



**TANTA UNIVERSITY**  
**FACULTY OF SCIENCE**  
**IMMUNOLOGY & BIOTECHNOLOGY UNIT**  
**ZOOLOGY DEPARTMENT**

*Tanta, Egypt*  
*Tel. +20-40-3412712/+20-012-691369*  
*e-mail: sabry\_elnaggar@yahoo.com*



## BIOGRAPHICAL

- **Name:** Sabry Ali Abdallah EL-Naggar
- **Date of Birth:** March 8, 1972
- **Place of Birth:** Kom-hamada, Behira, Egypt
- **Citizenship:** Egypt
- **Marital Status:** Married
- **Tenure Affiliation** Associate Professor of Immunology and Biotechnology, Zoology Department- Faculty of Science-Tanta University-Tanta City, Egypt  
Phone (Work): +2040-3344352 Fax (Work): +2040-3404914  
Home: + 2040-3412712 Cell-phones: + 20126913697
- **Current Position:** Associate Professor, Faculty of Science, Aljouf University, KSA  
**Phone:** 0563977876  
E-mails: [sabry\\_elnaggar2014@yahoo.com](mailto:sabry_elnaggar2014@yahoo.com); [sabry\\_elnaggar@ju.edu.sa](mailto:sabry_elnaggar@ju.edu.sa)

## RESEARCH INTERESTS

- ❖ Augmenting cancer-based vaccination through different approaches that can generate strong effector and memory responses of immune cells.
- ❖ Enhance the anti-tumor efficacy against cancer through active vaccination with ex vivo dendritic cells pulsed with the target antigens in combination of agonists for the toll-like receptors (TLRs) expressed on dendritic cells
- ❖ Augmenting T cell activation, survival, and function by cytokines such as IL-12 and TLR agonists in vitro before to use them for adoptive T cell therapy.
- ❖ Understanding the mechanisms underlying the beneficial effects of preconditioning a host with cyclophosphamide to adoptive T cell therapy and active vaccination
- ❖ Using the preclinical mouse models, including OT-1 TCR transgenic mouse model.
- ❖ Using the viral and non-viral delivery approaches to deliver the CaSm siRNA gene after tumor priming (TP) with paclitaxel (PTX) in the pancreatic tumor mouse model.
- ❖ Screening the anti-cancer activity of some indigenous plants located in Kingdom of Saudi Arabia

## EDUCATION

- High School Diploma:** Nasser School, Kom-Hamada, Bohaira, Egypt. 1987-1991
- B.Sc., General Zoology:** Faculty of Science, Tanta University, Egypt. 1991-1995
- Post-graduate Diploma:** Faculty of Science, Physiology, 1995-1996
- Master degree in Animal Physiology:** Tanta University 11/2001
- Doctoral Fellowship:** Medical University of South Carolina (MUSC) 7/2004- 8/2006
- Post-doctoral fellow:** MUSC, SC, United States of America 2/2008-6/2009

### ACADEMIC POSITIONS

- Demonstrator: Faculty of Science, Tanta University, Egypt (10/1995/-11/2001)
- Assistant Lecturer: Faculty of Science, Tanta University, Egypt (11/2001/- 7/2006)
- Post Doctoral Fellow: Surgery Department, MUSC, USA (2/2008-6/2009)
- Lecturer : Faculty of Science, Tanta University, Egypt (5/2007-1/2013)
- Assistant Professor, Faculty of Science, , Egypt (2/2013- present )
- Assistant Professor, Faculty of Science, Aljouf University, (1/9/2010- 10-12-2013)
- Associate Professor Faculty of Science, Aljouf University, KSA (11/12/2013- present)
- 

### MEMBERSHIP IN PROFESSIONAL SOCIETIES

- American Physiological Society (APS), USA 2004-2008
- □ American society of Gene Therapy (ASGT), USA 2007-2009
- International Society of Zoological Sciences, China 2008- Present
- American association of advanced science (AAAS), USA 2008- Present
- The Association of African Biomedical Scientists, USA 2007- Present
- Egyptian Association of Immunologists, Egypt 2009- Present
- Association of Egyptian-American Scholars, USA 2007-2008
- Egyptian Society of Experimental Biology, Egypt 2005-present

