**PERSONAL INFORMATION**

Name: Mohamed Attia Saad Attia

Position: Assistant Professor of clinical pathology (molecular haematology)

**Tenure Affiliation**: Faculty of Medicine, Tanta University, Egypt

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Mohamed.atya@med.tanta.edu.eg

**Prior Affiliation:** PhD Student

(2001-2005) Department of biomedical Science ( haematology )

St. George’s University of London, UK

Granmer Terrace, London

SW17 0RE

**EDUCATION**

* ***PhD (Molecular haematology)*** Department of biomedical Science ( haematology ), SGUL, London, UK 2005
* ***MSc (Clinical and chemical pathology):*** Faculty of Medicine, Tanta University, Egypt 1996
* **MB.,B.CH *(general medicine)***: Faculty of Medicine, Tanta University, Egypt November 1991 (final grade of **very good** in top 30 out of 500 students).

**ACADEMIC POSITIONS**

1. **Assistant Professor:** Department of clinical pathology , Faculty of Medicine, Tanta University, Egypt (2011 - Present)
2. **Lecturer:** Department of clinical pathology, Faculty of Medicine, Tanta University, Egypt (2006 - 2011)
3. **Assistant Lecturer :** Department of clinical pathology, Faculty of Medicine, Tanta University, Egypt (1996 - 2006)
4. **PhD Researcher :** Department of biomedical Science (haematology), SGUL, London, UK (2001-2005)

**CURRENT ADMINISTRATION POSITIONS**

* **Director of flow cytometry unit , clinical pathology department, Tanta university (July 2013)**

**RESEARCH INTERESTS**

* Effect of inflammatory cytokines on haemopoietic stem cells using DNA expression microarray and flow cytometry.
* Therapeutic applications of stem cells
* Understanding the behavior of circulating tumor cells
* MRD in acute leukaemia

**GRANTS**

1. ***Establishing Center of Excellence of Cancer Research (CECR) at Tanta University (Project ID#: 5245)***

**Source:** Science and Technology Development Fund (STDF), Egypt

**Period:** 1/04/2013- 31/03/2016

**Fund:** 9,650,000 L.E. (about $1.800,000)

**Role:** Co-Investigator

1. ***Dysfunctional myeloid cells as a predictor of failure of chronic HCV patients to interferon therapy (Project ID#*** 1469***)***

**Source:** Science and Technology Development Fund (STDF), Egypt

**Period:** 31/08/2010- 30/10/2013.

**Fund:** 1,736,160 L.E. (about $300,000)

**Role:** Co-investigator

1. ***Devolopment and accreditation of flow cytometry lab.***

**Source:** Higher Education Institutes Labs Accreditation Project (TAN-19)

**Period:** 7/1/2013- 12/31/2014

**Fund:** 602,000 LE

**Role**: ***Principle Investigator* .**

1. ***Devolopment and accreditation of molecular biology and cytogenetic lab.***

**Source:** Higher Education Institutes Labs Accreditation Project (TAN-16)

**Period:** 6/1/2012- 12/31/2013

**Fund:** 1100000 LE

**Role**: ***Quality manger* .**

**Activities & Skills:**

1. ***Basic haematological, clinical chemistry, microbiology, parasitology, immunology and research laboratory techniques.***
2. ***Advanced laboratory techniques:***

**Molecular biology**: DNA and RNA extraction, PCR (including designing primers), RT-PCR, real time PCR (SYBER Green and TaqMan) use of the radioactive isotopes for DNA labelling, antisense RNA amplification and in vitro transcription, Fluorescent labelling of DNA and RNA probes for microarray, Microarray hybridisation and Analysis of microarray data using the ImaGene 4.1, & 5.1 and GeneSpring 5.1 & 6.1 informatics software packages, western blotting.

**Cellular techniques:** Cell separation using density gradient technique and **immunomagnetic beads**, cell and tissue culture, LTCIC and colony assays.

**Immunological techniques:** Serology and ELISA

**Immunophenotyping :** Flow cytometry (single, dual and triple staining) and immunolfuorescent antibody labelling of cells in conjunction with DNA labelling for apoptosis analysis, in addition to staining of intracellular antigens.

Cytochemical and Immunochemical staining (APAAP technique).

1. ***Computer skills:*** extensive experience and advanced user of Microsoft Windows, Microsoft Office, Microsoft power point, Reference Manager, internet and different internet search engines, e.g., Google search e-mail, creating CDs and good experience in using Microsoft Excell.
2. ***Bionformatics skills:*** Literature searching using Medline and PubMed and Blast search for gene sequence. Designing of PCR primers
3. ***Teaching skills:***

\* I have been involved in teaching and demonstration of laboratory techniques and skills to undergraduate students and research students at St George’s Hospital Medical School, London, UK.

