



Symphony of Healing: Unlocking Regenerative Potential with Microbiome

15-19 Aug, 2026

Scientific Program

First Day, Saturday 15 August 2026

Opening Ceremony

08:00-09:00	Registration	
09:00-09:10	Holy Quran & National Anthem of Iran	
09:10-09:15	Dr. Samaneh Hosseini	Scientific Secretary of 17 th International Summer School
09:15-09:25	Prof. Abdolhossein Shahverdi	President of Royan Institute
09:25-09:35	Dr. Zahra Sheikhi	Deputy for Research and Technology, ACECR
09:35-09:45	Prof. Mohammad Reza Soudi	President of Iranian Society of Microbial Science and Technology
09:45-10:00	Dr. Maryam Tajabadi Ebrahimi	President of Iranian Probiotics and Functional Food Society

1st Session: Stem Cells & Microbiome

10:00-11:00	Prof. Seyed Davar Siadat Pasteur Institute, Iran	Title: The Microbiota-Stem Cell Axis
11:00-11:30	Break	
11:30-12:30	Dr. Bahareh Attaran Alzahra University, Iran	Title: Microbiome-Mediated Immune Modulation: Paving the Way for Improved Stem Cell Engraftment
12:30-13:30	Lunch and Pray	

2nd Session: Prebiotics and Postbiotics in Practice I

13:30-14:30	Prof. Abbas Akhavan Sepahi Azad Islamic University, Iran	Title: Postbiotics as Next-Generation Bioactive Agents: Production, Mechanisms, and Clinical Applications
14:30-15:30	Dr. Shaghayegh Nasr Iranian Biological Resource Center, Iran	Title: From Gut Health to Healthcare Outcomes: The Impact of Prebiotics, Probiotics, Synbiotics, and Postbiotics
15:30-16:00	Break	
16:00-17:30	Amir Hossein Ghazanfari Royan Institute, Iran	First Workshop: Principle of Microbial Culture



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Second Day, Sunday 16 August 2026		
1 st Session: Microbiome and Reproduction		
08:00-09:00	Dr. Ladan Giahi Avicenna Research Institute, ACECR, Iran	Title: The Role of the Microbiome and Metabolism in Reproduction
09:00-10:00	Dr. Naser Aghdami Royan Institute, Iran	Title: Deciphering the Reproductive Microbiome as the Next Frontier in Infertility Treatment
10:00-10:30	Break	
2 nd Session: Prebiotics and Postbiotics in Practice II		
10:30-11:30	Kalleh Company	Title: The Gut Microbiome, Human Health, and Nutrition: Understanding Their Roles and Interactions
11:30-12:30	Dr. Mahdi Rohani Pasteur Institute, Iran	Title: Modulating the Human Microbiome: Therapeutic Potential of Probiotics and Postbiotics in Health and Disease
12:30-13:30	Lunch and Pray	
13:30-15:30	Dr. Abozar Ghorbani Nuclear Science and Technology Research Institute, Iran	Second Workshop: Microbiome Data Analysis
15:30-16:00	Scientific Competition	



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Third Day, Monday 17 August 2026		
1 st Session: Microbiome Effects on Tissues and Organ I		
08:00-09:00	Dr. Leila Satarian Royan Institute, Iran	Title: The Gut-CNS Connection: How Microbes Affect Your Brain and Your Vision
09:00-10:00	Dr. Seyed Mehdi Tabaie Yara Institute, ACECR, Iran	Title: Microbiome-Guided Innovations in Wound Care
10:00-10:30	Break	
2 nd Session: Microbiome Effects on Tissues and Organ II		
10:30-11:30	Dr. Hanieh-Sadat Ejtahed Tehran University, Iran	Title: Relationship Between Microbiota, Obesity, and Sarcopenia
11:30-12:30	Dr. Ghazaleh Eslamian Shahid Beheshti University, Iran	Title: The Gut Microbiome Never Forgets Obesity: The Role of Microbiota in Post-Diet Weight Regain
12:30-13:30	Lunch and Pray	
13:30-15:30	Dr. Azarnoosh Ghiasvand CEO of Zistmahsoolpersian Laboratory, Iran	Third Workshop: Isolation of Industrial Probiotic Strains
15:30-16:00	Scientific Competition	



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Forth Day, Tuesday 18 August 2026		
1 st Session: Microbiome in Health and Disease Prevention		
08:00-09:00	Dr. Francesco Asnicar (Virtual) University of Trento, Italy	Title: Gut Microbiome Linked with Health and Nutrition
09:00-10:00	Dr. Nasrin Mohajeri, National Cancer Institute, ACECR, Iran	Title: The Healthy Tissue Microbiome: A New Frontier in Cancer Prevention and Therapy
10:00-10:30	Break	
2 nd Session: Microbiome in Inflammation, Repair, and Regeneration		
10:30-11:30	Dr. Delaram Doroud Pasteur Institute, Iran	Title: Microbiome Meets Biomaterials: Designing the Next Generation of Regenerative Medicine
11:30-12:30	Dr. Mohamad Kazemi Ashtiani Royan Institute, Iran	Title: Postbiotic Delivery: A Path to Peace at the Implant-Host Interface
12:30-13:30	Lunch and Pray	
13:30-15:30	Dr. Maryam Tajabadi Ebrahimi, CEO of Takgene Zist Co. Dr. Fazlollah Heidarnejad Co-founder of Zisttakhmir Co. Dr. Homayoun Moradi, CEO of Biorun Co.	Panel Discussion: “Microbiome from Lab to Industry: Opportunities and Challenges” Moderator: Dr. Massoud Vosough
15:30-16:00	Scientific Competition	



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Fifth Day, Wednesday 19 August 2026		
1 st Session: Cutting-Edge Tech, Organoids, Omics and Microbiome		
08:00-09:00	Dr. Sajjad Sarikhan Iranian Biological Resource Center, Iran	Title: Principles of Next And Third Generation Sequencing and Its Applications in Omics Studies
09:00-10:00	Dr. Ameneh Elikaei Alzahra University, Iran	Title: The Human Phageome: Unlocking the Viral Dimension of the Microbiome
10:00-10:30	Break	
2 nd Session: Clinical Translation, Ethics & Challenges		
10:30-11:30	Dr. Alireza Alizadeh Moghadam Royan Institute, Iran	Title: Translating Gut Microbiota Research from Mouse Models to Humans: Opportunities and Limitations
11:30-12:30	Dr. Hamid Asadzadeh Sydney, Australia (Virtual)	Title: Clinical Aspects of Gut Microbiota
Closing Ceremony		
12:30-12:40	Holy Quran & National Anthem of Iran	
12:40-12:50	Dr. Rohollah Fathi	Deputy for Education, Royan Institute
12:50-13:00	Dr. Abolhassan Shahzadeh Fazeli	Deputy for Research and Technology, Royan Institute
13:00-13:15	Musical Performance	
13:15-13:30	Award Ceremony	