### Scientific Journal Editorial and Reviewer Board

- The World Essays Journal (WEJ): Editorial board member
- The Scientific Journal of Applied Research (SJAR): Editorial board member
- the Asian Journal of Education and e-Learning (AJEEL): Review board member
- Pharmacologia : Review board member (<http://pharmacologia.co.uk/eboard.php>)
- Archives in Cancer Research: Editorial board member
- Visi Jurnal Akademik : Editorial board member
- Journal of Biological Sciences: Technical editor
- Applied Science Reports : Editorial board member
- International academy of arts, science, and technology : Editorial board member
- Asian council of science editors: active member
- International Journal of Zoological Research : Technical editor
- 

### TEACHING EXPERIENCE

- □ Immunology: Undergraduate Students at Faculty of Science and Faculty of Education, Tanta University, Egypt (2007-2008)

- □Animal Physiology: Postgraduate Students at Faculty of Science, Tanta University, Egypt (2007-2008)
- Blood chemistry: Post-graduate students, Faculty of Science, Tanta University (2009-2010)
- General Zoology, Parasitology, Immunology and Invertebrate Sciences Al-Jouf University

### LABORATORY TEACHING EXPERIANCE

- □Animal Physiology: Undergraduate students, Faculty of Science, Faculty of Pharmacy, and Faculty of Dentistry and Faculty of Education, Tanta University, Egypt (1995~2004)
- Vertebrate Anatomy, Histology, Histochemistry, Comparative Anatomy and Embryology: Undergraduate students, Faculties of Sciences and Faculty of Education, Tanta University, Egypt (1995~2001)
- Undergraduate students, Faculty of Science, Faculty of Pharmacy, and Faculty of Dentistry and Faculty of Education, Tanta University, Egypt (1995~2001)
- Blood chemistry for post-graduate students, Faculty of Science, Tanta University (2009-2010).

### TECHNICAL AND LABORATORY EXPERIENCE

- Handling, breeding, screening of wild, transgenic, and performing a simple surgical operation for intra-splenic, liver injections and splenoectomy.
- Harvesting, preparation of single cell suspension of lymph nodes, spleens, livers, thymus, and lungs, peritoneal exudates cavity (PEC).
- Tail vein, intra-peritoneal, subcutaneous, intramuscular and oral injections.
- Real time PCR (RT-PCR) analysis.
- Detection of Anchorage dependant and independent proliferation
- Tranfection and infection of the tumor cells with targeted genes in vitro and in vivo
- Establishing stable and transient transfection with good experience in luciferase images analysis
- Propagation, expansion and extraction of the plasmids of the bacterial suspension for gene therapy uses
- Establishing liver metastasis model with intra-splenic injections for pancreatic cancer
- Electrophoresis, Cytotoxicity assay by LDH, and proliferation with MTT assay
- Detection and performing the Immuno-histochemistry staining such as TUNEL, BrdU and special antibody staining
- Enrichment of most of immune cells from lymphoid and non-lymphoid tissues.
- Eli-spot assay for cytokines measurements in vitro
- Flow cytometry technique and cell quest analysis.
- Cytometric bead array (CBA) for cytokine determination.
- Cell culture of normal and tumor cells in vitro.
- Dealing with most of cell-lines for cancer research.
- Generation of dendritic cells from bone marrow and spleens by GM-CSF/IL-4 for further manipulation either in vitro or in vivo use.
- Antigen presentation, phagocytosis assays and ELISA technique.
- infection of the tumors with Adeno-viral vectors
- good experience on how to work on the confocal microscopy

- good experience on how to use the gel electrophoresis technique
- Infection of mice with *Schistosoma mansoni* and *Schistosoma haematobium*.
- Harvesting and isolation the eggs from livers and intestines from *Schistosoma Sp*
- Perfusion and worm pickings techniques from infected mice with *Schistosoma Sp*
- Maintenance and rearing of intermediate hosts (Snails) of *Schistosoma Sp* under the laboratory conditions.
- Good user to Colorimeter, Spectrophotometer, Flame-photometer
- Performing all the biochemical and hematological testes in *vitro*.
- Extraction and application of the medicinal plants on the different cancer cell lines in vitro
- 

## AWARDS

1. Incentive (Encouraging) National Award in Biology; Academy of Scientific Research and Technology-Egypt, July 2012
2. Award of Excellence and Quality Publishing in Aljouf University for the academic year 2013
3. Award of Excellence and Quality Publishing in Aljouf University for the academic year 2014
4. Award of Excellence and Quality Publishing in Aljouf University for the academic year 2015