\* I also developed my presentation skills by regular discussion of results presented to the haematology department at George’s Hospital Medical School, London, UK and presenting my work in the local and national meetings.

\* I am responsible for teaching theoretical background, clinical, scientific and laboratory skills (basic and advanced) of haematopathology, molecular biology, immuophenotyping for assistant lecturers, demonstrators, residents, post-graduate students, medical students and medical professions.

\* I have been involved in teaching and demonstration of DNA microarray technique and skills to postgraduate research students at Kasr El Any hospital, Cairo University, 2005 - 2006

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**Courses and Training:**

1. Clinical and Laboratory Aspects of Leukaemia and Lymphoma. The Royal Marsden NHS Trust 5th -7th November 2002, London-UK.

2. 16th Annual Course Advanced Haematopathology, Imperial College School of Medicine,

Hammersmith Hospital, Departments of Haematology and Histopathology, ( 28th April – 2nd May 2003).

3. Coagulation and Haemostasis Course, St George’s Hospital & University College London, 15th-19th September 2003.

4. Haematological Morphology Course, Imperial College School of Medicine & St Mary’s Hospital, Department of Haematology, 29th -30th September 2003, London-UK. (Prof. Barbra Bain).

5. A Course in Histopathology of the Bone Marrow, Imperial College School of Medicine & St

Mary’s Hospital, Department of Haematology, 1st October 2003, London-UK. (Prof. Barbra

Bain).

6. A course in Laboratory Aspects of Haemoglobinopathy Diagnosis, Imperial College School of

Medicine & St Mary’s Hospital, Department of Haematology, 2nd October 2003, London-UK.

(Prof. Barbra Bain).

7. The Comprehensive Course on Haemoglobinopathies, St Thomas’ Hospital, Department of

Haematology, 6th-10th October 2003, London-UK. (Dr. I E Okpala).

8. Parasiotology for haematologists Workshop, Liverpool School of Tropical Medicine, 6th May

2004. (Dr. I. Bates)

9. Clinical applications of Flow Cytometry Immunophenotyping of Leukaemia and Lymphoma, St George’s Hospital, Department of Haematology, Division of Cell Markers, 1-15 August 2004.

London-UK. (Dr. Jenny Tooze)

10. Blood Transfusion Course, South Thames Blood Transfusion Centre, 6th September -1st October 2004, London-UK.

11. Hand on Training in the use of HPLC (Biorad variant II) in Haemoglobinopathy screening, St George’s Hospital, Department of Haematology, Division of Haemoglobinopathy, 18th October to 2nd November 2004. London-UK. (Dr. David Elmer)

12. Attended the weekly haematology morphology sessions in the Department of Haematology, St George’s Hospital, London-UK, 2001-2004

13. Computing: many individual computer courses, including Microsoft Office, Microsoft Power

Point, Microsoft Excel, Dept of information Technology, St George’s Hospital Medical School,

London-UK.

14. Statistics Course. St George’s Hospital Medical School, October 2003.

15. Attended the clinical word rounds in the Department of Haematology, St George’s Hospital,

London-UK.

16. Teaching Skills for Teachers in Medicine, St George’s Hospital Medical School, including

Teaching Clinical Skills and Problem Based learning, 4-8 March 2002, London-UK

**GRADUATE THESIS EVALUATION COMMITTEE**

**MASTER:** 4 Theses

**GRADUATE THESIS SUPERVISION DUTIES**

**MASTER:** 30 Theses

MD : 3 Theses

**National/International COMMITTEES**

*\* Member of the management board of central laboratory, faculty of medicine*

* Member of Egyptian society of haematology
* Member of European Haematology Association

**Research and Publications:**

* ***M.Sc thesis Title****: Soluble Thrombomodulin in diabetic patients with micro*angiopathy
* ***Ph.D. thesis Title***: Microarray Methods To Study Effects Of Inflammatory Cytokines On The CD34 Positive Population Utilised In Haemopoietic Stem Cell Transplantation

***Full papers***

***National publications***

Manal El-Batch1, Mai A Eissa2 , Gihan Farouk, **Mohamed Attia** (2008) N-Terminal pro-Brain Natriuretic Peptide, Homocysteine and Methylenetetrahydrofolate reductase gene polymorphism in elderly depressed and mild cognitive impairment patients. Bulletin of Egyptian Society for physiological Sciences 28 (2) 2008, 61-79

