

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	MiRNAs: Biology, Biogenesis, Their Web-based Tools, and Databases	https://pubmed.ncbi.nlm.nih.gov/30147022	Iran
2	Glioblastoma Cancer Stem Cell Biology: Potential Theranostic Targets	https://pubmed.ncbi.nlm.nih.gov/30877905	Iran

3	Ataxia-telangiectasia: A Review of Clinical Features and Molecular Pathology	https://pubmed.ncbi.nlm.nih.gov/30685876	Iran
4	Optogenetics in the Era of Cerebral Organoids	https://pubmed.ncbi.nlm.nih.gov/31227305	Iran
5	The Exosome as a Novel Predictive/Diagnostic Biomarker of Rejection in the Field of Transplantation	https://pubmed.ncbi.nlm.nih.gov/31077803	Iran
6	The Hypertensive Potential of Estrogen: An Untold Story	https://pubmed.ncbi.nlm.nih.gov/31629918	Lebanon
7	Clinical and Molecular Epidemiology of Crimean-Congo Hemorrhagic Fever in Oman	https://pubmed.ncbi.nlm.nih.gov/31022170	Oman
8	Protective Effects of Antioxidants in Huntington's Disease: An Extensive Review	https://pubmed.ncbi.nlm.nih.gov/30632085	Oman
9	Genetic Survey of Cystic Echinococcosis in Farm Animals in Oman	https://pubmed.ncbi.nlm.nih.gov/31338730	Oman
10	A Critical Look on CRISPR-based Genome Editing in Plants	https://pubmed.ncbi.nlm.nih.gov/31317541	Pakistan
11	RNA Therapeutics: Identification of Novel Targets Leading to Drug Discovery	https://pubmed.ncbi.nlm.nih.gov/31478252	Pakistan
12	Atenolol Thiourea Hybrid as Potent Urease Inhibitors: Design, Biology-Oriented Drug Synthesis, Inhibitory Activity Screening, and Molecular Docking Studies	https://pubmed.ncbi.nlm.nih.gov/31883395	Pakistan
13	Virus-like Particles for Vaccination Against Cancer	https://pubmed.ncbi.nlm.nih.gov/31456339	Qatar
14	Exploring Dysregulated Signaling Pathways in Cancer	https://pubmed.ncbi.nlm.nih.gov/31939726	Qatar
15	Genetic Diversity and Functional Effect of Common Polymorphisms in Genes Involved in the First Heterodimeric Complex of the Nucleotide Excision Repair Pathway	https://pubmed.ncbi.nlm.nih.gov/31865061	Tunisia

Conferences and Meetings on Biotechnology

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graph TD; A[Conferences and Meetings on Biotechnology] --> B[10th International Conference and Exhibition on Advanced Cell and Gene Therapy]; A --> C[International Conference On Genetic Disorders And Gene Therapy]; A --> D[13th International Conference On Genomics And Molecular Biology];
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10th International
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New Findings

[Mosquitoes engineered to repel dengue virus](#)

Scientists have synthetically engineered mosquitoes that halt the transmission of the dengue virus. Biologists developed a human antibody for dengue suppression in *Aedes aegypti* mosquitoes, the insects that spread dengue. The development marks the first engineered approach in mosquitoes that targets the four known types of dengue, improving upon previous designs that addressed single strains.

['Living fossil' may upend basic tenet of evolutionary theory](#)

Researchers have succeeded in extracting a complete human genome from a thousands-of-years old 'chewing gum.' According to the researchers, it is a new untapped source of ancient DNA.

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