## LANGUAGE SKILLS

- Arabic: Native
- English: Very Good, reading, writing and speaking.
- 

## ATTENED CONFERENCES

- 2<sup>nd</sup> International Conference on Biological Sciences. Faculty of Science, Tanta University, Tanta, Egypt. 27-28/5/2002
- 3<sup>rd</sup> International Conference on Biological Sciences, Faculty of Science, Tanta University, Tanta, Egypt. 28-29/5/2004
- 4<sup>th</sup> Annual cancer research retreat. Charleston, SC, USA 19/11/2004
- 5<sup>th</sup> Annual cancer research retreat, Charleston, SC, USA 18/11/ 2005
- 4<sup>th</sup> International Conference of Biological Sciences, Faculty of Science, Tanta University, Tanta, Egypt. 1-2/11/ 2006
- 17<sup>th</sup> Bi-annual Conference of Association of Egyptian American scholars. National Research Center, Cairo, Egypt. 26-27/12/2006
- 3<sup>rd</sup> scientific conference of the Egyptian society of experimental biology. Menufia University, Egypt. June 27, 2007
- The 5th Annual Hematological Malignancies Symposium. Medical University of South Carolina, Charleston, SC, USA, Friday, February 6, 2009.
- The 6<sup>th</sup> International Conference on Biological Sciences (ICBS), Tanta University, Tanta, Egypt, November 10-11, 2010
- Nineteenth International Conference for the Egyptian German Society of Zoology., 30th April-1st May 2011 - Beni-Suef University 1 May, 2011

## TRAINING WORKSHOP

- Computer Science (1st level), Tanta University, Faculty of Commerce, October, 1996.
- The environmental factors that causes cancer diseases in Egypt. Faculty of Science, Tanta University, Tanta, Egypt. 12/10/2002
- Educational Program for Teaching. Graduate studies, Faculty of Education, Tanta University, Egypt. 28-19/1/2003
- Test of English as a Foreign Language (TOEFL), AMIDEAST center, El-Doki, Cairo, Egypt. 14/01/2004
- Graduate record examination (GRE), educational testing service (ETS), Charleston, South Carolina, United States of America. 05/08/2005
- Computer Science (2nd level), Tanta University, Faculty of Commerce, October, 2006.
- Internet Session, General Services Center for Technology and Computer Sciences, Tanta University, October 7 -12, 2006
- Professional Ethics Program, Faculty and Leadership Development Project (FLDP), Tanta University, October 1-3, 2006.
- Teaching technology, Faculty and Leadership Development Project (FLDP), Tanta University, October 17-19, 2006.
- Quality assurance and accreditation project (QAAP), under the theme of development of student evaluation as a basic requirement to getting the accreditation. Menuofia University, Menofia, Egypt. 30/10/2006
- Quality assurance and accreditation project (QAAP), under the theme of academic - standard for the national references. Mansoura University, Mansoura, Egypt. 28/2/2007
- Research Project Grants (RPG) retreat. Hollings Cancer Center, Medical University of South Carolina, Charleston, SC, USA. January 24, 2009.
- Isolation, proliferation and differentiation of human cord blood stem cells along hepatocyte lineage, Egy-Vac, Cairo, Egypt ٢٠٠٩/١٠/٤-٢

## RESEARCH SUPPORT

### **DANIDA PROJECT, 1/1/2002- 1/6/2006**

Drug discovery for HIV, HBV, and schistosomiasis, this project was between Tanta University and Royal Danish Ministry of Foreign Affairs. The aim of this project is to synthesis a new chemical compounds which may have a role as anti-hepatitis and anti-schistosomal activity.

Role: **Research Assistant**

### **PHASE VII AWARD, 1/7/2004-22/8/2006**

Preclinical assessment of the novel peptide-based cancer vaccine F2 gel/CEA/IL-12 The major goal of this project is to develop novel cancer therapeutics vaccine to colon carcinoma utilizing a novel IL-12 delivery system designated F2 gel matrix. Role: **Research Assistant**

### **HCC Seed Grants, Department of Defense, USA, 01/01/2005-22/8/2006**

Immature myeloid immuno-suppressor cells in breast cancer patients: Implications for anti-tumor vaccination. Role: **Research Assistant**

### **RO1 (PI: Cole, DJ),NIH/NC, 07/04/01–22/8/2006**

Altering post-vaccination T cell contraction. The major goal of this project is to define the cytokines (IL-2, IL-12, IL-7, type IFNs) and danger signal) that modulate programmed T cell contraction the in vivo response to peptide-based cancer vaccine. Role: **Research Assistant**  
**Marine Polymer Technologies Inc.** Danvers, Massachusetts, USA, **1/7/2004-7/2007**

