

# *1<sup>st</sup> International Congress of Biomarkers*

## *Oral Presentations*

**1<sup>st</sup> Day: Wednesday, 22 Feb., 2023**

9:00-9:10	Recitation from the Holy Quran and National Anthem		
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Time of Presentation	Name and Surname of the presenter	Title of the Oral Presentation	Affiliation
9:10-9:20	Dr.Mohammad Amin Valizad	Welcome Note	Professor in, President of Congress and Urmia University of Medical Sciences
9:20-9:30	Dr. Yousef Rasmi	Report of the Scientific Program	Professor of Biochemistry, Scientific Secretary of the Congress
9:20-10:00	<b>Opening Ceremony</b>		

### First Hall

#### “Biomarkers in Cancer and Emerging Biomarkers”

10:05-11:05

Chair persons: Dr. Yousef Rasmi, Dr. Siamak Salehi, Dr. Hassan Malekinejad ,Dr. Behzad Boushehri, Dr. Fatemeh kheradmand, Dr. Shahriar Alipour, Dr. Abbas Jafari

Time	Oral Presenter	Title of Presentation	Affiliation	Date
10:05-10:25	<b>Dr. Hassan Malekinejad</b>	Roles of biomarkers in Toxicology Studies	Urmia University of Medical Sciences	
10:30-10:50	<b>Prof. Alfred Lam</b>	Biomarkers in Digestive Tract Neoplasia: Current Status and Future Directions	Griffith University, Australia	<b>Morning Session</b>
10:55-11:05	<b>Dr. Fatemeh Ramezani</b>	The N-acetylgalactosamine-transferase11 (GALNT11) activation in leukemia and the role of cyclophosphamide and cytarabine in the expression of this enzyme	Tabriz University of Medical Sciences	

<b>11:15-11:45</b>	<b>Break Time and Poster Presentation</b>		
11:45-12:05	<b>Dr. Nosratollah Zarghami</b>	Molecular profiling for precision cancer therapy	Tabriz University of Medical Sciences
12:10-12:20	<b>Samira Jahangard</b>	Investigation of the P16 and Ki67 Predictive Effect on the Progression of Cervical Intraepithelial Neoplasia Grade 1 in Shahid Motahari Hospital of Urmia, Iran	Urmia University of Medical Sciences
12:25-12:45	<b>Dr. Elif Sibel Aslan</b>	Epigenetic Biomarkers in Neurodegenerative Diseases	Biruni University, Turkey
12:50-13:00	<b>Dr. Soraya Emamgholizadeh Minaei</b>	Theranostic effects of chemotherapy drug-loaded magnetite nanoparticles on glioblastoma cancer cells	Urmia University of Medical Sciences
13:05-13:25	<b>Dr. Yusuf Tutar</b>	Inhibitory Effects of anticancer agents and cancer biomarkers	University of Health Sciences-Faculty of Pharmacy , Istanbul , Turkey
<b>13:30-14:30</b>	<b>Pray , Lunch &amp; Poster Presentation</b>		

**1<sup>st</sup> Day: Wednesday, 22 Feb., 2023**

**First hall**

**“Biomarkers in Cancer & Emerging Biomarkers”  
14:30-18:00**

**Chair Persons: Dr. Nosratollah Zarghami, Dr. Ali Eishi , Dr. Behzad Baradaran , Dr. Jafar Nouroozad, Dr. Rahim Asghari, Dr. Yousef Rousta**

<b>Time</b>	<b>Oral Presenter</b>	<b>Title of Presentation</b>	<b>Affiliation</b>	<b>Date</b>
14:30-14:50	<b>Dr. Yousef Rousta</b>	Role of Tumor Markers in cancer Detection	Urmia University of Medical Sciences, Faculty of Pharmacy	
14:55-15:15	<b>Dr. Tooba Hallaj</b>	Fluorescence-based Nanobiosensors for Cancer Detection	Urmia University of Medical Sciences	

