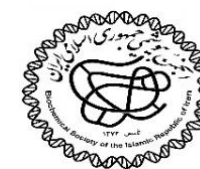




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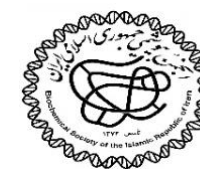
The 17th National Congress of Biochemistry & 8th International Congress of Biochemistry & Molecular Biology

Tehran - Iran

23-26 August 2022

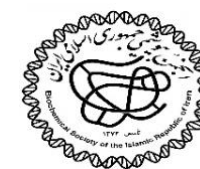


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Congress at a glance

Time	Day 1 (Aug 23, 2022)	Day 2 (Aug 24, 2022)	Day 3 (Aug 25, 2022)	Day 4 (Aug 26, 2022)
8:30 – 10.30	Panel 1A	Panel 2A	Panel 3A	Panel 4A
11:00 – 12:30	Panel 1B	Panel 2B	Panel 3B	Panel 4B
14:00 – 15:30	Panel 1C	Panel 2C	Panel 3C	Panel 4C
16:00 -17:45	Oral Presentations	Oral Presentations	Oral Presentations	Oral Presentations



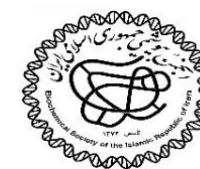
Day 1 (Aug 23, 2022)

Time	Day 1 (Aug 23,2022)
8:30-9:00	Opening ceremony and welcome speech
9:00-11:00	Panel 1A: Laboratory abnormalities in COVID-19 patients: new updates
Panel Members: Dr. Alireza Biglari, Dr. Mostafa Salehi-Vazir, Dr. Tahmineh Jalali, Dr. Giuseppe Lippi.	
9:00-9:20	Dr. Alireza Biglari, Iran: Establishment and management of the national laboratory network for COVID-19.
9:20-9:50	Dr. Mostafa Salehi-Vazir, Iran: Laboratory diagnosis of COVID-19 and surveillance of SARS-COV-2 variants.
9:50- 10:10	Dr. Tahmineh Jalali, Iran: Role of Laboratory in the clinical trials of COVID-19 vaccines.
10:10- 10:30	Dr. Giuseppe Lippi, Italy: Laboratory abnormalities in children with novel coronavirus disease 2019.
10:30- 10:45	Panel discussion
10.45-11:00	Break

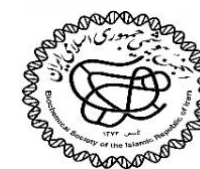
11:00-12:30	Panel 1B: Communication between laboratory and clinicians in preanalytical steps
Panel Members: Dr. Mario Plebani, Dr. Janne Cadamuro, Dr. Vincent De Guire	
11:00 -11:30	Dr. Mario Plebani, Italy: Errors in clinical laboratories or errors in laboratory medicine.
11:30 -12:00	Dr. Janne Cadamuro, Italy: Patient-focused laboratory medicine, effective health care-laboratory communication, and preanalytical errors.
12:00-12:30	Dr. Vincent De Guire, Canada: Patient-focused laboratory medicine, effective health care-laboratory communication, and preanalytical errors.
12:30-14:00	Break
14:00- 15:30	Panel 1C: Challenges of HbA1c measurement in the Laboratory
Panel Members: Dr. Hamid Reza Joshaghani, Dr. Farideh Razi, Dr. Ensieh Nasli Esfahani	
14:00 -14:20	Dr. Hamid Reza Joshaghani, Iran: Basis of HbA1C measurement methods.
14:20-14:40	Dr. Farideh Razi, Iran: Review of the challenge in measuring hemoglobin A1c.
14:40-15:00	Dr. Ensieh Nasli Esfahani, Iran: The role of hemoglobin A1c in the management of diabetes and its complications.