Evaluation of F2 gel/IL-12-based vaccination on hepatic fibrosis and protection after *Schistosoma mansoni* infection. The major goal of this project is to develop F2 gel/IL-12 as a novel strategy for schistosoma vaccine Role: **Researcher**  
**RO1 grant (PI: Cole, DJ), NIH/NC, 02/05/08-06/2009**

Targeting the CaSm oncogene as a novel therapy for pancreatic cancer  
Role: **Post-doctoral fellow**

**Aljoug University grants , University of Aljoug- KSA 4/2014- 4-2015**

Evaluation of the anti-tumor efficacy of some medicinal plants widely grown in the North region of Saudi Arabia

Role: Principle Investigator

**Aljoug University grants , University of Aljoug- KSA 4/2014- 4-2015**

Project: Authored a book on: Standards of safety and security within the student and research labs

Role: Co- Principle Investigator

#### CONFERENCES: POSTERS AND ABSTRACTS

1. Mohamed L. Salem, Sabry A. EL-Naggar, Andre Kadima, David J. Cole, and William E. Gillanders. Novel non-viral delivery system enhances the efficacy of DNA vaccines targeting cytotoxic T lymphocytes. 4th Annual Research Retreat, November 11<sup>th</sup>, 2004, Charleston, SC, USA
2. Mohamed L. Salem, Andre Kadima, Sabry A. EL-Naggar, and William E. Gillanders, David J. Cole. Cyclophosphamide Preconditioning Enhances the Antigen-specific CD8 T Cell Responses to Peptide Vaccination: Evidence of Enhanced Innate Immunity and Induction of A Beneficial Cytokine Milieu. The American Association of Immunologists (AAI), April 2-6, 2005. San Diego, CA, USA.
3. Mohamed L. Salem, Andre Kadima, Sabry A. EL-Naggar, and William E. Gillanders, David J. Cole. Temporal inducootion of a beneficial inflammatory cytokine milieu relative to peptide vaccination is crucial for the optimal adjuvantcity of the TLR3 agonist polyinosinic-polycytidylic acid (Poly I:C). 96th Annual Meeting for American Association of Cancer Research (AACR). Anaheim, California, USA, April 16-21, 2005
4. Mohamed L. Salem, Sabry A. EL-Naggar, Andre Kadima, Marcela Diaz-Montero, William E. Gillanders, and David J. Cole. Vaccination using Toll-like receptor ligand (TLRL)-primed dendritic cells and TLR3L poly I:C administration leads to an augmentation of antigen-specific memory CD8+ T cell responses. 5th Annual Research Retreat. Citadel, Charleston, SC, USA. November 18th, 2005
5. Mohamed L. Salem, Andre Kadima, Sabry A. EL-Naggar, Marcela Diaz-Montero, William E. Gillanders, and David J. Cole. Cyclophosphamide preconditioning enhances the antigen-specific CD8+ T cell responses to peptide vaccination: evidence of enhanced innate immunity and induction of a beneficial cytokine milieu. 5th Annual Research Retreat. Citadel, Charleston, SC, USA. November 18th, 2005