15:20-15:30	<b>Dr. Leila Rezakhani</b>	Comparison of CD44 and CD24 expression levels in vivo model of 3D and 2D breast cancer	Kermanshah University of Medical Sciences	<b>Afternoon Session</b>
15:35-15:45	<b>Yousef Mohammadi</b>	Study of prognostic significance of immune check points and tumor infiltrating lymphocytes in glioblastoma	Shiraz University of Medical Sciences	
15:50-16:00	<b>Dr. Alaa Ali</b>	Inflammatory Mediator IL-6 as Salivary Biomarker for chronic periodontitis and Oral Squamous Cell Carcinoma	University of Khartoum	
<b>16:00-16:30</b>	<b>Break Time and Poster Presentation</b>			
16:30-16:50	<b>Dr. Behzad Baradaran</b>	Cancer Vaccines	Tabriz University of Medical Sciences	
16:55-17:05	<b>Alok Prasad Das</b>	Development of Endogenous Biosensing Methodology for Rapid Detection of Endotoxins	Ramadevi Women's University, India	
17:10-17:30	<b>Dr. Frantisek Zitricky</b>	Molecular Prognostic and Predictive Markers in Colorectal Cancer	Biomedical Centre, Faculty of Medicine, Charles University Prague	
17:35-17:55	<b>Dr. Abdul Alim Al-Bari</b>	Pharmaceutical modulation of macroautophagy by medicinal products for the treatment of cancers	Raajshahi University, Bangladesh	

**1<sup>st</sup> Day: Wednesday Afternoon, 22 Feb., 2023**

**Second Hall**

**“Biomarkers and Stem Cells-  
Immune System Biomarkers and Graft Rejection”**

**14:30-17:45**

**Chair persons: Dr. Behzad Baradaran, Dr. Khadijeh Makhdoumi, Dr. Leila Roshangar, Dr. Siamak Asri Rezaei, ,  
Dr. Nowrouz Delirezh, Dr. Reza Jafari, Dr. Parviz Ranjbarvan, Dr. Ali Golchin**

<b>Time</b>	<b>Oral Presenter</b>	<b>Title of Presentation</b>	<b>Affiliation</b>
14:30-14:50	<b>Dr. Abdolamir Allameh</b>	Biomarkers in Stem Cell	Tarbiat Modarres University
14:55-15:05	<b>Dr. Leila Roshangar</b>	Effect of cold plasma on skin stem cells	Tabriz University of Medical Sciences
15:10-15:20	<b>Mohammad Tollabi</b>	Potential therapeutic Effect of Primed-Mesenchymal Stem cells in Lessening kidney Damages in Rat Model of diabetic Nephropathy by Modulation of Inflammation	Iran University of Medical Sciences
15:25-15:35	<b>Dr. Abdolreza Sabokrouh</b>	Comparison of the Anticancer Effects of Levetiracetam with Platinum Levetiracetam in Telomerase and BCL-2 Genes Expression on Cancer Cells	Department of Biochemistry, Faculty of Medicine, Tehran Medical Sciences, Islamic Azad University
<b>16:00-16:30</b>	<b>Break time and Poster Presentation</b>		
16:30-16:50	<b>Dr. Jamshid Hadjati</b>	CAR-T cell therapy in solid tumors	Autoimmune Bullous Diseases Research Center, Tehran University of Medical Sciences
16:55-17:15	<b>Dr. Muhammad Naveed</b>	Multiple Epitope-based Vaccine Targets Against SARS-CoV-2	Biotechnology, University of Central Punjab Lahore, Punjab, Pakistan
17:20-17:30	<b>Shirin Barati</b>	Effect of bone marrow mesenchymal stem cells transplantation on CX3CR1/CX3CL1 axis in the cuprizone model	Saveh University of Medical Sciences
17:35-17:45	<b>Dr.Rekha Khandia</b>	Detection of Disease-Associated Biomarkers Using Nucleic Acid-Based Aptamers For Dual Antibody-Based Proximity Ligation Assay	Barakatollah University, Bhopal, India