Nabeh El-Fadali\*, Manal Eid\*, **Mohamed Atia\*,** Amina El-Shakankeri\*\*, Loai ElAhwal\*\*\*, Laila Mahmoud\*\*\* and Atef Taha\*\*\* (2008) Gene expression profiles identify B-cell CLL prognostic subgroups defined by Zap-70 and CD38. Tanta Medical Journal Volume (36) October 2008,979-987

**Mohamed Attia Attia**· Salwa A. Essa · Nahla A. Nosair · Ahmed M. Amin · Osama A. El-Agamy (2009) Effect of iron defi ciency anemia and its treatment on cell mediated immunity. Indian J Hematol Blood Transfus 25(2):70–77 (2009)

Salwa A Essa, Nahla A Nosair, **Mohamed A Attia**, Wesam S Mohamed, Atef M Taha, and Khalid MZ Darwish (2010) Clinical Significance Of Mcl-1 Expression In B-cell Chronic Lymphocytic Leukemia. Egyptian Journal of haematology, Volume (35), Number (1), January 2010, 27-34

**International publications**

[**Attia MA**](http://www.ncbi.nlm.nih.gov/pubmed?term=Attia%20MA%5BAuthor%5D&cauthor=true&cauthor_uid=12877679)**,** [Welsh JP](http://www.ncbi.nlm.nih.gov/pubmed?term=Welsh%20JP%5BAuthor%5D&cauthor=true&cauthor_uid=12877679), [Laing K](http://www.ncbi.nlm.nih.gov/pubmed?term=Laing%20K%5BAuthor%5D&cauthor=true&cauthor_uid=12877679), [Butcher PD](http://www.ncbi.nlm.nih.gov/pubmed?term=Butcher%20PD%5BAuthor%5D&cauthor=true&cauthor_uid=12877679), [Gibson FM](http://www.ncbi.nlm.nih.gov/pubmed?term=Gibson%20FM%5BAuthor%5D&cauthor=true&cauthor_uid=12877679), Rutherford TR**.** Fidelity and reproducibility of antisense RNA amplification for the study of gene expression in human CD34+ haemopoietic stem and progenitor cells. [Br J Haematol.](http://www.ncbi.nlm.nih.gov/) 2003 Aug;122(3):498-505.

Biltagi MA, Baset AA, Bassiouny M, Kasrawi MA, **Attia M**. Omega-3 fatty acids, vitamin C and Zn supplementation in asthmatic children: a randomized self-controlled study. Acta Paediatr. 2009 Apr;98(4):737-42.

Mohamed A. Attia, Sahar M. Hazzaa, Salwa A. Essa, Mahmoud F. Seleim. Prognostic value of soluble angiopoietin-2 and soluble Tie-2 in Egyptian patients with acute myeloid leukemia. *Turk J Hematol 2010; 27: 282-8*

M.A. Eid, **M. Attia**, S. Abdou, S El-Shazly, L.Elahwal, WFarrag, L Mahoud (2010): BAALC and ERG expression in acute myeloid leukemia with normal karyotype: impact on prognosis. [International Journal of Laboratory Hematology](http://www3.interscience.wiley.com/journal/117983061/home), 32(2):197-205

El-Shafey EM, Alsahow AE, Alsaran K, Sabry AA, **Atia M**. Cinacalcet hydrochloride therapy for secondary hyperparathyroidism in hemodialysis patients. Ther Apher Dial. 2011 Dec;15(6):547-55.

Gamal F. El Naggar, Mahmoud F. Selim, **Mohamed A. Attia**,Wafaa Eltokhy. The role of endoscopic gastric biopsy in assessment of patients with unexplained iron deficiency anemia. Journal of American Science 2013;9(4)

***Conference abstracts***

\* Tim Rutherford, **Mohamed Attia**, Fran Gibson, Ken Laing and Philip Butcher (2002) Accuracy of aRNA amplification for microarray analysis of haemopoietic specific gene expression. Brit J Haematol 117 S1: 50.

