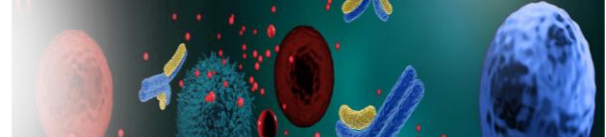
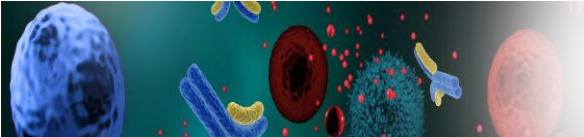
**3rd Day****Immunogenetics
(Hall 5)****Saturday, 29 April
10:30-12:30****Chairs:**

Nasrolah Erfani (SUMS, Shiraz), Abdolreza Esmailzadeh (ZUMS, Zanjan),
Ali Akbar Amirzargar (TUMS, Tehran), Jalil Tavakol Afshari (MUMS, Mashhad),
Mahdi Mahmoudi (TUMS, Tehran), Gholamali Kardar (TUMS, Tehran)

	Name & Family	Title	Time (Min)
Keynote Speakers	Mahdi Mahmoudi	Evaluation of gene association studies in complex diseases	15
	Jalil Tavakol Afshari	How T cell receptor (TCR) V beta gene repertoire diversity prevent autoimmune diseases?	15
	Gholamali Kardar	Cancer gene therapy: strategies, challenges and opportunities	15
	Saeid Abediankenari	Regulatory RNAs in Immune system	15

Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
25676	Sara Mirzazadeh	Combination effect of killer cell immunoglobulin-like receptors (KIRs) and their cognate HLA class I ligands on susceptibility to acute myeloid leukemia in Iranian patients	7
23041	Mahdi Atabaki	NOD2 gene polymorphism (rs2066844) and susceptibility to pulmonary tuberculosis in Zahedan, southeast Iran	7
30448	Ashkan Rasouli-Saravani	Peripheral distributions of IL-4-producing CD4+ T cells and CD4+ CD25+ FoxP3+ T cells (Tregs) in rheumatoid arthritis patients with poor response to therapy are associated with HLA shared epitope alleles	7
27805	Seyedeh Samaneh Tabaee	Correlation of Gene polymorphism and Serum levels of Interleukin-37 with the risk of Coronary Heart Disease	7
28949	Ghasem Solgi	HLA-DRB1*04:05 and -DQB1*06:02 may predict poor response to treatment in rheumatoid arthritis patients	7
25508	Maryam Farghadan	Evaluation of miR-211-5p overexpression effect on PERK/ATF4/CHOP pathway and apoptosis related genes in FLS cells of rheumatoid arthritis	7
23234	Kimia Mirshekari	Evaluation of the genetic diversity of KIR genes in patients with endometrial cancer	7



3rd Day

Nutrition and Immunology (Hall 6)

**Saturday, 29 April
10:30-12:30**

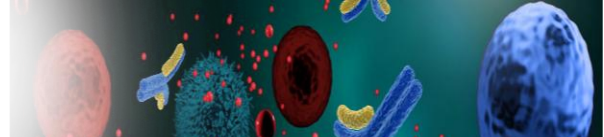
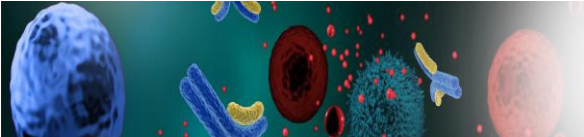
Chairs:

Farzad Shidfar (TUMS, Tehran), Ali Akbar Sabour Yaraghi (TUMS, Tehran),
Mohammad Reza Vafa (IUMS, Tehran), Azita Hekmat Doust (SBMU, Tehran),
Maryam Mahmoudi (TUMS, Tehran), Tohid Kazemi (TBZMED, Tabriz),
Ali-Akbar Delbandi (IUMS, Tehran)

	Name & Family	Title	Time (Min)
Keynote Speakers	Farzad Shidfar	The effects of Probiotic yogurt plus low-calorie diet on gene expression of some mediators of the immune system in overweight and obese participants: a randomized double-blind controlled clinical trial	20
	Ali Akbar Saboor-Yaraghi	The molecular mechanisms of micronutrient effects on the immune system	20

Oral Presentation

Abstract Code	Name & Family	Title	Time (Min)
25563	Kasra Jahankhani	Study of zinc supplement on antioxidative genes in multiple myeloma patients undergo autologous hematopoietic stem cell transplantation compared with placebo	10
31497	Saeid Rezaei	Effect of Curcuminoid on systemic immunity and radical scavenging activity in women with premenstrual syndrome and dysmenorrhea: a post-hoc analysis of a randomized clinical study	10
24316	Hadi Mohagegian	Immunomodulatory effects of vitamin D3 on gene expression of MDGF, EGF, and PDGFB in endometriosis	10
28911	Sahel Heidari	Changes in MCP-1, HGF, and IGF-1 expression in endometrial stromal cells, PBMCs, and PFCMs of endometriotic women following 1,25(OH)2D3 treatment	10
31761	Manouchehr Fadaee	N-3 PUFA may inhibits CRC cells immune evasion and metastasis through affecting immunomodulatory genes and related microRNAs	10



3rd Day

**Social Accountability of Immunologists
(Hall 1)**

**Saturday, 29 April
13:30-15:00**

Chairs:

Salaheddin Delshad (IUMS, Tehran), Manouchehr Mansouri (TUMS, Tehran),
Kamran Aghakhani (IUMS, Tehran), Nima Rezaei (TUMS, Tehran),
Jalil Koochpayehzadeh Esfahani (IUMS, Tehran), Mohammad Vodjgani (TUMS, Tehran)

	Name & Family	Title	Time (Min)
Keynote Speaker	Nima Rezaei	Art, Health, Immunity: Social Accountability	20
Panel Discussion	Panelists	The reflex of human and community behavior on the immune system The role of the immunologists in providing health services to the general population Socialization and generalization of immunology-based services in Iran	60