## 2<sup>nd</sup> Day: Thursday, 23 Feb., 2023

<b>8:25-8:30</b>	<b>Recitation from the Holy Quran</b>
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<p style="font-size: 1.2em; margin: 0;"><b>First Hall</b></p> <p style="font-size: 1.1em; margin: 5px 0 0 0;"><b>“Biomarkers in the Epigenetics of Diseases”</b></p> <p style="font-size: 1.1em; margin: 0 0 0 0;"><b>9:00-11:00</b></p>
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Chair Persons: Dr. Mohammad Saeid Hejazi, Dr. Shiva Roshan Milani, Dr. Shiva Gholizadeh-Ghaleh Aziz, Dr. Shahriar Alipour.

Time	Oral Presenter	Title of Presentation	Affiliation	Date
9:00-9:20	Dr. Maria Gazouli	The role of Biomarkers in Prediction of Drug Resistance	National and Kapodistrian University of Athens: GR	Morning Session
9:25-9:35	Dr. Ali Dehghani firozabadi	TLR3 Priming Influence Epigenetic Plasticity of MSCs and Facilitate Cardiomyocyte Differentiation	Yazd University of Medical Sciences	
9:40-10:00	Dr. Hamid Reza Rahimi	The role of microRNAs: A therapeutic and diagnostic tumor marker	Mashhad University of Medical Sciences	
10:05-10:25	Dr. Sevgi Gezici	Exosomes and Recent Advances in Biomarker Platforms for Early Diagnosis of Cancer	Gaziantep University, Turkey	
10:30-10:40	Hadi Maleki	Diagnostic efficacy and development of microRNA biomarkers for early detection of Gastric cancer	Urmia University of Medical Sciences	
10:45-10:55	Dr.Ahmad Ali	Biomarkers of glycation and aggregation	Mumbai University, India	
11:15-11:45	Break Time & Poster Presentation			

## First Hall

### “Other Applied Biomarkers”

**11:45-13:30**

**Chair Persons: Dr. Saber Gholizadeh , Dr. Saeid Ghavamzadeh, Dr Shiva Roshan-milani, Dr. Zamzam Paknahad, Dr. Lida Lotfollahi, Dr. Kambiz Diba, Dr. Neda Valizdeh**

Time	Oral Presenter	Title of Presentation	Affiliation	Date
11:45-12:05	<b>Dr. Siamak Salehi</b>	miRNA as biomarker and therapeutic tool in liver diseases	Institute of Liver Studies, King's College Hospital, London, UK	<b>Morning Session</b>
12:10-12:30	<b>Dr. Kamran Dehghan</b>	Biomarkers in the Detection of Neonatal Sepsis	Urmia University of Medical Sciences	
12:35-12:45	<b>Kosar Jannesar</b>	Memantine, an N-methyl-D-aspartate receptor antagonist, attenuates VEGF level in DMH-induced colon cancer: An in vivo study	Urmia University of Medical Sciences	
12:50-13:00	<b>Effat Soleimani</b>	Frequency spectrum analysis of the arterial blood velocity waveforms as a novel biomechanical technique for vascular evaluation	Shahid Beheshti University of Medical Sciences	
13:05-13:15	<b>Dr. Ali Dehghani Firouzabadi</b>	Endosomal and cytoplasmic cell surface PRRs as novel clinically biomarkers of cardiovascular risk in stable coronary artery disease	Yazd University of Medical Sciences	
13:20-13:30	<b>Shadi Mohammadpour-Asl</b>	Effects of cannabinoid system components, 2-arachidonoyl glycerol and Tetrahydrocannabinol, in cultured mouse Sertoli cells: role of Caspase-3 and FGF-b as apoptotic and growth biomarkers	Urmia University of Medical Sciences	
<b>13:30-14:30</b>	<b>Pray, Lunch &amp; Poster Presentation</b>			

