


Short CV Format

Name:	Safia Samir Elnaggar	Photo 
Date of Birth:	3-4-1979	
Last University Degree – Faculty - University – Country - Graduation Date	PhD (Microbiology), Faculty of Science, Ain Shams University, Cairo, Egypt, 2017.	
Affiliation:	Theodor Bilharz Research Institute (TBRI)	
Current Position:	Researcher, Biochemistry and Molecular Biology Dep.	
Contact information:	E-mail: safiasamir0812@gmail.com, s.elnaggar@tbri.gov.eg Tel.: 01003668573	
Experience and Research interest:	<ul style="list-style-type: none"> • gene isolation, characterization, molecular cloning, recombinant protein expression. • Molecular diagnosis of HPV-genotypes, and EBV using PCR and quantitative Real time PCR. Studying bioactivity of recombinant human interferons by measuring the expression level of MxA gene using quantitative RT- PCR • DNA extraction and analysis from blood, urine and tissues. DNA analysis using dot blot hybridization. • <i>In-situ</i> hybridization (ISH). • Good experience in tissue culture procedures such as: propagation and culturing of attached cell lines (Vero cells, HepG2 and MCF7), subculturing and cell freezing. Viruses' propagation and activation (Vesicular Stomatitis virus), virus titer determination using TCID₅₀ and plaque assays. Cytotoxicity, anticancer activity, and antiviral assay of different synthetic and natural compounds. • Academic experience in phage therapy and isolation of lytic phages, and mass spectrometry. 	
Best Five Relevant Publications and/or granted patents		
<i>Authors (underline your name), year, title, Journal, vol. and pages</i>		
Hend Okasha, Safia Samir (2020): Synthesis and molecular cloning of antimicrobial peptide chromogranin A N-46 gene using conventional PCR. Gene Reports 18 (2020) 100571.		
Hend Okasha, Marwa Hassan, Tarek Aboushousha, & Safia Samir. (2019). Effect of Interferon-Beta (IFN-β) on tumor suppressor and apoptotic markers in hepatocellular carcinoma cell line. International Journal of Research in Pharmaceutical Sciences, 10(4), 2936-2943.		

Shaaban R, El-Sayed WM, Samir S & El-Dabaa E (2019): Molecular and Biological Characterization of a Prepared Recombinant Human Interferon Alpha 2b Isoform. *Applied Biochemistry and Biotechnology*. 188 (1): 72-86

H Badawi, M Abbass, O Hammam, M El Said, A Ismail, A Badawy, G Mostafa, S Samir, El-Dabaa E, and Saber M. (2018): Molecular and in-situ hybridization detection of Human Papillomavirus genotypes among Egyptian patients with bladder cancer. *International Journal of Pharmaceutical Research*. 11(3)

Hala Badawi, Manal El Said, Safia Samir, Ahmed Ismail, Afkar Badawy, Ahmed Barakat. and Mohamed Saber (2018): Prevalence of Human Papillomavirus Genotypes among Egyptian Patients with Cancer Bladder. *Journal of International Pharmaceutical Research*. (45): 203-214.

Other information:

Member in the following Research projects: ASRT Egypt ID 75 (2004-2008) on A new approach for detection of antibodies to human papilloma virus (HPV) 16 and 18 in cancer bladder cases by ELISA, using HPV 16 and 18 virus like particles produced by recombinant Baculovirus.

- **STDF projects ID 1454 (2010-2015) on Development of production and pegylation of interferon alpha, and STDF ID: 1763 (2010-2017) on Impact of Interferon-alpha-2 alleles and anti-Interferon alpha-2 antibodies in HCV infected patients as predictive factors for response to Interferon therapy.**
- **She is the PI of an STDF- Young Researchers Grant (STDF-YRG) project ID 33390 (2019-running) on Isolation and identification of lytic Bacteriophages against Methicillin Resistant *Staphylococcus aureus*.**
- **Member in STDF Young Researchers Grant (STDF-YRG) project ID 33430 (2019-running) on Process Development for Industrial Production of Recombinant Human Growth Hormone.**
- **Member in an STDF project ID 31257– Center of excellence in bioinformatics guided development and characterization research in recombinant pharmaceutical proteins.**
- **Co-PI in Internal project (TBRI) 28 K/C1 (2018-running) – on Recombinant Production of two synthetic peptides using prokaryotic expression system.**
- **Co-PI in Internal Project (TBRI) – (2019- running) Evaluation of PD-L1 (22C3) And Microsatellite Instability (MSI) In Gastric Adenocarcinoma in the View of the New WHO Molecular.**