



**Name:** Keren Shakhar  
College of Management Academic Studies

**Date:** 05.01.16

## **CURRICULUM VITAE**

### **1. Personal Details**

Permanent Home Address: Meonot Wolfson B, Appt 11, The Weizmann Institute, Rehovot,  
7610001

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Electronic Address: kerenshakhar@gmail.com

Marital Status: Married

### **2. Higher Education**

#### **A. Undergraduate and Graduate Studies**

1993-1997 B.A in Psychology and Sociology, Tel Aviv University

1997-1999 M.A in Consulting Psychology, Dept. of Psychology, Tel Aviv University

**B. Doctoral Degree and Post-Doctoral Studies** 1999-2005 Ph.D in Psychology under the supervision of Prof Shamgar Ben-Eliyahu, Prof. Shoshana Shilo, Prof. Howard Carp, Tel Aviv University

2005-2006 Post-doctoral studies in Cancer Prevention and Control research program, under the supervision of Dr. Dana Bovbjerg and Heiddis Valdimarsdottir, Mount Sinai School of Medicine

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### **3. Academic Ranks and Tenure in Institutes of Higher Education**

<b>Dates</b>	<b>Institution and Department</b>	<b>Rank/Position</b>
2005-2006	Cancer Prevention and Control Research Program, Department of Oncological Science, Mount Sinai School of Medicine	Postdoctoral fellow
2008-2009	Peres Academic College, Dept of Social Science	Senior Lecturer
2013 -	College of Management Academic Studies, Dept. of Psychology	Senior Lecturer

### **4. Offices in Academic Administration** Student Affairs Counselor

Member in the Ethics Committee of the Management College Academic Studies

### **5. Participation in Scholarly Conferences**

#### **a. Active Participation**

<b>Date</b>	<b>Name of Conference</b>	<b>Place</b>	<b>Subject of Lecture/Discussion</b>	<b>Role</b>
April 1998	Research Perspectives in Psychoneuroimmunology VIII	Bristol, UK	Exposure to Estradiol Modulates Adrenergic Suppression of NK Activity and Tumor Resistance in the Female Rat	Speaker
October 19	International Society for Neuro-Immuno- Modulation, Fourth International Congress	Lugano, Switzerland	The ovulatory cycle modulates adrenergic suppression of natural killer (NK) cell activity and resistance to metastasis: Possible clinical implications.	
, May 2000	Research Perspectives in Psychoneuroimmunology IX	Cape Fear, N. Carolina	Timing within the menstrual cycle, sex, and the use of oral contraceptives determine adrenergic suppression of NK cell activity	Speaker
June 2005	Psychoneuroimmunology Conference	Denver, Colorado	Increased NK activity and number in women with recurrent miscarriage: what are we really measuring?	
March 2006	Society of Behavioral Medicine Conference	San- Francisco, California	Sleep related variability in Natural Killer cell activity is mediated by fatigue levels in healthy women.	Speaker
June 2006	Psychoneuroimmunology	Miami,	Sleep, fatigue and NK cell	Speaker

	conference	Florida	activity in healthy volunteers; significant relationships revealed by within subject analyses.	
March 2007	American Psychosomatic Society Conference	Budapest, Hungary	Could lasting reductions in natural killer cell cytotoxic activity in women with older age of first full term pregnancy contribute to their increased risk of breast cancer?	
September 2015	European Health Psychology Society Conference	Limassol, Cyprus	Does prenatal stress increase the risk for childhood asthma?	Speaker

## 6. Research Grants

### a. Grants Awarded

Role in Research	Co-Researchers	Topic	Funded by/Amount	Year
PI		Does Prenatal Stress Increase Asthma Risk	Internal research grant of College of Management Academic Studies	2015

## 7. Scholarships, Awards and Prizes

2008 – Excellence in Teaching Award, Department of Social Science, Peres Academic Center

2013 – Excellence in Teaching Award, Nursing School, The Academic College of Tel-Aviv Yafo

2014 – Outstanding Faculty Award, Department of Psychology, College of Management Academic Studies

2014 – Excellence in Teaching Award, Nursing School, The Academic College of Tel-Aviv Yafo

2015 - Excellence in Teaching Award, Department of Psychology, College of Management Academic Studies

## 8. Teaching

### a. Courses Taught in Recent Years

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<b>Year</b>	<b>Course Name</b>	<b>Type: Lecture/Seminar/Workshop/ High Learn Course/Introduction</b>	<b>Degree</b>	<b>No. of Students</b>
2007-2016	Statistics		B.A	15-60
2007-2009	Brain and Behavior		B.A	60
2010-2016	Introduction to Psychology			30-100
2009-2011 2013-2016	Research Methods		B.A	25-150
2012-2016	Analysis of Variance		B.A	25
2013-2014	Developmental Psychology			60-100
2008	Perception		B.A	30
2008	Academic Abilities		B.A	30
2013-2014	Interpersonal Communication		B.A	30
2012-2015	Scientific Writing		B.A	30
2007-2011	Stress and Infertility	Seminar	B.A	12
2014-2015	The Medical Effects of Prenatal Stress	Seminar	B.A	12
2015-2016	Is It Healthy to Feel Sick?	Seminar	B.A	12