## First Hall

### “Other Applied Biomarkers” 14:30-17:55

**Chair Persons: Dr. Mohammad Hassan Khadem Ansari, Dr. Ahmadreza Afshar, Dr. Shahram Khademvatan, Dr. Alireza Shirpour, Dr. Saber Yousefi**

Time	Oral Presenter	Title of Presentation	Affiliation	Date
14:30-14:50	<b>Dr. Shahram Khademvatan</b>	Biomarkers in diagnosis and treatment of parasitic disease	Urmia University of Medical Sciences	<b>Afternoon Session</b>
14:55-15:15	<b>Dr. Ghazala Ashraf</b>	Insight to Emerging Biomarkers for Early Disease Diagnostics	Huazhong University of Science and Technology, Wuhan, Hubei, China	
15:20-15:30	<b>Dr. Aynaz Mihanfar</b>	Anti-inflammatory effects of Gallic acid on the rat model of polycystic Ovarian Syndrome	Urmia University of Medical Sciences	
15:35-15:45	<b>Dr. Sadra Montazeri</b>	Preoperative Hypoalbuminemia and Development of Surgical Site Infection and Anastomotic Leakage in Emergency Colorectal Surgery	Tehran University of Medical Sciences	
15:50-16:00	<b>Dr. Nada Tawfiq</b>	Assessment of the Levels of IL-12 in gingival crevicular fluid of a group of Patients with aggressive periodontitis and a group of healthy subjects	RAK Medical Health Sciences University, UAE	
<b>16:00-16:30</b>	<b>Break Time &amp; Poster Presentation</b>			
16:30-16:40	<b>Dr. Naser Shokrzadeh</b>	The effect of dexamethasone on uterine receptivity, mediated by the ERK1/2-mTOR pathway, and the implantation window: An experimental study	Urmia University of Medical Sciences	<b>Afternoon Session</b>
16:45-16:55	<b>Maryam Aminian</b>	Time-restricted eating, regulation of circadian rhythm and metabolic biomarkers	Urmia University of Medical Sciences	
17:00-17:10	<b>Hadi Sadeghzadeh</b>	Osteogenic differentiation of loaded stem cells on magnetic nanofibrous scaffolds	Tabriz University of Medical Sciences	
17:15-17:25	<b>Dr. Neda Roshanravan</b>	Human Cardiac Organoids and microRNAs; An Overview	Tabriz University of Medical Sciences	
17:30-17:40	<b>Elham Zendedel</b>	Role of CD133 in Tissue Engineering and Regenerative Medicine	Sharekord University of Medical Sciences	
17:45-17:55	<b>Aline Da Silva</b>	Bioactive compounds from functional foods as biomarkers	Michigan State University	

## Second Hall

### “Biomarkers in Neurodegenerative Diseases” 11:45-13:00

**Chair Persons: Dr. Surena Nazarbaghi , Dr. Rahim Mahmoudloo, Dr. Hamid Soraya, Dr. Abbas Ebrahimi-Kalan, Dr. Mojtaba Karimpour**

Time	Oral Presenter	Title of presentation	Affiliation	Date
11:45-12:05	<b>Dr. Surena Nazarbaghi</b>	Biomarkers in Neurologic Diseases	Urmia University of Medical Sciences	<b>Morning Session</b>
12:10-12:30	<b>Dr. Kakali Ghoshal</b>	Therapeutic potential of Neurotrophic factors in Parkinson’s Disease	Vanderbilt University	
12:35-12:45	<b>Faezeh Rezaei(Ali Abouei)</b>	A Simulation study of $\beta$ -Amyloid Aggregation in A Variable Height Capillary Microfluidic Device for Early Diagnosis of Alzheimer's Disorder	Tehran University	
12:50-13:00	<b>Sara Karimpour</b>	Biomarkers in Parkinson's disease	Urmia University of Medical Sciences	
13:30-14:30	<b>Pray, Lunch&amp; Poster Presentation</b>			



