

Internal Research Grants

1. SLC26A4 gene silencing for a potential siRNA-based therapy of respiratory inflammation. 200,000 AED, PI. Hassen Hadj Kacem, COPIs: Rifat Hamoudi, Iman Talaat, Riyad Bendardaf, Khalid Bajou, Abdelaziz Tlili
2. Physiological, biochemical, and molecular responses of vegetable crops to metal nanoparticles: a phytotoxicity assessment. 189,000 AED, PI: Kareem A. Mosa, Co-PIs: Ali El-Keblawy, Ihsan Ahmed Shehadi, Ahmed M Almehdi
3. Exploring mechanisms of 5FU-resistance in colorectal cancer cells with deficient DNA mismatch repair, cells. 200,000 AED, PI: Maha Saber, Wael Abdel Rahman, Hany Omar, Dana Zaher, Iman Talaat
4. Screening for Genetic Variations in Complement Regulating Proteins, CFH and MCP in Proliferative Glomerulonephritis in a Cohort of Egyptian Patients. 55,600 AED, PI: Iman Talaat, CoPI: Rifat Hamoudi
5. Pattern, Stage, and Time of Recurrent Colorectal Cancer After Curative Surgery. 67,000 AED, PI: Salman Guraya, Yaseen Rafee, Tim Strate
6. Comparing understanding of interprofessional education of medical students. 17,000 AED, PI: Salman Guraya, Mona Alqahtani, David Leena
7. Integrative meta-analysis and bioinformatics approach identifies microRNA-21 and its targets as diagnostic biomarkers for colorectal and pancreatic ductal adenocarcinoma. 80,000 AED, PI: Prof Rifat Hamoudi

8. Deciphering the Molecular Mechanisms of Intratumoural Heterogeneity in Renal Cell Carcinoma: New Approach for Prognostic Stratification and Discovery of Therapeutic Targets. 80,000 AED, PI: Iman Talaat, CoPI: Rifat Hamoudi
9. Impact of Gene Variants on Therapeutic and Immune Response in COVID-19 patients: A predictive model of the Disease Outcome. 200,000 AED, PI: Maha Saber
10. Development of Emirati Pharmacogenomics Passport: towards practicing personalized medicine in UAE. 400,000 AED, PI: Maha Saber
11. Analysis of Dickopf-3 (DKK3) as a potential prognostic marker and therapy in breast and colorectal cancer. 40,000 AED, PI: Zainab Al Shareef
12. Dkk-3 as a potential theranostic biomarker in prostate cancer. 200,000 AED, PI: Zainab Al Shareef, CoPI: Iman Talaat
13. Repurposing of Montelukast in treatment of early diabetic kidney disease. 80,000 AED, PIs: Maha Saber, Rifat Hamoudi, Iman Taalat, Maha Guimei, Thenmozhi Venkatachalam, Mahmood Hachim
14. Targeting the Epidermal Growth Factor Receptor (EGFR) to Prevent Brain Metastasis in Triple Negative Breast Cancer. 80,000 AED, PI: Rifat Hamoudi, Rania Harati

15. Identification of salivary microbiome in association with severe asthma among UAE population. 80,000 AED, PI: Rifat Hamoudi, CoPIs: Bassam Mahboub, Poorna Manasa Bhamidimarri, Laila Salameh
16. Breast cancer brain metastasis: identifying the microRNAs signature that promotes extravasation of triple negative metastatic breast cancer cells through the blood-brain barrier. 200,000 AED, PI: Rifat Hamoudi
17. The use of bioinformatics and engineering mathematics followed by biological in vitro and in vivo validation to decipher the molecular mechanism of COVID-19 infection of the respiratory tract. 210,000 AED, PI: Rifat Hamoudi