6. Marcela Diaz-Montero, Andre Kadima, Sabry A. EL-Naggar, Narender Nath, David J. Cole, and Mohamed L. Salem. Sustained generation and survival of antigen-specific CD62Lhigh CD8+ T-cells though in vitro conditioning with interleukin-12: implications for anti-tumor adoptive immunotherapy. 97th Annual Meeting for American Association of Cancer Research (AACR). April 1-5, 2006. Washington, DC
7. Mohamed L. Salem, Sabry A. EL-Naggar, Andre Kadima, Marcela Diaz-Montero, William E. Gillanders, and David J. Cole. Vaccination using Toll-like receptor ligand (TLRL)-primed dendritic cells and TLR3L poly I:C administration leads to an augmentation of antigen-specific memory CD8+ T cell responses. 97th Annual Meeting for American Association of Cancer Research (AACR). April 1-5, 2006. Washington, DC.
8. Mohamed L. Salem, Sabry A. EL-Naggar, Andre Kadima, Marcela Diaz, and David J.Cole. Cyclophosphamide treatment leads to striking expansion of functional dendritic cells in vivo: Implications for therapeutic tumor-specific adoptive immunotherapy. 6th Annual Research Retreat. Citadel, Charleston, SC, USA. November 17th, 2006.
9. Mohamed L. Salem, Sabry EL-Naggar, Andre Kadima, Marcela Diaz, Narender Nath, Amir A. AL-Khami, and David Cole. Cyclophosphamide treatment leads to striking expansion of functional dendritic cells in vivo: Implications for cancer immunotherapy. 98th Annual Meeting for American Association of Cancer Research (AACR). Los Angeles, CA. April 14-18, 2007.
10. Mohamed L. Salem, Amir A. Al Khami, Hany Al-Wahsh, Wael Attia, Yousry Al-Bolkiny, Hala Hussain, Sabry A. EL-Naggar, Marina Demcheva, John Vournakis, and David J. Cole, and Ismail M. Al-Sharkawy: Paracrine delivery of low non-toxic levels of IL-12 from poly-N-acetyl glucosamine gel (F2 gel) matrix lowered the liver and lung fibrosis induced by Schistosoma mansoni eggs. The 13th International Congress of Immunology, Rio de Janeiro, Brazil, Aug 21-25, 2007
11. Basyoni M.A, Al-Sharkawi, I.M and El-Naggar, S.A. Comparative susceptibility of some wild rodents widely distributed in Egyptian habitats to Schistosoma mansoni infection. 3<sup>rd</sup> scientific conference of the Egyptian society of experimental biology. June 27th, 2007
12. Mohamed L. Salem, Sabry A. EL-Naggar, Andre Kadima, Marcela Diaz, Amir A. AL-Khami, Wiiliam E. Gillanders, Marina Demcheva, John N Vournakis, and David Cole. Poly-N-acetyl glucosamine gel (F2 gel) matrix is a novel non-viral delivery system that augments the efficacy of CD8+ T cells responses to vaccination with naked DNA plasmid encoding HIV-1 p37. Cancer Drug Discovery and Development: Bridging Academic and Industry Partnerships; Spring Symposium. Kiawah Island, SC, USA; Marc 23-24, 2007
13. Mohamed L. Salem, Sabry A. EL-Naggar, Andre Kadima, Marcela Diaz, Amir A. Al Khami, Wiiliam E. Gillanders, Marina Demcheva, John N Vournakis, and David Cole. Poly-N-acetyl glucosamine gel (F2 gel) matrix is a novel non-viral delivery system that augments the efficacy of CD8+ T cells responses to vaccination with naked DNA plasmid encoding HIV-1 p37. Cancer Drug Discovery and Development: Bridging Academic and Industry Partenthrships. Spring Symposium, Kiawah Island, Charleston, SC, USA, Mar 23-24, 2007.
14. Mohamed L. Salem, C. Marcela Diaz-Montero, Yian Chen, Sabry A. EL-Naggar, Andre N. Kadima, William E. Gillanders and David J. Cole: The TLR3 agonist poly (I:C) acted directly on mouse CD8 T cells and augmented their antigen-specific responses upon adoptive transfer into naïve recipient mice. 96th Annual Meeting of American Association of Immunologists (AAI), Miami Beach Convention Center, Miami, Florida, USA. May 18-22, 2007.
15. Mohamed L. Salem, Marcela Diaz-Montero, Amir A Alkhami, Sabry A EL-Naggar, and David J. Cole. Dendritic cells expand post cyclophosphamide therapy and mediate robust anti-tumor responses upon their stimulation with TLR3 agonist. 2008 Hollings Cancer Center

Spring Symposium: Focus on cancer Immunology and Immunotherapy. Hollings Cancer Center, Charleston, SC, USA, March 13-14, 2008

16. Mohamed L. Salem, Marcela Diaz, Amir A. Al khami, Sabry A. EL-Naggar, Yian Chen, and David J. Cole. Cyclophosphamide induces dynamic alterations in the host microenvironments resulting in Flt3L-dependent expansion of functional immature dendritic cells. The 98th Annual Meeting for American Association of Cancer Research (AACR), San Diego, California, USA, Apr 12-16, 2008.

17. Sabry A. El-Naggar, Amir A. El-Khamy, David J.Cole, and Mohamed L. Salem: Cyclophosphamide treatment induces bone marrow to yield high numbers of functional dendritic cells with superior activation in vitro in response to the stimulatory effects of toll-like receptor ligands. The 5<sup>th</sup> International Conference on Biological Sciences (ICBS), Tanta University, Tanta, Egypt, November 5-6, 2008.