## Second Hall

### “Biomarkers in COVID-19” 14:30-17:30

**Chair Persons: Dr. Jalil Mousavi, Dr. Naser Gharebaghi, Dr. Rahim Nejadrahim, Dr. Morteza Motezakker ,Dr. Gholamreza Farjah, Dr. Lida Lotfollahi, Dr. Rasoul Zarrin**

Time	Oral Presenter	Title of Presentation	Affiliation	<b>Afternoon Session</b>
14:30-14:50	<b>Dr. Reza Nassiri</b>	Inflammatory markers in COVID-19	Michigan state university	
14:55-15:15	<b>Dr. Rahim Nejadrahim</b>	Biomarkers in COVID-19	Department of Infectious Disease, Urmia University of Medical Sciences	
15:20-15:40	<b>Dr. Imtiyaz Murtaza</b>	oxidative stress and inflammation biomarkers as emerging targets of Nutraceuticals	University of Agricultural Sciences and Technology of Kashmir, Shalimar campus, Sgr. Kashmir, Jammu and Kashmir, India	
15:45-15:55	<b>Mohammad Sadegh Soltani</b>	High levels of miR-155 as a key regulator for Th17/Treg imbalance in severe condition COVID-19 patients	Tabriz University of Medical Sciences	
<b>16:00-16:30</b>	<b>Break time &amp; Poster Presentation</b>			
16:30-16:50	<b>Dr. Laigha Khadri</b>	Inflammatory markers in hospitalized Covid-19 patients leading to sepsis	Bangalore University, Karnataka	
16:55-17:05	<b>Sahar Golabi</b>	Serum Concentrations of Thyroid-Stimulating Hormone, Triiodothyronine, and Thyroxine in Outpatients Infected with SARS-CoV2 in Khuzestan Province, Iran: A Disease Clinical Course Approach	Abadan University of Medical Sciences	
17:10-17:30	<b>Dr. Hakimeh Zali</b>	Emerging variants of SARS-COV2 System Biology for Biomarker Discovery	Shahid Beheshti University of Medical Sciences	
17:35-17:45	<b>Mahshid Naghashpour</b>	Oxidative Stress and Inflammatory Status in COVID-19 Outpatients: A Health Center-Based Analytical Cross-Sectional Study	Abadan University of Medical Sciences	

**3<sup>rd</sup> Day: Friday, 24 Feb., 2023**

**First Hall**

**“Biomarkers in Personalized Medicine”**

**9:00-10:50**

**Chair Persons: Dr. Ramin Saadatian, Dr. Abbas Ebrahimi kalan, Dr. Ata Abbasi , Dr. Naser Shokrzadeh, Dr. Tohid Rezaei**

<b>Time</b>	<b>Oral Presenter</b>	<b>Title of Presentation</b>	<b>Affiliation</b>	<b>Date</b>
9:00-9:20	<b>Dr. Gholamreza Tizroo</b>	Hormones in the evaluation of Ovarian Reserves	Urmia University of Medical Sciences	<b>Morning Session</b>
9:25-9:45	<b>Dr. Hani Al-Salami</b>	Advanced bio-nanotechnologies in the targeted-therapeutic delivery of drugs, genes and various matrices	urtin Health Innovation Research Institute, Curtin University, Perth, WA, Australia	
9:50-10:10	<b>Dr. Mustafa Numan Bucak</b>	Comparison of the Sperm Tail Proteome in Asthenozoospermic and Normozoospermic Patients Reveals the Role of DDX3 Induced Stress Response in Loss of Motility	Faculty of Veterinary Medicine, Selçuk University, Konya, Turkey	
10:15-10:25	<b>Dr. Roohollah Mohseni</b>	Metabolic deregulation in peripheral blood mononuclear cells reflects the onset of atherosclerosis	Shahrekord University of Medical Sciences	
10:30-10:50	<b>Maryamosadat Mavaei</b>	Paper-Based Colorimetric biosensor integrated with Smartphone device for Detection of miRNA-21	Kermanshah university of Medical sciences	
11:15-11: 45	<b>Break Time &amp; Poster Presentation</b>			
<b>11:45-13:00</b>	<b>Closing Lecture of the Congress by Dr. Saber Gholizadeh</b>			

