

Ahmed Awad, PhD

Doctorate

Molecular Genetics and Cytogenetics

Education

PhD, Molecular Genetics and Cytogenetics, University of Sadat City, 2018-2024

MSc, Genetic Engineering, Faculty of Biotechnology, 2009-2013

BSc, Faculty of Science, Menoufiya University, 2001-2005

Research Interests

- Cancer therapeutics and personalized medicine
- Cancer diagnostics and nano-medicine
- Bioinformatics and early cancer diagnostics
- Nano-medicine
- Translation medicine
- Bio-business tracks

Last 5 Publications

- Awad, A.A., Dabous, E., Alalem, M. et al. (2024). MicroRNA-141-regulated KLK10 and TNFSF-15 gene expression in hepatoblastoma cells as a novel mechanism in liver carcinogenesis. *Scientific Reports*, 14, 13492
- Tabl, A.M.; Ebeid, M.E.; Ali, Y.B.M.; Elawdan, K.A.; Alalem, M.; Al-Eidan, A.A.; Alalem, N.; Mansour, A.S.; Awad, A.M.; El-Madawy, E.A.; et al. Nanomodified Nexavar Enhances Efficacy in Caco-2 Cells via Targeting Aspartate β -Hydroxylase-Driven Mitochondrial Cell Death. *Immuno* 2026, 6, 5.
- Dabous, E., Alalem, M., Awad, A.A. et al. (2024). Regulation of KLRC and Ceacam gene expression by miR-141 supports cell proliferation and metastasis in cervical cancer cells. *BMC Cancer*, 24, 1091.
- Shawky, S.M., Awad, A.A.*, Abugable, A.A., El-Khamisy, S.F. (2018). Gold nanoparticles – an optical biosensor for RNA quantification for cancer and neurologic disorders diagnosis. *International Journal of Nanomedicine*, 13, 8137–8151
- Shawky, S.M., Awad, A.A., Walaa Allam, Mohamed H. Alkordj, El-Khamisy, S.F. (2017). Gold aggregating gold: A novel nanoparticle biosensor approach for the direct quantification of hepatitis C virus RNA in clinical samples. *Biosensors and Bioelectronics*, 92, 349–356.

Memberships

- European Association for Cancer Research (Active membership)
- American Association for cancer Research (AACR)

- American Society for microbiology (ASM)
- Ambassador for European Association for Cancer Research
- Trusted Reviewer, Springer Nature
- Reviewer, Non-coding RNA Research Journal

Awards

- Marie Skłodowska-Curie Postdoctoral Fellow | Cancer Genetics and Translational Oncology Research (MSCA-Co-Fund)- KUTTAM- Koç University- Turkey
- USAID Scholarship in Nano-Biotechnology – University of California (2020)
- ASM Science Teaching Fellowship; American Society for Microbiology (ASM) for Science Teaching Fellowship for undergraduate and postgraduates (2013–2014)
- Cairo Innovation Award – HCV Nano-diagnostic Kit Development (2019)
- Misr El-Kheir Early Career Research Leadership Scholarship; Awarded in recognition of research leadership potential and early-career scientific contributions.