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EDUCATION

- Post-Doctoral Hadassah Hebrew University Hospital** – Jerusalem & 2006-2008
Weill Medical Center of Cornell, New York, USA
Senior researcher in Cellular Biology & Hematology.
- PhD Hadassah Hebrew University Hospital** - Jerusalem 2001-2006
PhD in Hematology and Developmental Biology
Thesis: “Involvement of oxidative stress in normal and pathological blood cells: relationship to hemolysis, hypercoagulable states and recurrent infections.”
- MSc. Jordan University of Science and Technology** - Jordan 1997-2000
M.Sc. degree in Medical Health Technology and Clinical Microbiology
Thesis: Diagnostic Use of PCR for Detection of Pneumocystis Carinii and Mycobacterium tuberculosis in Cases of Pulmonary Infections.
- BSc. Amman University**-Jordan 1993-1997
BSc. degree in medical technology

WORK EXPERIENCE

- Hadassah University Hospital**, Ein Karem – Jerusalem 2008 to Present
Senior Research & Clinical Coordinator, Liver Unit
- Management of Lab and related Projects, including budget monitoring and reporting
 - Coordination of research of basic science and clinical studies; involving cellular biology, immunology and molecular biology.
 - Design of research strategies and work plans
 - Write, evaluate and interpret proposals and reports
 - Apply for grants, coordinate funds and monitor project budgets
 - Write and review scientific papers and articles
 - Organize lab meetings and clinical congress
 - Supervise both doctorate and master students

Al Quds University, Abu Dis – Jerusalem
External Examiner – Hematology Department

2006 to Present

- Supervise Master Student's for thesis preparation and presentation

PREVIOUS POSITION:

Al Quds University, Abu Dis – Jerusalem

2007 to 2010

Assistant Professor - Clinical laboratory sciences

- Contributed in the establishment of the first Master program at the University
- Contributed in the setup of course syllabus for the Master's Program
- Teach courses in Hematology, Blood Coagulation and Biology
- Advise / supervise students for graduation projects

PROFESSIONAL TRAINING

- ✓ Good Laboratory Practice course-Omrix- Tel Hashomer Hospital, Tel Aviv -**2015**
- ✓ Post Graduate Course in “Metabolic Liver Disease” - EASL, Vienna, Austria - **2015**
- ✓ Post-graduate course in "Clinical Implications of Inflammation and Immunity in Acute and Chronic Liver Disease: Advances in Diagnosis, Treatment and Clinical Practice " - AASLD, Boston, USA - **2014**
- ✓ Post-graduate course in "Chronic Viral Hepatitis", EASL, London, UK - **2014**
- ✓ Post-graduate course in "Liver Immunology", AASLD, Washington, USA. **2013**
- ✓ Post-graduate course in "Liver Alcohol Disease", AASLD, Boston, USA. **2012**
- ✓ Post-graduate course in "Cirrhosis", AASLD, San Francisco. USA. **2011**
- ✓ Post-graduate course in "Immunology and adaptive immune responses in HBV and HCV infections", EASL, Berlin, Germany. **2011**
- ✓ Course of "International GCP" (Good Clinical Practice) at Hadassah University Hospital. **2010**

- ✓ Course and workshop in "Bioinformatics and gene expression"- University of Copenhagen-Denmark. **2009**
- ✓ Course in "Management in Health and Medical Laboratories" - Tel-Aviv University. **2008-2009**
- ✓ Visiting Fellow at Weill Medical Center of Cornell, New York, USA. **2004-2005**

PROFESSIONAL AFFILIATIONS

Israeli Ministry of Health – License to work at medical laboratories (License # 24642)

Israeli Ministry of Health – License for blood withdrawal and first aid

Israeli Medical Association – Member

Israeli Ministry of Health – License and ethics to work with animal models

European Association Studies of Liver (EASL) – Member

American Association Studies of Liver Disease (AASLD) – Member

HONORS AND AWARDS

- ✓ **2015**- Best Abstract prize at the Israeli Association for liver study held in Eilat.
- ✓ **2014**- Top 10 presidential poster at the AASLD conference held in Boston-USA entitled: "Insulin resistance of CD56dim NK cells decrease NK killing ability in NASH patients with advanced fibrosis".
- ✓ **2012**-The honor award of the "Young Investigator Scientist" for recognizing scientific research of the best scored abstract presented at the Presidential Plenary oral session, American Association Studies of Liver Disease (AASLD), Boston, Massachusetts-USA.

Topic: "Vitamin D levels in Nonalcoholic Fatty Liver Disease associate with Insulin resistance and Liver progression via a Novel NLG4 dependent NK recognition".

- ✓ **2011**- Grant of the EASL Young Investigators (Barcelona, Berlin, Amsterdam, Nice, Vienna, Prague, London).