18. Mohamed L. Salem, Marcela Diaz-Montero, Amir A Alkhami, Yian Chen, Sabry A EL-Naggar, and David J Cole. Dendritic cells expand post cyclophosphamide therapy and mediate robust antitumor responses upon their stimulation with TLR3 agonist. Annual Meeting of American Association of Cancer Research (AACR), San Diego, CA, USA, April 12-16, 2008.

19. Mohamed L. Salem, C. Marcela Daz-Montero<sup>1</sup>, Amir A. AL-Khami, Sabry EL-Naggar, and David J. Cole. Dendritic cells expand during the restoration phase post cyclophosphamide treatment and mediate robust anti-tumor responses upon their stimulation with TLR3 agonist. Cancer Immunology and Immunotherapy: Realizing the Promise. National Institutes of Health, Bethesda, MD, September 11-12, 2008.

20. Mohamed L. Salem, C. Marcela Diaz-Montero, Amir A. Al Khami, Sabry A. El Naggar, and David J. Cole. Dendritic cells expand post cyclophosphamide therapy and mediate robust anti-tumor responses upon their stimulation with TLR3 agonist. 2008 Hollings Cancer Center Spring Symposium, Focus on Cancer Immunology and Immunotherapy, Medical University of South Carolina, Charleston, South Carolina, USA, Mar 13-14 2008.

21. Mohamed L. Salem, Amir A. AL-Khami, Sabry A. EL-Naggar, C. Marcela Díaz-Montero, Yian Chen, and David J. Cole. Cyclophosphamide induces dynamic alterations in the host microenvironments resulting in a FLT3L-dependent expansion of dendritic cells. Frontiers in Basic Immunology; Sponsored by the Center of Excellence in Immunology, National Institutes of Health, Bethesda, MD, USA; October 1-2, 2009.

22. Sabry A. El-Naggar, and Abdel-shafy A. Fawzya. Effect of the treatment with Mirazid on chemotherapeutic agents; Cisplatin and 5-Flurouracil on Ehrlich ascetic carcinoma bearing mice. The 6<sup>th</sup> International Conference on Biological Sciences (ICBS), Tanta University, Tanta, Egypt, November 10-11, 2010.

23. Sabry A. El-Naggar, Afaf El-Atrash, Somia Zaki, and Mohamed Labib Salem. Treatment with Toll-like receptor agonists associates with alteration in some hematological and biochemical parameters Egyptian German Society of Zoology. Nineteenth International Conference, 30th April-1st May 2011 - Beni-Suef University 1 May, 2011 E

24. Mohamed L. Salem, Sabry A. EL-Naggar, and David J. Cole The toll-like receptor 3 agonist polyinosinic-cytidylic acid (poly(I:C)) targets natural killer cells with NK1.1+CD11b+CD11c+Ly6G-B220+ phenotype (MEACR- tanta University, 27-29/12/2011

25. Mohamed Labib Salem and Sabry EL-Naggar. Brief in vitro triggering of toll-like receptor signaling in fresh bone marrow cells induces acquisition of dendritic cell-like phenotype and effective antigen presentation capability (MEACR- tanta University, 27-29/12/2011)

26. Ahmed EL-Barbary, Sabry El-Naggar and Shaimaa Talat. Anti-tumor Activity of some 1, 3, 4-thiadiazoles and 1, 2, 4-triazine Derivatives against Ehelishs Ascites Carcinoma. (MEACR-tanta University, 27-29/12/2011)



27. Mohamed Labib Salem, Sabry Ali EL-Naggar and Abeer Hasan. Genetic Engineering of Poorly Immunogenic Cancer Cells with A Xenogenic Antigen Increases Their Responses to Chemotherapy and Formation of Anti-tumor Immunity (MEACR- tanta University, 27-29/12/2011).

28. Sabry A. El-Naggar, David J. Cole. Tumor priming with low dose of paclitaxel for pancreatic cancer gene therapy” . The 7th International Conference on Biological Sciences (ICBS), Tanta University, Tanta, Egypt, ٢٠٦ December 201٢

