



Name: Gamal El-din Ahmad Amin El-Sawaf

Biography

Gamal El Sawaf born in Port Said, Egypt; 12 April 1955. He is an emeritus Professor of Microbiology and Immunology Medical Research Institute- Alexandria University - Egypt,. He is a nationally recognized leader in infectious diseases. Dr. Sawaf graduated from the faculty of Medicine– Alexandria University in 1979. He got his Ph D in 1993 and his post doctor training course in the laboratory of infectious diseases-University of Rome –Tor Vergata. He was rising through the academic ranks to Associate Professor in 1998 and to Professor in 2003. He was appointed the head of Microbiology Department in 2008 and the Director of the Medical Technology Center in 2010 and finally, the Dean of MRI in 2011 till the end of 2014. His main fields of research activities are in the clinical aspects pathogenesis and therapy of HCV, HIV and HHV-8 infection. Epidemiology and molecular characterization of Emerging Infectious Diseases In Egypt and Arabic Peninsula. He has acted as a referee for a variety of national and international scientific journals and acted as a referee of research projects of the Alexandria University and of the STDF projects. He is a member of the American Society of Microbiology, The Egyptian Society of Microbiology and Egyptian Society of Immunologists. He is a project Leader of several research programmes on HCV, HHV and TB . His complete list of publication are available upon request.

CURRICULUM VITAE

Name: Gamal El-din Ahmad Amin El-sawaf

Employment

Professor Emeritus of Microbiology

Medical Research Institute,
Alexandria University, Egypt.
April 2015 till now

Professor of Microbiology

Medical Research Institute,
Alexandria University, Egypt.
November 2014 – April 2015

Dean of Medical Research Institute, Alexandria University

October 2011 – October 2014

Executive Director of Medical Technology Center

August 2010 – October 2011

Head of Microbiology Department

Medical Research Institute
Alexandria University, Egypt.
August 2008 - Present

Professor of Microbiology

Medical Research Institute
Alexandria University, Egypt.
January 2004 - August 2008

Ass. Professor of Microbiology

Medical Research Institute
Alexandria University, Egypt.
October 1998 - January 2004

Lecturer of Microbiology

Medical Research Institute
Alexandria University, Egypt.
July 1993 – October 1998

Ass. Lecturer of Microbiology

Medical Research Institute
Alexandria University, Egypt.
May 1998 – July 1993

Demonstrator of Microbiology

Medical Research Institute
Alexandria University, Egypt.
November 1982 - May 1998

General Practitioner

Ministry of Health
Alexandria – Egypt
March 1981- November 1982

House Officer

Alexandria University Hospitals
Alexandria – Egypt
March 1980 – March 1981

Education:

November 1979:
M.B.B.cH (very good with honor
degree)

Faculty of Medicine-
Alexandria University.

1983-1984:
Preparatory studies in Medical
Science

(For preparation of Medical
Researcher)

Medical Research Institute

January 1988:
M.M.Sc – Very Good
Faculty of Medicine
Alexandria University.

July 1993:
Ph.D Immunology
Medical Research Institute
Alexandria University.

List of some main International Publications:

Association of Chlamydia pneumoniae Infection in the Pathophysiology of Airway Remodeling in Bronchial Asthma

Ibrahim M. El Akkary¹, Mervat E. El Seweify¹, Gamal El Din A. El Sawaf², Gihan A. El Batouti³, Eman Y. Khairy¹, Ola A. Salama¹

Clinical Medicine and Diagnostics 2017; 7(2): 40-47

Molecular Diagnosis of Human Metapneumovirus Infection among Egyptian Infants with Acute Bronchiolitis

El-Sawaf Gamal1, Eissa2 Maged, Ghazal Abeer 1, Metwally Dalia 1, Abozahra3 Rania * and Rafla Walid

Int.J.Curr.Microbiol.App.Sci (2017) 6(3): 2430-2437

Expression of AcrAB Efflux Pump and Role of Mefloquine as Efflux Pump Inhibitor in MDR E.coli

Ghada F. Helaly1, Sherine Shawky1,*, Rania Amer2, OlaAbdel- kader1, Gamal El-Sawaf1, Mohammed A. El Kholy3 1

American Journal of Infectious Diseases and Microbiology, 2016, Vol. 4, No. 1, 6-13

Co-circulation of Dengue and Chikungunya Viruses, Al Hudaydah, Yemen, 2012.

