

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter

Number 2-65, November, 2019

**What have EMGEN member countries
achieved in the research areas?**

No	Article	Link	Country
1	The Role of Glutamine in the Complex Interaction between Gut Microbiota and Health: A Narrative Review.	https://www.ncbi.nlm.nih.gov/pubmed/31652531	Bahrain
2	Hepatitis B Virus Genotypes in the Kingdom of Bahrain: Prevalence, Gender Distribution and Impact on Hepatic Biomarkers.	https://www.ncbi.nlm.nih.gov/pubmed/31547539	Bahrain

3	Population genetic data of the 21 autosomal STRs included in GlobalFiler kit of a population sample from the Kingdom of Bahrain.	https://www.ncbi.nlm.nih.gov/pubmed/31415577	Bahrain
4	Exploring the effect of epigenetic modifiers on developing insulin-secreting cells.	https://www.ncbi.nlm.nih.gov/pubmed/31755075	Egypt
5	Design And Characterisation Of Novel Sorafenib-Loaded Carbon Nanotubes With Distinct Tumour-Suppressive Activity In Hepatocellular Carcinoma.	https://www.ncbi.nlm.nih.gov/pubmed/31754301	Egypt
6	Purification and Characterization of Acetylcholinesterase in <i>Rhynchophorus ferrugineus</i> (Olivier) (Coleoptera: Curculionidae).	https://www.ncbi.nlm.nih.gov/pubmed/31751747	Egypt
7	Delivery of HIV-1 polyepitope constructs using cationic and amphipathic cell penetrating peptides into mammalian cells.	https://www.ncbi.nlm.nih.gov/pubmed/31755394	Iran
8	The Effect of Arsenic Trioxide on All-trans Retinoic Acid Binding to Human Serum Albumin.	https://www.ncbi.nlm.nih.gov/pubmed/31755049	Iran
9	Formulation of HBs antigen in Montanide ISA266 shows superiority to commercial HBsAg vaccine in the induction of humoral immune responses.	https://www.ncbi.nlm.nih.gov/pubmed/31749917	Iran
10	HIV-1 integrase drug-resistance mutations in Iranian treatment-experienced HIV-1-infected patients.	https://www.ncbi.nlm.nih.gov/pubmed/31741096	Iran
11	Vitamin K1 As A Potential Molecule For Reducing Single-Walled Carbon Nanotubes-Stimulated α -Synuclein Structural Changes And Cytotoxicity.	https://www.ncbi.nlm.nih.gov/pubmed/31749617	Iraq
12	Identification of carbon nanotube particles in liver tissue and its effects	https://www.ncbi.nlm.nih.gov/pubmed/31749617	Iraq

	on apoptosis of birds exposed to air pollution.	d/31749569	
13	7- <i>O</i> -methylpunctatin, a Novel Homoisoflavonoid, Inhibits Phenotypic Switch of Human Arteriolar Smooth Muscle Cells.	https://www.ncbi.nlm.nih.gov/pubmed/31717401	Jordan
14	Increased Adipose Tissue Expression of Interferon Regulatory Factor (IRF)-5 in Obesity: Association with Metabolic Inflammation.	https://www.ncbi.nlm.nih.gov/pubmed/31718015	Kuwait
15	Dissociating STAT4 and STAT5 Signaling Inhibitory Functions of SOCS3: Effects on CD8 T Cell Responses.	https://www.ncbi.nlm.nih.gov/pubmed/31748225	Lebanon

Conferences and Meetings on Biotechnology

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graph TD; A[Conferences and Meetings on Biotechnology] --> B[Ninth Iranian Conference on Bioinformatics]; A --> C[Twenty-fifth Razi Medical Sciences Research Festival]; A --> D[World Biotechnology Congress 2020];
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[Ninth Iranian
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[World
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New Findings

[Self-restrained genes enable evolutionary novelty](#)

Evolution can promote novelty by keeping gene expression in check.

[In a first for cell biology, scientists observe ribosome assembly in real time](#)

A team of scientists has recorded in real time a key step in the assembly of ribosomes -- the complex and evolutionarily ancient 'molecular machines' that make proteins in cells and are essential for all life forms. They reveal in unprecedented detail how strands of RNA are 'chaperoned' by ribosomal proteins into folding properly; the findings overturn the longstanding belief that ribosomes are assembled in a tightly controlled, step-wise process.

EMGEN Secretariat:

Biotechnology Research Center, Department of Medical Biotechnology, Pasteur Institute of Iran (IPI), No. 69, Pasteur Ave, Tehran, Iran.

Tel: +9821 64112444

Fax: +9821 66480780

E-mail: Emgen@pasteur.ac.ir