\**Theodora Foukaneli, Timothy Rutherford, Mohammed Attia, Claire E. Dearden, Kay W. Colston (Intr. by Edward C Gordon-Smith).* **Interaction of Vitamin D Analogue CB 1093 with Bisphosphonates on Human Multiple Myeloma Cell Lines: Induction of Apoptosis and Changes in Gene Expression Detected Using Microarrays. ASH 2002, December 6-10, 2002 [abstract No: 3196]**

\* **Mohamed A. Attia*,*** Jonathan P. Welsh, Ken L. Laing, Philip W. Butcher, Frances M. Gibson, Tim R. Rutherford (Intr. by Edward C Gordon-Smith). Fidelity and Consistency of Antisense RNA (aRNA) Amplification for the Study of Gene Expression in CD34+ Hematopoietic Stem and Progenitor Cells Using Microarrays. ASH 2002, December 6-10, 2002 [abstract No: 4094]

**\*** **Mohamed A. Attia**, Jonathan P. Welsh, Ken L. Laing, Philip W. Butcher, Frances M.Gibson, Tim R. Rutherford (Intr. by Edward C Gordon-Smith).Transcripitional Response of CD34+ haemopoietic cells to inhibitory cytokines TNF-α and IFN-γ: 8th Congress of the European Hematology Association, Lyons, France 14th June 2003

\* **Mohamed A. Attia**, Jonathan P. Welsh, Ken L. Laing, Frances M.Gibson, Tim R. Rutherford (2004). TNF-alpha causes an autocrine IFN-gamma response in CD34+ cells. The hematology journal volume 5 supp 2:S193.

**Meetings and Conferences Attended:**

1. Leukaemia Research Fund Grantholders Day, Molecular haemopoiesis, 29th September 2001. London -Uk
2. 42nd Annual Society for Haematology meeting, British Society for Haematology, The Brighton Centre, 15-18 April 2002, Brighton-UK.
3. 7th Annual Scientific Conference, Tanta University, Faculty of Medicine, Department of Clinical Pathology, 25 April 2002, Tanta-Egypt, **Invited by the Committee to give an oral presentation, entitled “**Accuracy of aRNA amplification for DNA microarray analysis of gene expression”
4. Leukaemia Research Fund Grant holders Day, Molecular Biology of Leukaemia and Lymphoma 20th November 2002, London-Uk
5. Flow Cytometry Immunophenotyping of Leukaemia and Lymphoma, Royal Marsden Hospital, 17th February 2003, London-UK.
6. In addition to the local annual meetings of the Department of Cellular and Molecular Sciences and Cancer Theme group at St George’s Hospital Medical School
7. Flow Cytometry Immunophenotyping of Leukaemia and Lymphoma, Royal Marsden Hospital, 17th February 2004, London-UK.
8. 9th annual meeting for European School of Haematology, 13th -17th June 2004 Geneva, Swiss, Presented a poster entitled “**TNF-α cause an autocrine IFN-γ response in CD34+ cells”**
9. 10th Annual Scientific Conference, Tanta University, Faculty of Medicine, Department of Clinical Pathology, May 2005, Tanta-Egypt, **Invited by the Committee to give an oral presentation, entitled “***Functional Genomics Identified Novel Molecular Players In The Pathogenesis Of Acquired Aplastic Anaemia*”
10. 11th Annual Scientific Conference, Tanta University, Faculty of Medicine, Department of Clinical Pathology, May 2006, Tanta-Egypt, **Invited by the Committee to give an oral presentation, entitled “***DNA Microarrays :Principles & Applications’’*
11. *The 28*th Annual Haematology congress organized by Egyptian Society of haematology (ESH) and Egyptian Association of transfusion medicine, 13-14 December 2006, *Cairo*
12. *The 54*th Scientific congress*of ESCC January 13-14, 2007, Marriot hotel, Cairo, Egypt*
13. The 12th Annual Scientific Conference, Tanta University, Faculty of Medicine, Department of Clinical Pathology, May 2007, Tanta-Egypt
14. The IXth Annual Scientific Conference Laboratory Imprints for Early Diagnosis, Mansoura University, Faculty of Medicine, Department of Clinical Pathology, May 2008, Mansoura-Egypt
15. The 2nd Annual International Stem Cell Conference In Egypt , Movenpick Algouna Hotel-Hurghada, 26-28 June 2008
16. *The 30*th Annual Haematology congress organized by Egyptian Society of haematology (ESH) and Egyptian Association of transfusion medicine, 21-22 January 2009, *Marriot hotel, Cairo, Egypt*
17. The Xth Annual Scientific Conference , Clinical pathology and Patient Care: A Cross Talk" Mansoura University, Faculty of Medicine, Department of Clinical Pathology, April 2009, Mansoura-Egypt
18. The 3rd Annual International Stem Cell Conference In Egypt , Nile Hilton Hotel, 19-21 November 200*9*
19. 17th annual meeting for European School of Haematology, 14th -17th June 2012 Amsterdam , Netherland
20. 53rd Annual Society for Haematology meeting, British Society for Haematology, Liverpool ACC Centre, 14-17 April 2013, Liverpool-UK.