

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	Antibiotic Resistance and Clonal Relatedness of Helicobacter Pylori Strains Isolated From Stomach Biopsy Specimens in Northeast of Iran	https://pubmed.ncbi.nlm.nih.gov/32074664	Iran
2	First Study of Antimicrobial Activity of Ceftazidime-Avibactam	https://pubmed.ncbi.nlm.nih.gov/32110063	Iran

	and Ceftolozane-Tazobactam Against <i>Pseudomonas aeruginosa</i> Isolated From Patients With Urinary Tract Infection in Tehran, Iran		
3	Engineering of an Iranian <i>Bordetella pertussis</i> Strain Producing Inactive Pertussis Toxin	https://pubmed.ncbi.nlm.nih.gov/31778110	Iran
4	First Report of Extended-Spectrum Betalactamase-Producing <i>Klebsiella pneumoniae</i> Among Fecal Carriage in Iran: High Diversity of Clonal Relatedness and Virulence Factor Profiles	https://pubmed.ncbi.nlm.nih.gov/30277830	Iran
5	Evidence of Circulation of West Nile Virus in <i>Culex pipiens</i> Mosquitoes and Horses in Morocco	https://pubmed.ncbi.nlm.nih.gov/32088277	Morocco
6	Pertussis in Infants, in Their Mothers and Other Contacts in Casablanca, Morocco	https://pubmed.ncbi.nlm.nih.gov/31937256	Morocco
7	Validation of a New Rapid Detection Test for Detection of <i>Neisseria meningitidis</i> A/C/W/X/Y Antigens in Cerebrospinal Fluid	https://pubmed.ncbi.nlm.nih.gov/31915288	Morocco
8	Cell-mediated Immune Response Associated With <i>Chlamydia pneumoniae</i> Infection in Atherosclerotic Patients	https://pubmed.ncbi.nlm.nih.gov/31707079	Morocco
9	Hepatitis Viruses Take Advantage of Traditional Practices to Increase the Burden of Hepatocellular Carcinoma in Tunisia	https://pubmed.ncbi.nlm.nih.gov/31630275	Tunisia
10	Spread of Multidrug Resistance Among <i>Ureaplasma</i> Serovars, Tunisia	https://pubmed.ncbi.nlm.nih.gov/31998474	Tunisia
11	Typing of Human Cosaviruses by Sequencing of Full VP1: Update on Global Genetic Diversity and Identification of Possible New Genotypes Circulating in Tunisia, North Africa	https://pubmed.ncbi.nlm.nih.gov/31715246	Tunisia

12	Multiallelic Rare Variants Support an Oligogenic Origin of Sudden Cardiac Death in the Young	https://pubmed.ncbi.nlm.nih.gov/31970460	Tunisia
13	Molecular Characterization and Disease Control of Stem Canker on Royal Poinciana (Delonix regia) Caused by Neoscytalidium dimidiatum in the United Arab Emirates	https://pubmed.ncbi.nlm.nih.gov/32033175	United Arab Emirates
14	Clinical Correlations and Genetic Associations of Metabolic Syndrome in the United Arab Emirates	https://pubmed.ncbi.nlm.nih.gov/32061761	United Arab Emirates
15	Implication of Genetic Variants in Overweight and Obesity Susceptibility Among the Young Arab Population of the United Arab Emirates	https://pubmed.ncbi.nlm.nih.gov/32109558	United Arab Emirates

Conferences and Meetings on Biotechnology

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graph TD; A[Conferences and Meetings on Biotechnology] --> B[25th World Congress on Biotechnology]; A --> C[16th National Congress of Biochemistry and 7th International Congress of Biochemistry and Molecular Biology]; A --> D[European Biotechnology Congress 2020]
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New Findings

[Preventing spread of SARS coronavirus-2 in humans](#)

Infection biologists have investigated how the novel coronavirus SARS-CoV-2 penetrates cells. They have identified a cellular enzyme that is essential for viral entry into lung cells: the protease TMPRSS2. A clinically proven drug known to be active against TMPRSS2 was found to block SARS-CoV-2 infection and might constitute a novel treatment option.

[Second patient has been cured of HIV, study suggests](#)

A study of the second HIV patient to undergo successful stem cell transplantation from donors with a HIV-resistant gene, finds that there was no active viral infection in the patient's blood 30 months after they stopped anti-retroviral therapy, according to a case report.

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