- ✓ **2009**- Grant of the Israeli Health Minister.
- ✓ **2009**- Grant of Israel Science Foundation (ISF).
- ✓ **2008**- Grant of the trilateral cooperation (Israeli-German-Palestinian).
 - Participated in the planning of the new vaccination for hepatitis B (Sci-B VAC) of newborns in a tri-lateral program between Germany, Palestine and Israel.
 - Coordinated the provision of the vaccine with the Palestinian Ministry of Health, East Jerusalem Hospitals (Augusta Victoria, Al Dajani Maternity Hospital).
- ✓ **2005**- Travel Grant Award – Hadassah-Hebrew University Hospital-Jerusalem
- ✓ **2003**-2004 Arab Israel Research Grant- Ministry of Science- Israel.

ORGANIZING CONFERENCES

1. 1st World Conference on Targeting Liver Diseases Sciences, Clinical Innovations & Biotechnology. June; 26-27, 2014 - Hadassah Medical Center -Jerusalem, Israel.
<http://www.targeting-liver.com/general-information/committee>
2. Jerusalem meeting for The Liver Diseases Day, 24th March 2010.

RESEARCH GRANTS

- 2010-2013** Chief Scientist Fund, “Immune modulation of Hepatic Fibrosis: New pathways for Lymphocytes and hepatic stellate cells interactions”, Approved on 5/1/2010, NIS 300000/year for 3 years.
- 2009-2013** Israel Scientific Foundation, “Immune modulation of Hepatic Fibrosis: New pathways for Lymphocytes and hepatic stellate cells interactions”, NIS 195000 a year for 4 years.
- 2009-2012** Deutsche Forschungsgemeinschaft German Research Foundation (DFG), a trilateral German/ Israeli/ Palestinian grant: “Improved Prevention of Perinatal hepatitis B transmission”, of total €1000000, my part is €283104 for 3 years.

2015-2016 Kamin- Ministry of Economy" The use of anti-neurologin-4 (NLG4) receptor antibody to ameliorate hepatic fibrosis through enhance killing potentials of NK cells" total of 1 million NIS.

PEER REVIEWED PUBLICATIONS

1. Muhanna N, **Amer J**, Salhab A, Sichel JY, Safadi R. **(Equal First & Corresponding author)**.

The Immune Interplay between Thyroid Papillary Carcinoma and Hepatic Fibrosis.

PLoS One. 2015 Jul 7;10(7)

2. **Amer J**, Grifat R, Doron S, Abu-Tair L, Mruwat R, El-Khatib A, Safadi R. **(First & Corresponding author)**.

The pro-fibrotic effects of pregnancy in a carbon-tetrachloride-induced liver injury in mouse model.

Liver Int. 2014 Nov 5. doi: 10.1111/liv.12371

3. Abu-Tair L, Axelrod JH, Doron S, Ovadya Y, Krizhanovsky V, Galun E, **Amer J**, Safadi R. **(Corresponding author)**.

Natural Killer Cell-Dependent Anti-Fibrotic Pathway in Liver Injury via Toll-Like Receptor-9.

PLoS One. 2013 Dec 10;8(12):e82571.

4. **Abu-Tair L, Doron S, Mahamid M, Amer J, Safadi R. (Corresponding author)**.

Leptin modulates lymphocytes' adherence to hepatic stellate cells is associated with oxidative status alterations.

Mitochondrion. 2012.

5. **Muhanna N, Doron S, Abu-Tair L, Zayyad H, Mahamid M, Amer J, Safadi R. (Corresponding author)**.

Early fibrosis inhibits hepatocellular carcinoma mediated by free radical effects.

6. Horani A, Shoseyov D, Ginsburg I, Mruwat R, Doron S, Amer J, Safadi R.
(Corresponding author).

Triphala (PADMA) extract alleviates bronchial hyperreactivity in a mouse model through liver and spleen immune modulation and increased anti-oxidative effects.

Ther Adv Respir Dis. 2012.

7. Avraham Y, **Amer J**, Doron S, Abu-Tair L, Mahamid M, Khatib A, Berry EM, Safadi R. (Equal First & Corresponding author).

The direct profibrotic and indirect immune antifibrotic balance of blocking the cannabinoid 2 receptor.

Am J Physiol Gastrointest Liver Physiol. 2012 Jun;302(12):G1364-72.

8. **Amer J**, Dana M, Fibach E. (First author).

The Antioxidant Effect of Erythropoietin on Thalassemic Blood Cells

Anemia. 2011 (vol.2010).

9. Horani A, Shoseyov D, Doron S, Mruwat R, Amer J, Kerem E, Safadi R.
(Corresponding author).

Immune modulation of ovalbumin-induced lung injury in mice using β -glucosylceramide and a potential role of the liver.

Immunobiology. 2010 Oct 20.

10. Muhanna N, Tair LA, Doron S, Amer J, Azzeh M, Mahamid M, Friedman S, Safadi R.

Amelioration of hepatic fibrosis by NK cell activation.