Rezza G, **El-Sawaf G**, Faggioni G, Vescio F, Al Ameri R, De Santis R, Helaly G, Pomponi A, Metwally D, Fantini M, Qadi H, Ciccozzi M, Lista F.

Emerg Infect Dis. 2014 Aug;20(8):1351-4. doi: 10.3201/eid2008.131615.

Estimation of average bioburden values on flexible gastrointestinal endoscopes after clinical use and cleaning: Assessment of the efficiency of cleaning processes

Available online 21 June 2014

Medhat Mohammed Anwar Hamed, Mohammed Mohammed Shamseya, Ibrahim Dafa Alah Naeem Dafa Alah and **Gamal El Deen El Sawaf**

DOI: 10.1016/j.ajme.2014.05.002, Open Access funded by Alexandria University Faculty of

Medicine, Under a Creative Commons [license](#)

Phylogeny of Dengue and Chikungunya viruses in Al Hudayda governorate, Yemen.

Infect Genet Evol 2014 Oct 23;27:395-401. Epub 2014 Aug 23.

Massimo Ciccozzi, Alessandra Lo Presti, Eleonora Cella, Marta Giovanetti, Alessia Lai, **Gamal El-Sawaf**, Giovanni Faggioni, Fenicia Vescio, Ranya Al Ameri, Riccardo De Santis, Ghada Helaly, Alice Pomponi, Dalia Metwally, Massimo Fantini, Hussein Qadi, Gianguglielmo Zehender, Florigio Lista, Giovanni Rezza

Chlamydomphila pneumoniae, Mycoplasma pneumoniae, and influenza in children with respiratory infections in Alexandria, Egypt.

Grassi T, Mancini F, Ciervo A, Vescio MF, Ghazal A, Ashour H, Saleh E, El Zalabani M, Donatelli I, **El Sawaf G**, Rezza G.

J Infect Dev Ctries. 2014 Mar 13;8(3):379-83. doi: 10.3855/jidc.4458.

The Journal of Infection in Developing Countries 01/2014; 8(3):379-83. - 1.00 Impact Factor

Detection and correlates of Chlamydomphila pneumoniae among children with acute respiratory infections

Alessandra Ciervo, Fabiola Mancini, Simona Puzelli, Maria Interisano, Maria Fenicia Vescio, Francesca Farchi, Abeer Ghazal, Housam Ashour, Ezzeldin Saleh, Massimo Andreoni, Mahmoud El Zalabani, Isabella Donatelli, Giovanni Rezza, **Gamal El Sawaf**

Journal of Pediatric Infectious Diseases 01/2010; Volume 5((3)):6.

Arboviral infections in Egyptian and Sardinian children and adults with aseptic meningitis and meningo-encephalitis.

Venturi G, **El-Sawaf G**, Arpino C, Madeddu G, Fiorentini C, Benedetti E, Marchi A, Helaly G, El Ghazouly K, Ghazal A, Farchi F, Soddu A, Cacciatore D, El Zalabani M, Mura MS, Rezza G, Ciufolini MG.

Scand J Infect Dis. 2009;41(11-12):898-9. - 1.71 Impact Factor

A computational approach identifies two regions of Hepatitis C Virus E1 protein as interacting domains involved in viral fusion process.

Bruni R, Costantino A, Tritarelli E, Marcantonio C, Ciccozzi M, Rapicetta M, **El Sawaf G**, Giuliani A, Ciccaglione AR.

BMC Struct Biol. 2009 Jul 29;9:48. doi: 10.1186/1472-6807-9-48.

