

Eastern Mediterranean Health Genomics & Biotechnology Network



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EMGEN newsletter

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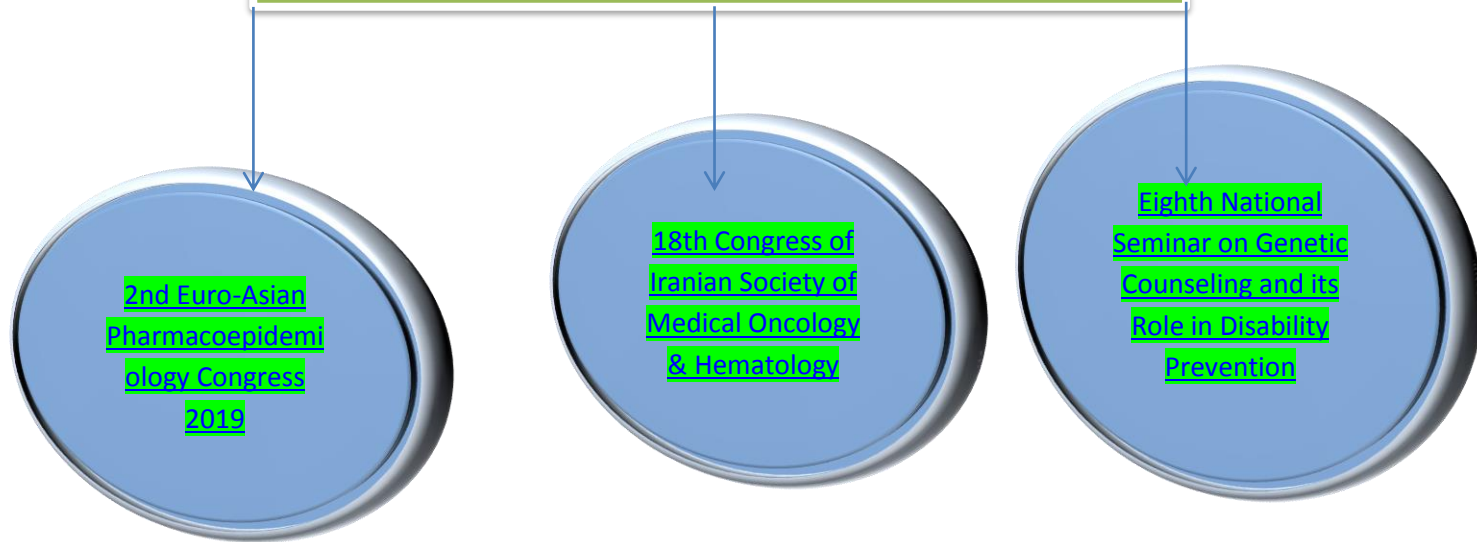
What have EMGEN countries achieved
in the research areas?

No	Article	Link	Country
1	Synthesis, characterization, anti-proliferative properties and DNA binding of benzochromene derivatives: Increased Bax/Bcl-2 ratio and caspase-dependent apoptosis in colorectal cancer cell line.	https://www.ncbi.nlm.nih.gov/pubmed/31590040	Iran

2	Adjuvant therapy with γ -tocopherol-induce apoptosis in HT-29 colon cancer via cyclin-dependent cell cycle arrest mechanism.	https://www.ncbi.nlm.nih.gov/pubmed/31587439	Iran
3	Effects of maternal thyroid hormone deficiency on differentiation of mesenchymal stem cells in CSF-exposed neonatal Wistar rats.	https://www.ncbi.nlm.nih.gov/pubmed/31587019	Iran
4	The association between TNP2 gene polymorphisms and Iranian infertile men with varicocele: A case-control study.	https://www.ncbi.nlm.nih.gov/pubmed/31583373	Iran
5	Overexpression of Mitochondrial Genes (Mitochondrial Transcription Factor A and Cytochrome c Oxidase Subunit 1) in Mouse Metaphase II Oocytes following Vitrification via Cryotop.	https://www.ncbi.nlm.nih.gov/pubmed/31582865	Iran
6	Evaluating the ion exchange chromatography for matrix-assisted pegylation and purification of consensus interferon.	https://www.ncbi.nlm.nih.gov/pubmed/31589775	Pakistan
7	Genetic Analysis of Tyrosinemia Type 1 and Fructose-1, 6 Bisphosphatase Deficiency Affected Pakistani Cohorts.	https://www.ncbi.nlm.nih.gov/pubmed/31584309	Pakistan
8	Variants in GLI3 Cause Greig Cephalopolysyndactyly Syndrome.	https://www.ncbi.nlm.nih.gov/pubmed/31573334	Pakistan
9	Marine Natural Products and Drug Resistance in Latent Tuberculosis.	https://www.ncbi.nlm.nih.gov/pubmed/31561525	Pakistan
10	Prevalence of Hepatitis C Virus Genotypes in Pakistan: Current Scenario and Review of Literature.	https://www.ncbi.nlm.nih.gov/pubmed/31556811	Pakistan
11	Formononetin Upregulates Nrf2/HO-1 Signaling and Prevents	https://www.ncbi.nlm.nih.gov/pubmed/	Jordan

	Oxidative Stress, Inflammation, and Kidney Injury in Methotrexate-Induced Rats.	d/31561418	
12	Evaluation of Patched-1 Protein Expression Level in Low Risk and High Risk Basal Cell Carcinoma Subtypes.	https://www.ncbi.nlm.nih.gov/pubmed/31554387	Jordan
13	Evaluation of Vitamin B12, Folate and Ferritin Serum Levels in Jordanian Population.	https://www.ncbi.nlm.nih.gov/pubmed/31474680	Jordan
14	Assessing the forensic efficiency of the GlobalFiler STR loci among the genetically isolated Chechen subpopulation in Jordan.	https://www.ncbi.nlm.nih.gov/pubmed/31473321	Jordan
15	Association of Breastfeeding Duration with Susceptibility to Allergy, Influenza, and Methylation Status of TLR1 Gene.	https://www.ncbi.nlm.nih.gov/pubmed/31454983	Jordan

Conferences and Meetings on Biotechnology



New Findings

[Nobel Prize in Physiology or Medicine 2019: How cells sense and adapt to oxygen availability](#)

The 2019 Nobel Prize in Physiology or Medicine is being awarded jointly to William G. Kaelin Jr., Sir Peter J. Ratcliffe and Gregg L. Semenza for identifying molecular machinery that regulates the activity of genes in response to varying levels of oxygen.

[Genetically tailored instruction improves songbird learning](#)

A new study conducted in songbirds demonstrates that what at first appear to be genetic constraints on birds' song learning abilities could be largely eliminated by tailoring instruction to better match the birds' inborn predispositions.

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