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15:00-15:30	Panel discussion
15:30-15:45	Break
15:45-17:00	Oral presentations: To be announced later

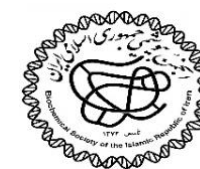


Day 2 (Aug 24, 2022)

Time	Day 2 (Aug 24, 2022)
8:30-11:00	Panel 2-A: Laboratory diagnosis in kidney disease
Panel Members: Dr. Noushin Dalili, Dr. Shima Samavat, Dr. Fariba Samadian, Dr. Somayeh-Sadat Heydari.	
8:30-8:50	Dr. Noushin Dalili, Iran: Challenges in diagnosis in Acute Kidney Injury (AKI) patients.
8:50-9:10	Dr. Shima Samavat, Iran: Challenges in diagnosis in Chronic Kidney Disease (CKD).
9:10-9:30	Dr. Fariba Samadian, Iran: Diagnostic challenges in patients with transplant.
9:30-9:50	Dr. Somaye-Sadat Heidari, Iran: Novel biomarkers in nephrological diseases.
9:50-10:10	Panel discussion
10:10-10:30	Break



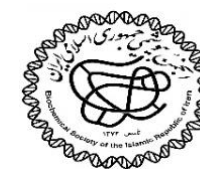
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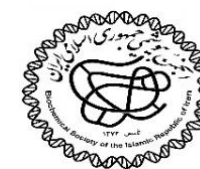
10:30 -12:00	Panel 2B: Challenges in Quality Control (QC)
Panel Members: Dr. Khosrow Adeli, Dr. Christa Cobbaert, Dr. Tony Badrick.	
10:30-11:00	Dr. Khosrow Adeli, Canada: Reference range and harmonization.
11:00-11:30	Dr. Christa Cobbaert, Netherland: Reference measurement services for medical tests: current state of play and future needs.
11:30-12:00	Dr. Tony Badrick, Australia: Risk management of total testing in Clinical Chemistry.
12:00-14:00	Break
14:00-15:30	Panel 2C: Biochemistry of cancer
Panel Members: Dr. Masoumeh Tavakoli, Dr. Zahra Shahsavari, Dr. Gholamreza Asadikaram, Dr. Pooneh Mokarram.	
14:00-14:20	Dr. Masoumeh Tavakoli, Iran: The strengths and limits of local and circulating stem cell markers in diagnosis of primary bone tumors.
14:20-14:40	Dr. Zahra Shahsavari, Iran: Intracellular crosstalk between four main cell death pathways: necroptosis, ferroptosis and autophagy as backup death routes.
14:40-15:00	Dr. Gholamreza Asadikaram, Iran: Association of some organochlorine pesticides with oxidative-stress factors and some epigenetic alterations in breast, colorectal, bladder , blood, gastric and thyroid cancers in kerman province



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15:00-15:20	Dr. Pooneh Mokarram, Iran: Targeting autophagy & unfolded protein responses to treat cancer: research facilities and capabilities
15:20-15:30	Panel discussion
15:30-15:45	Break
15:45-17:45	Oral presentations: To be announced later

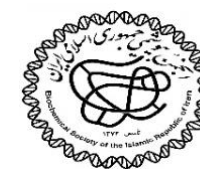


Day 3 (Aug 25, 2022)

Time	Day 3 (Aug 25, 2022)
8:30-10:00	Panel 3A: Laboratory diagnosis in gastrointestinal tract (GIT) diseases
Panel Members: Dr. Seidamir Pasha Tabaeian, Dr. Mahnaz Sadeghian, Dr. Azizollah Yousefi, Dr. Zahra Hesari	
8:30-8:50	Dr. Seidamir Pasha Tabaeian, Iran: Non-alcoholic fatty liver disease; diagnosis and treatment.
8:50-9:10	Dr. Mahnaz Sadeghian, Iran: Laboratory findings of pancreas insufficiency.
9:10-9:30	Dr. Azizollah Yousefi, Iran: Celiac disease and diagnostic challenges.
9:30-9:50	Dr. Zahra Hesari, Iran: Key points in the laboratory tests for the evaluation of liver and pancreatic disorders.
9:50-10:10	Panel discussion
10:10 -10:30	Break



