

Curriculum Vitae

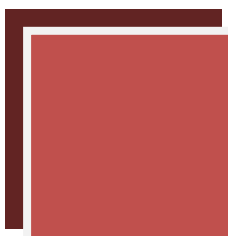
Name: Adeeb Mohammad Yousef Al-Zoubi

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Personal Data:

Name: Adeeb Mohammad Yousef Al-Zoubi

Date of Birth: 15-2-1968

Place of Birth: Irbid City, Jordan

National ID Number: 9681046107

Education:

Department of Medical Technology **1986-90**
Southwestern University, Cebu City, Philippines
Bachelor of Science Degree in Medical Technology (1990)

Chinese Language (Mandarin) Training Program **1992-93**
Normal Taiwan National University, Taipei, Taiwan R.O.C.

Master program in Biological Sciences **1993**
University of North Texas, Denton, Texas, USA

Department of Clinical Laboratory Sciences **1994-96**
Finch University of Health Sciences/The Chicago Medical School
North Chicago, Illinois, USA
Master of Science Degree in Clinical Laboratory Sciences (1997)
Thesis: Applications of Polymerase Chain Reaction in Beta Thalassemia Diagnosis

Department of Microbiology and Immunology **1997-2002**
The University of Illinois at Chicago, Chicago, Illinois, USA
Doctor of Philosophy Degree in Immunology (2002)
Thesis: Differential Effects of Splice Variants of Human IG20 on Tumor Necrosis Factor-Alpha-Induced Apoptosis

Experience:

- Assistant Professor in Molecular Immunology** **2007-Present**
Department of Biotechnology and Genetic Engineering
College of Science, Philadelphia University, Amman, Jordan
- Lecturer in Molecular Immunology** **2005-2007**
Department of Biotechnology and Genetic Engineering
College of Sciences and Arts, Jordan University of Science and Technology, Irbid, Jordan
- Consultant, Stem Cell Transplantation** **2005-2007**
Bone Marrow Transplantation Unit, Jordan University Hospital, Amman, Jordan
- Scientific Consultant, Magnetic Sorting of Cells and Biomolecules** **2004-2007**
Middle East and North Africa
Miltenyi Biotec, GmbH, Germany
- Technical Product Scientist** **2002-2005**
Miltenyi Biotec, Inc., Auburn, California, USA
- Instructor of Molecular Biology** **1997 - 2004**
Robert Morris College, Chicago, Illinois, USA
- Research and Teaching Assistant** **1997 - 2001**
College of Medicine, University of Illinois at Chicago, USA
- Laboratory Manager/ Research Specialist** **1996-97**
Cell and Molecular Biology, College of Medicine, University of Illinois at Chicago, USA
- Research Specialist** **1995-96**
Probe R & D, Diagnostic Division, Abbott Laboratories, Abbott Park, Illinois, USA
- Clinical Laboratory Trainee** **1994-97**
Finch University of Health Sciences/Chicago Medical School, North Chicago, IL, USA
- Teaching/ Research Assistant** **1993-94**
Department of Biological Sciences, University of North Texas, Denton, Texas, USA
- Regional Manager – Medical Sales Department** **1991-93**
Iman Business, Taipei, Taiwan, R.O.C.
- Teaching/ Research Assistant** **1991**
Department of Allied Health Sciences
Jordan University of Science & Technology (JUST), Irbid City, Jordan

Publications:

ABSTRACTS:

1. **Adeeb M. Al-Zoubi**, Elena V. Efimova, Shashi Kaithamana, Osvaldo Martinez, Bellur S. Prabhakar: Splice Isoforms of Human IG20: Genomic Organization, Tissue Distribution and Differential Effects on TNF α -Induced Apoptosis. Abstract 770.5; FASEB Annual Meeting of Experimental Biology (2002) 16 (5): p-A1083.
2. Elena V. Efimova, **Adeeb M. Al-Zoubi**, Shashi Kaithamana, Rukiye E. Dogan, Osvaldo Martinez, Bellur S. Prabhakar: Differential Effects of IG20 and Its Splice Isoform, DENN-SV, on Cell Proliferation and Apoptosis. Abstract770.6; FASEB Annual Meeting of Experimental Biology (2002) 16 (5): p-A1083.
3. Abdallah Al-Eweidi Al-Abbadi, **Adeeb Al-Zoubi**, and Mona Kilani. Stem cell manipulation: Jordan University Hospital experience. *Presented at The Second International Jordanian Congress of Allergy and Immunology, Amman, Jordan, May-June, 2007*
4. **Adeeb Al-Zoubi**, Mohammad El-Khateeb, Mona Kilani, Abdallah Al-Eweidi Al-Abbadi. Special Protocols in Stem Cell Purification. *Presented at The Second International Jordanian Congress of Allergy and Immunology, Amman, Jordan, May-June, 2007*
5. Bellur S. Prabhakar, Balaji Ganesh, and **Adeeb Al-Zoubi**. Cytokine modulation in allergy and asthma: Implications for novel therapy. *Presented at The Second International Jordanian Congress of Allergy and Immunology, Amman, Jordan, May-June, 2007*
6. Bellur S. Prabhakar, **Adeeb Al-Zoubi**, Eleena Efimova, Madhu Ramaswamy, Nirupama Mulhelkar and Prasad Kanteti. A novel human gene-IG20 regulates cancer cell survival, proliferation and death by encoding functionally unique proteins through alternative splicing. *Presented at The Second International Jordanian Congress of Allergy and Immunology, Amman, Jordan, May-June, 2007*
7. **Adeeb Al-Zoubi** and Bellur Prabhakar. Cell-Based Therapy. *Presented at The Second International Jordanian Congress of Allergy and Immunology, Amman, Jordan, May-June, 2007*
8. **Adeeb Al-Zoubi** and Mohammad Jamous. Treatment of Spinal Cord Injuries Using CD271+ Stem Cells. Presented at the 5th Pan Arab Spine Congress, Tunis, Tunisia, October, 2007.
9. **Adeeb M. Al-Zoubi**, Abdallah K. Al Asal, Bellur Prabhakar, Mohammed El-Khateeb. Molecular Control of Cancer Cell Apoptosis by Regulating Alternative Splicing of IG20 pre-mRNA. Proffered talk at the International Conference of The American Association for Cancer Research, 2008.
10. **Adeeb M. Al-Zoubi**, Rahaf M. Al-Zoubi, Mohammad S. El-Khateeb. MCF7 breast cancer cells inhibit TNF-A production by CD8+ T cells. Personalized Cancer Medicine/Therapies Conference of *The American Association for Cancer Research*. 2008.

PEER REVIEWED PUBLICATIONS:

1. **Al-Zoubi AM**, Efimova EV, Kaithamana S, Martinez O, El-Idrissi MA, Dogan RE, and Prabhakar BS. Contrasting effects of IG20 and its splice isoforms, MADD and DENN-SV, on tumor necrosis factor alpha-induced apoptosis and activation of caspase-8 and -3. *J Biol*

Chem (2001) Dec 14; 276(50): 47202-11.

2. **Al-Zoubi AM**, Efimova EV, Martinez O, Kaithamana S, Lu SF, Arima T, and Prabhakar BS. IG20, in Contrast to DENN-SV, (MADD Splice Variants) Suppresses Tumor Cell Proliferation, and Enhances their Susceptibility to Apoptosis and Cancer Drugs. *Oncogene* (2004) 23, 1076-1087.
3. Efimova EV, **Al-Zoubi AM**, and Prabhakar BS. Resistance of cells transfected with IG20-splice variant 3 to anti-tumor therapies. Submitted to *Carcinogenesis*.
4. **Adeeb Al-Zoubi** and Bellur Prabhakar. The IG20 (MADD, DENN) Gene. Review. *Manuscript in preparation*.
5. **Adeeb Al-Zoubi**. A Novel Method for The Analysis and Purification of Viable Antigen-Specific, Cytokine-Secreting Cells. **Invited review** for *Clinical and Applied Immunology Reviews*. *Manuscript in preparation*.
6. **Adeeb Al-Zoubi**, Abdullah Asal, Bellur Prabhakar, Mohammad El-Khatib. Molecular Control of Cell Death by Regulating Alternative Splicing IG20 mRNA Variants. *Manuscript in preparation*.
7. **Adeeb Al-Zoubi**, Rahaf Al-Zoubi, Mohammad El-Khatib. Immunotherapy of breast cancer using cancer-specific, tumor necrosis factor alpha-secreting NK cells. *Manuscript in preparation*.
8. Mohammad Jamous, **Adeeb Al-zoubi**, Rana Khaled, Mohammad El-Khatib, Abdullah Abbadi. Auto-transplantation of non-hematopoietic stem cells expressing CD271 (Low-affinity Nerve Growth Factor (LNGFR)) to promote neurogenesis and functional recovery following spinal cord injury in rats. *Manuscript in preparation*.