BMC Structural Biology 08/2009; 9:48. - **2.10 Impact Factor**

Schistosoma mansoni from a hepatitis C virus (HCV) endemic region in Egypt test negative for HCV

Wael M. Loffy, Abeer Ghazal, **Gamal El-Sawaf**

The Egyptian Journal of Schistosomiasis and Infectious and Endemic Diseases. 01/2009; 31:79-84.

Identification of clinical criteria for group A-beta hemolytic streptococcal pharyngitis in children living in a rheumatic fever endemic area.

Bassili A, Barakat S, **El-Sawaf G**, Zaher S, Zaki A, Din Saleh EE. **J Trop Pediatr.** 2002 Oct;**48(5):285-93.** - **1.01 Impact Factor**

Synthesis of some 3- and 4-substituted 1,5-diphenylpyrrolidine-2,4-diones as potential antimicrobial and antineoplastic agents. Reactions with tetramic acid, Part 5.

Saudi MN, el Semaary MM, **El Sawaf G**. **Pharmazie.** 2002 Aug;**57(8):519-22.**

Primary human herpesvirus 8 infection in immunocompetent children.

Andreoni M, Sarmati L, Nicastrì E, **El Sawaf G**, El Zalabani M, Uccella I, Bugarini R, Parisi SG, Rezza G.

JAMA. 2002 Mar 13;**287(10):1295-300.** - **29.98 Impact Factor**

HAV and HEV infection in hospitalised hepatitis patients in Alexandria, Egypt.

Divizia M, Gabrieli R, Stefanoni ML, Renganathan E, El Ghazzawi E, Kader OA, Gamil F, **El Sawaf G**, El Sherbini E, Saleh E, Degener AM, Noce A, Zaratti L, Modesti A, Panà A.

Eur J Epidemiol. 1999 Aug;**15(7):603-9.** **5.12 Impact Factor**

Evidence of hepatitis E virus replication on cell cultures.

Divizia M, Gabrieli R, Degener AM, Renganathan E, Pillot J, Stefanoni ML, el Ghazzawi E, Kader OA, Gamil F, **El Sawaf G**, Saleh E, el Sherbini E, Panà A.

New Microbiol. 1999 Apr;**22(2):77-83.** - **1.67 Impact Factor**

High seroprevalence of antibodies to human herpesvirus-8 in Egyptian children: evidence of nonsexual transmission.

Andreoni M, **El-Sawaf G**, Rezza G, Ensoli B, Nicastrì E, Ventura L, Ercoli L, Sarmati L, Rocchi G.

J Natl Cancer Inst. 1999 Mar 3;**91(5):465-9.** - **14.34 Impact Factor**

Increase in neutralizing antibody titer against sequential autologous HIV-1 isolates after 16 weeks saquinavir (Invirase) treatment.

Sarmati L, Nicastrì E, **El-Sawaf G**, Ventura L, Salanitro A, Ercoli L, Vella S, Andreoni M.

Plasma viremia titration and RNA quantitation in ICD-p24 negative HIV type-1-infected patients.

Ercoli L, Sarmati L, **El-Sawaf G**, Cochi S, Lanti T, Iudicone P, Guglielmetti M, Giannini G, Galluzzo C, Tomino C, et al.

AIDS Res Hum Retroviruses. 1995 Oct;11(10):1203-7. · 2.71 Impact Factor

Seroprevalence of HIV and HCV infections in Alexandria, Egypt.

Quinti I, Renganathan E, El Ghazzawi E, Divizia M, **Sawaf G**, Awad S, Pana A, Rocchi G.

Zentralbl Bakteriol. 1995 Dec;283(2):239-44.