## Student Panel

**9:00-11:20**

**Chair Persons: Dr. Vahid Shafiei, Dr. Jafar Rezaie, Dr. Morteza Ghasemnejad, Mohadeseh Nemati, Mohammad rafi Khezri, Tooba Mohammadi**

Time	Oral Presenter	Title of Presentation	Affiliation	Date	
8:30-8:40	<b>Dr. Vahid Shafiei</b>	<b>Welcome note</b>	<b>Urmia University of Medical Sciences, Student committee Director</b>	<b>Morning Session</b>	
8:45-9:10	<b>Dr. Subhash C Chauhan</b>	Cancer Therapeutics	South Texas center of excellence in cancer research, United States		
9:10- 9:20	<b>Parsa Sameii</b>	Effects of zinc supplementation and treadmill exercise during pregnancy on prenatal stress-induced anxiety-like behaviors and neuro-inflammatory biomarkers in adolescent female rat offspring	Urmia University of Medical Sciences		
9:25-9:35	<b>Samereh Younesian</b>	Residual methylation of tumor suppressor gene promoters, RASSF6 and RASSF10, as novel minimal residual disease markers in acute lymphoblastic leukemia	Department of Hematology and Blood Banking, School of Allied Medical Sciences, Shahid Beheshti		
9:35-9:45	<b>Foroogh Hosseini</b>	Alantolactone enhances Cisplatin sensitivity of Ovarian Cancer Cells through the reactive oxygen species-mediated the Phosphatidylinositol 3-Kinase (PI3K)/Akt and NF $\kappa$ B pathway	Tabriz University of Medical Sciences, Department of Clinical Biochemistry		
9:50-10:00	<b>Auob Rustamzadeh</b>	Towards clinical and therapeutic approaches in Alzheimer's disease based on neuroimaging, CSF, and blood biomarkers	Department of Anatomical Sciences, School of Medicine, Iran University of Medical Sciences		
<b>10:00-10:10</b>	<b>Break Time</b>				
<b>Chair Persons: Dr. Tohid Rezaie, Dr. Ali Akbari, Dr. Lida Lotfollahi, Dr. Zahra Moradpoor, Maryam Rahnema, Dr. Maryam Kahyaie, Dr. Mohadeseh Hedayat</b>					
10:10-10:20	<b>Faezeh Noorabad</b>	Recombinant Subunit of Spike Protein as a Vaccine candidate, induces humoral and cellular	Department of Clinical Biochemistry, Faculty of Medical Sciences, Tarbiat Modarres University		
10:25-10:35	<b>Ameneh Zamani</b>	Alteration of serum matrix metalloproteinase-9(MMP-9) and legumain as novel biomarkers for estimating severity of coronary artery stenosis	Shahrekord University of Medical Sciences		

10:40-10:50	<b>Hamed Mohammadi Haris(Reza Panahizadeh)</b>	Metformin modulates Shh/Gli1 pathway to increase the chemosensitivity of gastric cancer cells to docetaxel and 5-flourouracil	Students Research Committee, School of Medicine, Ardabil University of Medical Sciences	
10:55-11:05	<b>Erfan Mosharkesh</b>	Trimethylamine N-Oxide: New Potential Biomarker for Cardiovascular Events	University of Tabriz, Tabriz, Iran	
11:10-11:20	<b>Dr. Sepideh Hassani</b>	Association between the Expression of Annexin A6 with Estrogen, Progesterone and HER2 Receptors in Metastatic Breast Cancer	Urmia University of Medical Sciences, Clinical Biochemistry Department	