Gut. 2011 Jan 26

11. **Amer J, Frankenburg S, Fibach E. (First & Corresponing author).**

Apheresis induces oxidative stress in blood cells.

Ther Apher Dial. 2010 Apr;14(2):166-71.

12. **Fibach E, Tan ES, Jamuar S, Ng I, Amer J, Rachmilewitz EA.**

Amelioration of oxidative stress in red blood cells from patients with beta-thalassemia major and intermedia and E-beta-thalassemia following administration of a fermented papaya preparation.

Phytother Res. 2010 Sep;24(9):1334-8.

13. **Ginsburg I, Koren E, Horani A, Mahamid M, Doron S, Muhanna N, Amer J, Safadi R.**

Amelioration of hepatic fibrosis via Padma Hepaten is associated with altered natural killer T lymphocytes.

Clin Exp Immunol. 2009 Jul;157(1):155-64.

14. **Amer J, Freikman I, Ringel I, Fibach E. (First author)**

A flow cytometry approach for quantitative analysis of cellular phosphatidylserine distribution and shedding.

Anal Biochem. 2009 Oct 1;393(1):111-6.

15. **Amer J, Freikman I, Cohen JS, Ringel I, Fibach E. (First author)**

Oxidative stress causes membrane phospholipid rearrangement and shedding from RBC membranes--an NMR study.

Biochim Biophys Acta. 2008 Oct;1778(10):2388-94.

16. **Amer J, Goldfarb A, Rachmilewitz EA, Fibach E. (First author)**

Fermented papaya preparation as redox regulator in blood cells of beta-thalassemic mice and patients.

Phytother Res. 2008 Jun;22(6):820-8.

17. **Amer J, Zelig O, Fibach E. (First author)**

Oxidative status of red blood cells, neutrophils, and platelets in paroxysmal nocturnal hemoglobinuria.

Exp Hematol. 2008 Apr;36(4):369-77.

18. **Amer J, Atlas D, Fibach E. (First author)**

N-acetylcysteine amide (AD4) attenuates oxidative stress in beta-thalassemia blood cells.

Biochim Biophys Acta. 2008 Feb;1780(2):249-55.

19. **Amer J, Ghoti H, Winder A, Rachmilewitz E, Fibach E.**

Oxidative stress in red blood cells, platelets and polymorphonuclear leukocytes from patients with myelodysplastic syndrome.

Eur J Haematol. 2007 Dec;79(6):463-7.

20. **Amer J, Weiss L, Reich S, Shapira MY, Slavin S, Fibach E. (First author)**

The oxidative status of blood cells in a murine model of graft-versus-host disease.

Ann Hematol. 2007 Oct;86(10):753-8.

21. **Amer J, Etzion Z, Bookchin RM, Fibach E. (First author)**

Oxidative status of valinomycin-resistant normal, beta-thalassemia and sickle red blood cells.

Biochim Biophys Acta. 2006 May;1760(5):793-9.

22. **Amer J, Ghoti H, Rachmilewitz E, Koren A, Levin C, Fibach E. (First author)**

Red blood cells, platelets and polymorphonuclear neutrophils of patients with sickle cell disease exhibit oxidative stress that can be ameliorated by antioxidants.

Br J Haematol. 2006 Jan;132(1):108-13.

23. **Amer J, Fibach E. (First author)**

Chronic oxidative stress reduces the respiratory burst response of neutrophils from beta-thalassaemia patients.

Br J Haematol. 2005 May;129(3):435-41.

24. **Grinberg L, Fibach E, Amer J, Atlas D.**

N-acetylcysteine amide, a novel cell-permeating thiol, restores cellular glutathione and protects human red blood cells from oxidative stress.

Free Radic Biol Med. 2005 Jan 1;38(1):136-45.

25. **Amer J, Fibach E. (First author)**

Oxidative status of platelets in normal and thalassaemic blood.

Thromb Haemost. 2004 Nov;92(5):1052-9.

26. **Amer J, Goldfarb A, Fibach E. (First author)**

Flow cytometric analysis of the oxidative status of normal and thalassemic red blood cells.

Cytometry A. 2004 Jul;60(1):73-80.

27. **Saadoun I, Nimri L, Amer J.**

Diagnosis of Mycobacterium tuberculosis in cases of pulmonary infections from Jordanian hospitals.

J Basic Microbiol. 2003;43(2):131-6.

28. **Amer J, Goldfarb A, Fibach E. (First author)**

Flow cytometric measurement of reactive oxygen species production by normal and thalassaemic red blood cells.

Eur J Haematol. 2003 Feb;70(2):84-90.

LANGUAGES

Arabic: Native Language

English: Fluent

Hebrew: Fluent

French: Good working knowledge

COMPUTER SKILLS

Excellent command of Microsoft Office programs (Word, Excel, Power point ...)