Conferences, Symposia, Seminars & Workshops:

I have given or attended more than **160** Conferences, Symposia, Seminars & Workshops from 2001-2008.

Discoveries and Patents

- **Discoveries:** Identification, cloning, and characterization of several mRNA splice variants of the novel 20 (IG20) gene both in human and mouse.
- Have the following 14 gene entries **under my name** in the GenBank database of the NIH (USA):
 1. **Human Sequences:** AF440100, AF440101, AF440102, AF440103, and AF440434. These sequences were used for the organization of chromosome 11 in the Human Genome Project.
 2. **Mouse Sequences:** AY263980, AY263981, AY263982, AY263983, AY263984, AY263985, AY263986, AY263987, AY263988, and AY263989.
- **U.S. Patent:**

Applied for “*The Unique anti-tumor properties of exon 16 of human IG20 gene*”.

Consultation and Training Activities:

- Health Care Leadership: The Chicago Medical School (FUHS/CMS), USA 1994
- Advancements in Clinical Laboratories: (FUHS/CMS) , USA 1994
- Biohazard Safety: Abbott Laboratories, Abbott Park, IL, USA 1995
- Statistics & Computer Applications in Science and Research: (FUHS/CMS) , USA 1995
- Project Management: College of Lake Forest/ Abbott Laboratories, USA 1995
- Presentation Skills: College of Lake Forest/ Abbott Laboratories, USA 1995
- Creative Thinking & Problem Solving: (FUHS/CMS), USA 1995
- Radiation Safety: University of Illinois at Chicago, USA 1997
- Time Management and Task Prioritization: University of Illinois at Chicago, USA 1997
- Blood- Borne Pathogens: University of Illinois at Chicago, USA 1998
- Magnetic Separation of cells and biomolecules: Miltenyi Biotec, Germany 2002
- Purification of Ag.-Specific Cytokine Secreting Cells: Miltenyi Biotec, Germany 2002
- Strategies for Effective Negotiation: The Karrass Institute, CA, USA 2003
- Molecular Applications of MACS® Technology: Miltenyi Biotec, Germany 2004
- PIQOR™ Microarray Technology: Miltenyi Biotec, Germany 2005
- Magnetic purification of Stem Cells: Miltenyi Biotec, Germany 2006
- Cardiac Applications of ClniMACS: Miltenyi Biotec, Germany 2006

CERTIFICATIONS

- Special Protocols in Flow Cytometry, Miltenyi Biotec, USA 2002
- Certified Trainer: CD34+ Stem Cell Purification, Miltenyi Biotec, Germany 2005
- Certified Trainer: CD133+ Cardiac Stem Cell, Miltenyi Biotec, Germany 2006
- Certified Trainer: CD8+ T Cell Depletion, Miltenyi Biotec, Germany 2006

Cultural, and Academic activities

- **Representative**, Graduate Student Counsel, University of Illinois at Chicago 1998-2001
- **Counselor**, International Student Office, University of Illinois at Chicago 1997-2002
- **Founding member**, Drug Rehabilitation Program, Robert Morris College 1999
- **Director**, Sexually Transmitted Diseases Program, Robert Morris College 2000
- **Member**, Curriculum advisory committee, Dept of Biotechnology, PU 2007

Awards, Merits and Scholarships:

- **AIDS Research Annual Award**, Southwestern University, Cebu City, Philippines 1989
- **Int'l Mandarin Training Award** (two awards), NTNU, Taipei, Taiwan, R.O.C. 1992
- **Excellence in Research Award**, Abbott Laboratories, Abbott Park, IL 1996
- **Graduate Fellowship Award**, University of Illinois at Chicago (UIC) 1997-2002
- **Graduate College Honor Award**, UIC, Chicago, IL, 1999-2001
- **The Shining Star Award-Cytokine Secretion** -Miltenyi Biotec, Inc., USA 2002
- **The Shining Star Award- Molecular Biology** -Miltenyi Biotec, Inc.. USA 2003
- **The Shining Star Award- Microarray research**-Miltenyi Biotec, Inc., USA 2004

Professionals Affiliations:

- American Association for Cancer Research
- International Stem Cell Association