## **PUBLICATIONS**

### **A. Ph.D. Dissertation**

Increased NK cell number and activity in women with recurrent miscarriage:  
A PsychoNeuroImmunological perspective

Supervisors: Prof. Shamgar Ben-Eliyahu, Prof. Shoshana Shilo, & Prof. Howard Carp

Tel-Aviv University

Two papers were published: #8 & #12

### **B. Articles in Refereed Journals**

1. **Shakhar K.**, Shakhar G., Rossene E., and Ben-Eliyahu S. (2000). Timing within the menstrual cycle, sex, and the use of oral contraceptives determine adrenergic suppression of NK cell activity. British J. of Cancer, **83**, 1630-1636.
2. Ben-Eliyahu S., Shakhar G., **Shakhar K.**, and Melamed R. (2000). Timing within the estrous cycle modulates adrenergic suppression of NK activity and resistance to metastasis: Possible clinical implications. British J. of Cancer, **83**, 1747-1754.
3. Ben-Eliyahu S., Shakhar G., Page G.G., Stefanski V., and **Shakhar K.** (2000). Suppression of NK cell activity and of resistance to metastasis by stress: a role for adrenal catecholamines and beta-adrenoceptors. NeuroImmunoModulation, **8**, 154-164.
4. Yovel G., **Shakhar K.**, and Ben-Eliyahu S. (2001). The effects of gender, menstrual cycle, and oral contraceptives on the number and activity of natural killer cells. Gynecology Oncology, **81**, 254-262
5. Hong-Fen L., Waisman T., Maimon Y., **Shakhar K.**, Rosenne E., Ben-Eliyahu S. (2001). The effects of a Chinese herb formula, anti-cancer number one (ACNO), on NK cell activity and tumor metastasis in rats. International Immunopharmacology, **1**, 1947-1956
6. Bar-Yosef, S., Melamed R., Page G.G., Shakhar G., **David K.**, and Ben-Eliyahu S. (2001). Attenuation of the tumor-promoting effect of surgery by spinal blockade in rats. Anesthesiology, **94**, 1066-1073
7. Yakar I., Melamed R., Shakhar G., **Shakhar K.**, Rosenne E., Abudarham N., Page G.G., Ben-Eliyahu S. (2003). Prostaglandin e(2) suppresses NK activity in vivo and promotes postoperative tumor metastasis in rats. Annals of Surgical Oncology, **10**, 469-79.
8. **Shakhar K.**, Ben-Eliyahu S., Loewenthal R., Rosenne E., Carp H. (2003). Primary versus secondary recurrent miscarriage: differences in number and activity of peripheral NK cells. Fertility and Sterility, **80**, 368-375
9. Melamed R., Bar-Yosef S., Shakhar G., **Shakhar K.**, and Ben-Eliyahu S. (2003). Suppression of NK activity and promotion of tumor metastasis by ketamine, thiopental, and halothane, but not by propofol. Anesthesiology and Analgesia, **97**, 1331-1339
10. Melamed R., Rosenne E., **Shakhar K.**, Schwartz Y., Abudarham N., Ben-Eliyahu S. (2005). Marginating pulmonary-NK activity and resistance to experimental tumor metastasis: suppression by surgery and the prophylactic use of a beta-adrenergic antagonist and a prostaglandin synthesis inhibitor. Brain, Behavior and Immunity, **19**, 114-126.



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11. Arad M., Atzil S., **Shakhar K.**, Adoni A., Ben-Eliyahu S. (2005). Poly I-C induces early embryo loss in f344 rats: a potential role for NK cells. Am J Reprod Immunol, 54, 49-53.
12. **Shakhar K.**, Rosenne E., Loewenthal R., Shakhar G., Carp H., Ben-Eliyahu S. (2006) High NK activity in recurrent miscarriage: what are we really measuring? Human Reproduction, 21, 2421-2425.
13. **Shakhar K.**, Valdimarsdottir H.B., Guevarra J.S., Bovbjerg D.H. (2007). Sleep, Fatigue, And NK cell activity in healthy volunteers: significant relationships revealed by within subject analyses. Brain Behavior and Immunity, 21, 180-184.
14. **Shakhar K.**, Valdimarsdottir H.B., Bovbjerg D.H. (2007). Heightened Risk of Breast Cancer Following Pregnancy: Could Lasting Systemic Immune Alterations Contribute? Cancer Epidemiology Biomarkers & Control, 16, 1082-1086.
15. **Shakhar K.** & Shakhar G. (2015). Why do we feel sick when infected – can altruism play a role? PLOS Biology ,13, e1002276.

### **C. Articles or Chapters in Scientific Books**

1. **Shakhar K.**, Psychological Aspects of Infertility. (2009) in Rao K.A.(ed). The Infertility Manual (3<sup>rd</sup> ed). Brinsden, A. Henry Sathanathan Books
  2. **Shakhar K.** & Fleisig D. How to cope with stress and depression in women with recurrent miscarriage. (2014) in Christiansen O.B. (ed). Gynecology in Practice: Recurrent Pregnancy Loss. John Wiley & Sons Inc. Oxford
  3. **Shakhar K.**, (2014). Coping with repeated pregnancy loss: psychological mechanisms. In Carp H.J. (2<sup>nd</sup> ed), Recurrent Pregnancy Loss. Taylor & Francis Medical Books, UK.
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