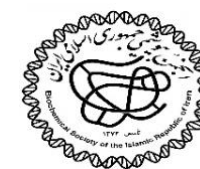
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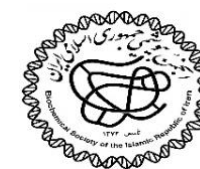
10:30-12:00	Panel 3B: Clinical consultant in the field of clinical chemistry
Panel Members: Dr. Samuel Vasikaran, Dr. Damien Gruson, Dr. Sedef Yenice.	
10:30-11:00	Dr. Samuel Vasikaran, Australia: Interpretative commenting in lab medicine.
11:00-11:30	Dr. Damien Gruson, Belgium: Big Data, AI and the future of diagnostic interpretations.
11:30-12:00	Dr. Sedef Yenice, Turkey: Failure mode and effect analysis (FMEA) in lab medicine.
12:00-14:00	Break
14-15:30	Panel 3C: Nutrition and biochemistry of inflammatory disorders
Panel Members: Dr. Ebrahim Abasi, Dr. Solaleh Emamgholipour, Dr. Seyedeh Zahra Bathaie, Dr. Saman Hosseinkhani.	
14:00 -14:20	Dr. Ebrahim Abasi, Iran: Probiotics and neurodegenerative diseases
14:20-14:40	Dr. Solaleh Emamgholipour, Iran: Prebiotics in the management of obesity and associated metabolic disorders.



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14:40-15:00	Dr. Seyedeh Zahra Bathaie, Iran: Structural and functional effects of natural products, and food components on protein aggregation involved in Alzheimer's and Parkinson's diseases.
15:00-15:20	Dr. Saman Hosseinkhani, Iran: Split-luciferase complementary assay of NLRP3 PYD-PYD interaction revealed inflammasome inhibitors during inflammation.
15:20-15:30	Panel discussion
15:30-15:45	Break
15:45-17:00	Oral presentations: To be announced later

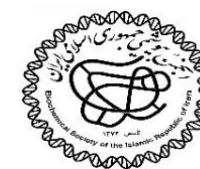


Day 4 (Aug 26, 2022)

Time	Day 4 (Aug 26, 2022)
8:30-10:00	Panel 4A: Emerging technologies in clinical laboratory
Panel Members: Dr. Sergio Bernardini, Dr. Daniel T Holmes, Dr. Mohsen Ghasemi, Dr. Ali Khademhosseini.	
8:30-8:50	Dr. Sergio Bernardini, Italy: Introduction to emerging technologies in clinical laboratories work experience.
8:50-9:10	Dr. Daniel T Holmes, Canada: Mass spectrometry.
9:10-9:30	Dr. Mohsen Ghasemi, Iran: Application of proteomics in nephrology.
9:30-9:50	Dr. Ali Khademhosseini, USA: 3D Bioprinting and precision medicine.
9:50-10:00	Panel discussion
10:00-10:30	Break



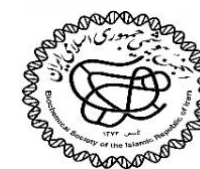
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10:30 -12:00	Panel 4B: Clinical biochemistry: education in 21st century
Panel Members: Dr. Nader Rifai, Dr. Roger Bertholf	
10:30-11:00	Dr. Nader Rifai, USA: The dissemination of scientific information in the 21st century, the objectives of Tietz Textbook.
11:00-11:30	Dr. Roger Bertholf, USA: Effective education in clinical chemistry in the new millenn
11:30-12:00	To be announced later
12:00-14:00	Break
14:00-15:50	Panel 4C: Clinical laboratory diagnostic technologies: opportunities and challenges
Panel Members: Dr. Mohamad Javad Rasaei, Dr. Gholamreza Behroozi, Dr. Behrooz Alirezapour, Dr. Hossein Ghanbarian, Dr. Kayhan Kroundian.	
14:00 -14:20	Dr. Mohamad Javad Rasaei, Iran: Clinical laboratory technologies, opportunities and challenges
14:20-14:40	Dr. Gholamreza Behroozi, Iran: Biology and industry.
14:40-15:10	Dr. Behrooz Alirezapour, Iran: Applications and commercialization of radiodiagnostic and therapeutic drugs.



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15:10-15:20	Dr. Hossein Ghanbarian, Iran: Opportunities to produce knowledge-based products in Iran.
15:20-15:40	Dr. Kayhan Kroundian, Iran: Use of gold nanoparticles in staining bacteria.
15:40-15:50	Panel discussion
15:50:16:00	Break
16:00:17:00	Oral presentations: To be announced later
17:00-18:30	Closing & Awards Ceremony