#### BIBLIOGRAPHY: peer-reviewed articles

1. Mohamed L. Salem, Sabry A. EL-Naggar, Andre Kadima, William E. Gillanders, and David J. Cole. (2006): The adjuvant effects of the toll-like receptor 3 ligand polyinosinic-cytidylic acid (poly I:C) on antigen-specific CD8 T cell responses are partially dependent on NK cells and macrophages with the induction of a beneficial cytokine milieu. *Vaccine*, 24: 5119-5132.
2. Mohamed L. Salem, Andre Kadima, Sabry A. EL-Naggar, and William E. Gillanders, David J. Cole. (2006): Novel non-viral delivery approaches for IL-12 protein and gene systems: curbing toxicity and enhancing adjuvant activity. *J. Interferon Cytokine Res.*, 9: 593-608.
3. Mohamed L. Salem, Andre N. Kadima, Sabry A. EL-Naggar, Mark P. Rubinstein, Yian Chen, William E. Gillanders, and David J. Cole. (2007): Defining the Ability of Cyclophosphamide Preconditioning to Enhance the Antigen-specific CD8 cell Response to Peptide Vaccination: Creation of Beneficial Host Microenvironment Involving Type I IFNs and Myeloid Cells. *J. Immunother.*, Volume 30, Number 1.
4. C. Marcela Díaz-Montero, Sabry A. El Naggar, Randa El Naggar, Amir Al Khami, Alberto J Montero., David J Cole., and Mohamed L Salem. (2007): Priming of naive cells in the presence of IL-12 selectively enhances the survival of CD8+CD62Lhi cells and results in superior anti-tumor activity. *Cancer Immunol Immunother.* Aug 28;
5. Salem ML, Diaz-Montero CM, El-Naggar SA, Chen Y, Moussa O, Cole DJ. The TLR3 agonist poly(I:C) targets CD8+ T cells and augments their antigen-specific responses upon their adoptive transfer into naïve recipient mice *Vaccine*. 2009 Jan 22; 27(4):549-57. Epub 2008 Nov 21
6. Mohamed L. Salem, C. Marcela Díaz-Montero, Amir A. AL-Khami, Sabry A. EL-Naggar, Osama Naga, Alberto J. Montero, Ahmed Khafagy, and David J. Cole Recovery From Cyclophosphamide-Induced Lymphopenia Results in Expansion of Immature Dendritic Cells Which Can Mediate Enhanced Prime-Boost Vaccination Antitumor Responses In Vivo When Stimulated with the TLR3 Agonist Poly(I:C). *J Immunol.* 2009 Feb 15;182(4):2030-40
7. Mohamed L. Salem, Amir A. AL-Khami, Sabry A. EL-Naggar, C. Marcela Díaz-Montero, Yian Chen, and David J. Cole: Cyclophosphamide induces dynamic alterations in the host microenvironments resulting in a FLT3L-dependent expansion of dendritic cells. *J. Immunol.* 2010 Feb 15;184(4):1737-47.
8. Mohamed L. Salem Sabry A. El-Naggar, David J. Cole. Cyclophosphamide induces bone marrow to generate high numbers dendritic cells with superior activation phenotype in vitro in response to the stimulatory effects of toll-like receptor ligands. *Cell Immunol.* 2010;261(2):134-43.
9. Mohamed Labib Salem, Faris Q. Al-Anzi<sup>3</sup>, Narendra Nath, Sabry A El-Naggar, Amir A. Al-Khami, Ali A. Al-Jabri, Jamal Arif, Iman M. El-Nashar, Iman El-Tounsi, and Richard N. Wyse. Plasticity of T cell differentiation: A double-edged sword for immune responses *Immunology, Endocrine & Metabolic Agents- Medicinal Chemistry*, Vol. 9, No. 2, June 2009, pp. 90-105(16)