AIDS Research and Human Retroviruses

Plasma Viremia Titration and RNA Quantitation in ICD-p24 Negative HIV Type-1-Infected Patients

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Author information

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ABSTRACT

Quantitative culture of human immunodeficiency virus (HIV) was performed on 202 plasma samples obtained from asymptomatic and early symptomatic HIV-1 infected patients (mean CD4⁺ count: 186/mm³) before antiretroviral therapy was started. HIV could be isolated from 84% of the plasma samples (titers ranging from 10⁰ to 10^{2.75} TCID₅₀/ml). Immune complex dissociated p24 antigen (ICD-p24) was detected in 66% of the samples. Only 23 samples (11%) were negative for both ICD-p24 as well as HIV culture. Discordant results were obtained in 55 samples, and 45 samples negative for ICD-p24 were positive for HIV culture. A significant proportion (42%) of patients that were negative for ICD-p24 belonged to a very advanced group with very low CD4⁺ cell count. However, almost 90% of these ICD-p24 negative samples were positive for HIV plasma viremia, stressing the value of this virological marker in patients with low

CD4⁺ cell count and without any detectable ICD-p24 antigenemia. HIV-1 RNA was detected in all ICD-p24 negative plasma samples tested by the branched DNA (bDNA) assay. A very good correlation was found between high RNA copy number and HIV plasma

For more information about research activities, visit the following links

- <http://www.biomedexperts.com/>
- <https://www.researchgate.net>
- <http://www.pubfacts.com/author/Gamal+El%20Sawaf>
- www.scribd.com/doc/31375428/Systemic-Mycosis
- <https://www.healthresearchweb.org>
- <http://vcforum.org.pk/>
- <http://link.springer.com/>
- <http://www.join-med.eu/>
- <http://www.authorstream.com/Presentation/Abumohamed-784604-hepatitis-virus-hav/>

Teaching Experience

- Teaching medical microbiology and immunology for post graduate students
- Teaching microbiology and immunology for dental students (undergraduate and post graduate)

Scientific Reviewer

- **Peer reviewer for SCIENCE DOMAIN *International***
- **Reviewer for the Journal of Medical Virology.**
- **Reviewer for OMICS Group Journals**
- **Reviewer for the Journal of Medical Research Institute.**
- **Reviewer for the research projects of the Alexandria University and of the STDF projects**

Fields of Research Experience

- Clinical aspects and therapy of bacterial, viral and parasitic infections in immune-competent and immune-compromised hosts.
- Clinical aspects, pathogenesis and therapy of HIV infection, HIV drug resistance.
- Clinical aspects and epidemiology of HHV-8 infection, opportunistic infections in immune-compromised hosts.
- Antibiotic therapy of resistant microorganisms.
- Studies on the epidemiology of Hepatitis viruses In Egypt
- Molecular characterization of Hepatitis Virus & genes integrated in hepatocellular carcinomas.
- Molecular-epidemiological analysis of the infections with special interest on HCV genotypes in chronic patients
- Evaluation of HCV and HBV infection prevalence in blood donors.

Memberships

Member of American Society of Microbiology

Member of Egyptian Society of Microbiology

Member of Egyptian Society of Immunologists.

Training Courses

- Post doctor training course (Nov.1993- May1994) in the laboratory of infectious diseases(Cattedra Di Clinica Delle Malattie Infettive) University of Rome –Tor Vergata , in the field of HIV isolation, drug susceptibility , diagnosis and neutralization tests for HIV.
- -Short course in CLINICAL VIROLOGY: EPIDEMIOLOGY, DIAGNOSIS, MANAGEMENT with Special Emphasis on Herpes Viruses and HIV. (June 1995) under the frame work of The Italian-Egyptian Cooperation Project.
- Short training course (Nov.and Dec. 1997) in the laboratory of infectious diseases(Cattedra Di Clinica Delle Malattie Infettive) University of Rome –Tor Vergata , in the field of Studying HHV-8 infection in human and the correlation between this infection and the emergence of Kaposi`s sarcoma. The Western- blot analysis of HHV-8 antigenic preparations for the study of specific antibody response to different viral proteins.
- Attending the technical course on (Cell cultures and Cell Immunology Techniques) which was held in the MRI under the frame work of The Italian-Egyptian Cooperation Project.(Jan.1998)
- Attending a workshop in the laboratory of clinical Infectious Disease of Tor Vergata University - Rome during the period from March 21 to April 2003 , sharing experience in PCR, genotypic analysis of HIV, immunofluorescence and tissue cultures.

