

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter

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What have EMGEN member countries
achieved in the research areas?

No	Article	Link	Country
1	Mitochondrial DNA Copy Number in Peripheral Blood as a Potential Non-invasive Biomarker for Multiple Sclerosis	https://pubmed.ncbi.nlm.nih.gov/31902116	Bahrain
2	The Impact of the Low Frequency of the Electromagnetic Field on Human	https://pubmed.ncbi.nlm.nih.gov/31376139	Egypt

3	Molecular Characterization and Genetic Diversity of the Infectious Laryngotracheitis Virus Strains Circulating in Egypt During the Outbreaks of 2018 and 2019	https://pubmed.ncbi.nlm.nih.gov/29369078	Egypt
4	Continuous Circulation of an Antigenically Modified Very Virulent Infectious Bursal Disease Virus for Fifteen Years in Egypt	https://pubmed.ncbi.nlm.nih.gov/31676447	Egypt
5	Stem Cell Therapy for Hepatocellular Carcinoma: Future Perspectives	https://pubmed.ncbi.nlm.nih.gov/31728916	Egypt
6	Gorgan (Iran) Population HLA Genetics and Anthropology	https://pubmed.ncbi.nlm.nih.gov/31818457	Iran
7	Genetics, TREX1 Mutations	https://pubmed.ncbi.nlm.nih.gov/31335009	Iran
8	Recent Advances in CRISPR/Cas9-mediated Knock-Ins in Mammalian Cells	https://pubmed.ncbi.nlm.nih.gov/31751596	Iran
9	Resolvins: Emerging Players in Autoimmune and Inflammatory Diseases	https://pubmed.ncbi.nlm.nih.gov/31267470	Iran
10	Pathogenic Role of Exosomes and microRNAs in HPV-mediated Inflammation and Cervical Cancer: A Review	https://pubmed.ncbi.nlm.nih.gov/31566705	Iran
11	Livestock-Associated Methicillin-Resistant Staphylococcus aureus in Patients Admitted to Kuwait Hospitals in 2016-2017	https://pubmed.ncbi.nlm.nih.gov/31969864	Kuwait
12	Role of Caveolin-1 in Diabetes and Its Complications	https://pubmed.ncbi.nlm.nih.gov/32082483	Kuwait
13	Exploring the Biological Hallmarks of Cancer of Unknown Primary: Where Do We Stand Today?	https://pubmed.ncbi.nlm.nih.gov/32042068	Lebanon
14	Tissue-resident Memory T Cells in the Skin	https://pubmed.ncbi.nlm.nih.gov/31989191	Lebanon
15	Lipoic Acid a Multi-Level Molecular Inhibitor of Tumorigenesis	https://pubmed.ncbi.nlm.nih.gov/31669587	Lebanon

Conferences and Meetings on Biotechnology

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graph TD; A[Conferences and Meetings on Biotechnology] --> B[13th International Conference on Genomics and Molecular Biology]; A --> C[22th International Congress on Cardiovascular updates]; A --> D[4th World Congress on Advanced Biotechnology]
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13th International
Conference on
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4th World Congress on
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New Findings

[Reproductive genome from the laboratory](#)

Synthetic biology researchers have developed a genome the size of a minimal cell that can copy itself.

[Huge bacteria-eating viruses close gap between life and non-life](#)

Bacterial viruses, called bacteriophages, are simple genetic machines, relying on their bacterial hosts to replicate and spread. But scientists have found hundreds of huge phages that carry a slew of bacterial proteins that the phages evidently use to more efficiently manipulate their microbial hosts. These proteins include those involved with ribosomal production of proteins and the CRISPR bacterial immune system, as if the phages are a hybrid between living microbes and viral

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