10. Sabry A. El-Naggar. Lack of the Beneficial Effects of Mirazid (Commiphora molmol) When administered with Chemotherapeutic Agents on Ehrlich Ascetic Carcinoma Bearing Mice. *Advan. Biol. Res.*, 5 (4): 193-199, 2011
11. Sabry A. El-Naggar, Ahmad El-Barbary, Merveet Mansour, Fawzyia Abdelshafi, Shaima Talat. Anti-tumor activity of some 1,3,4-thiadiazoles and 1,2,4-triazine derivatives against Ehrlich's Ascites Carcinoma. *Int. J. of cancer res.*, 2011, (7); 278-288
12. El-Naggar S. A., Al-Sharkawi I.M. and Madkour G. A. Susceptibility of some wild rodents widely distributed in Egyptian foci to *Schistosoma mansoni* infection under laboratory conditions, *Int. J. Zool.Res.*2011. **Volume 7 (5): 358-368**).
13. El-Naggar, SA. 2012. Impact of a toll-like receptor 3 ligand polyinosinic-cytidylic acid poly(I:C) administration on natural killer cells in absence or presence of peptide vaccination . *Egypt. J. Exp. Biol. (Zool.)*, 8(1): 25 – 32
14. Mohamed L. Salem, Amir A. Al-Khami, Sabry A. El-Naggar, Abdel-Aziz A. Zidan ,Ismail M. Al-Sharkawi, C. Marcela Diaz-Montero , David J. Cole . Kinetics of rebounding of lymphoid and myeloid cells in mouse peripheral blood, spleen and bone marrow after treatment with cyclophosphamide *Cellular Immunology* 276 (2012) 67–74
15. Ismail Moustafa Al-Sharkawi, Sabry Ali El-Naggar, Kamal Abd elasalam El-Shaikh, Hany Mokhtar Al-Wahsh. (2014) Susceptibility of hedgehog, *Hemiechinus auritus* to *Schistosoma mansoni* under experimental infection. *Res. J. Parastitol.* 9 (1): 1-1
16. Sabry A. El-Naggar, Abeer A. Alm-Eldeen, Moussa, O. Germoush, Kamal F. El-Boray, Hassan A. El-Gebaly. Ameliorative effect of propolis against cyclophosphamide induced toxicity in mice. *Pharmaceutical biology.* 53, Issue 2, 2015
17. Sabry A. El-Naggar, Ibrahim B. Abdel-Farid, Hassan A. Elgebaly, Mousa O. Germoush. Metabolomic profiling, antioxidant capacity and in vitro anticancer activity of some compositae plants growing in Saudi Arabia. *African J of pharmacy and pharmacology.* Vol.9(30), pp. 764-774
18. Sabry A. El-Naggar, Ibrahim B. Abdel-Farid, Mousa O. Germoush, Hassan A. Elgebaly, Abeer A. Alm-Eldeen. Efficacy of *Rosmarinus officinalis* leaves extract against cyclophosphamide-induced hepatotoxicity. *Pharmaceutical biology.* Accepted, 2016
19. Abeer A Alm-Eldeen, Sabry A El-Naggar, Kamal F El-Boray, Hassan A. Elgebaly and Ismail H Osman. Protective Role of *Commiphora molmol* Extract against Liver and Kidney Toxicity Induced by Carbon Tetrachloride in Mice. *Tropical Journal of Pharmaceutical Research* January 2016; 15 (1): 65-72

#### **BIBLIOGRPAHY: Non-reviewed Articles**

1. Mohamed Labib Salem and Sabry Ali El-Naggar Bone Marrow Transplantation. *Al-Elm (Science) magazine*, Ministry of Scientific Research, Egypt. 387(2008): 42
2. Sabry Ali El-Naggar and Mohamed Labib Salem, Silencing gene actions: A discovery that worth Nobel prize. *Al-Elm (Science) magazine*, Ministry of Scientific Research, Egypt. 388(2009): 30
3. Mohamed Labib Salem and Sabry Ali El-Naggar Human Genome: The Discovery of the Times. *Al-Elm (Science) magazine*, Ministry of Scientific Research, Egypt. 391 (2009): 38
4. Sabry Ali El-Naggar and Mohamed Labib Salem, Dendritic Cells and Immunity. *Al-Elm (Science) magazine*, Ministry of Scientific Research, Egypt. 393 (2009): 48
5. Sabry Ali El-Naggar, Savvy and genius between the tumor cells and the immune system. *Al-Elm (Science) magazine*, Ministry of Scientific Research, Egypt. 417 (2011): 60

6. Sabry Ali El-Naggar, Moussa Germoush, Viagra between the benefits and harmful. Al-Elm (Science) magazine, Ministry of Scientific Research, Egypt. --(2011): --
7. Sabry Ali El-Naggar, Sleeping in animal kingdom. Al-Elm (Science) magazine, Ministry of Scientific Research, Egypt. --(2011): --
- 8- Sabry Ali El-Naggar, Human between laugh and crying. Al-Elm (Science) magazine, Ministry of Scientific Research, Egypt. November (2012): p 44-47
- 9- Sabry Ali El-Naggar, Fawzyia Salama Stem cell as a therapeutic revolution. Al-Elm (Science) magazine, Ministry of Scientific Research, Egypt. April (2014): p 4

## THESIS

- **MS:** Physiological and Field Studies on The Host-Parasite Relationship in The Life Cycle of *Schistosoma mansoni*. Tanta University, Faculty of Science, Egypt, 2001
- **PhD:** Optimizing Dendritic Cell-based Vaccination by Stimulation with Synthetic Microbial Toll-like receptor Ligands. Tanta University, Faculty of Science, Egypt and Medical University of South Carolina, S.C., United States of America May 2007.