



Name: Keren Shakhar (David)
College of Management Academic Studies

Date: 01/03/22

CURRICULUM VITAE

1. Personal Details

Electronic Address: kerenshakhar@gmail.com

Marital Status: Married +2 Children

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



3. Academic Ranks and Tenure in Institutes of Higher Education

Dates	Institution and Department	Rank/Position
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

3. Offices in Academic Administration 2013-2015 Member of research committee, Department of Psychology

2013-2017 Member of the college research ethics committee

2013-2017 Member of curriculum committee, Department of Psychology

2017 Deputy Head, Department of Psychology

2017-2018 Head of the Psychology Program

2014-2018 Students affair counsellor, Department of Psychology

2018-2020 Teaching Trustee

2018 - Member of the curriculum committee, School of Behavioral Science and the Department of Psychology

2018 - Member of the Faculty Council, School of Behavioral Science and the Department of Psychology

2021- Vice dean, School of Behavioral Science and the Department of Psychology

5. Participation in Scholarly Conferences

1. **K.**, Shakhar G., Rosenne E., Page G.G., and Ben-Eliyahu S. Exposure to Estradiol Modulates Adrenergic Suppression of NK Activity and Tumor Resistance in the Female Rat. Paper presented at Research Perspectives in Psychoneuroimmunology VIII, Bristol, UK, April 1998.
2. **David K.**, Shakhar G., Rosenne E., Page G.G., and Ben-Eliyahu S. Exposure to Estradiol Modulates Adrenergic Suppression of NK Activity and Tumor Resistance in the Female Rat and in Women. Paper presented at The 1998 Meeting of Psychobiology in Israel, Tel Aviv University, Israel, May 1998.
3. Ben-Eliyahu S., Shakhar G., **David K.**, and Rosenne E. Does surgery for the removal of cancer promote metastasis? Mediating mechanisms and prophylactic measures. Paper presented at The Fourth International Congress of the International Society for Neuro-Immuno-Modulation, Lugano, Switzerland, October 1999.
4. Shakhar G., **David K.**, Rosenne E., and Ben-Eliyahu S. In vivo α -adrenergic stimulation suppresses NK activity and compromises resistance to tumor metastasis: studies in rats and



humans. Paper presented at the International Society for Neuro-Immuno-Modulation, Fourth International Congress, Lugano, Switzerland, October 1999.

5. **David K.**, Shakhar G., Rosenne E., Melamed R., and Ben-Eliyahu S. The ovulatory cycle modulates adrenergic suppression of natural killer (NK) cell activity and resistance to metastasis: Possible clinical implications. Paper presented at the International Society for Neuro-Immuno-Modulation, Fourth International Congress, Lugano, Switzerland, October 1999.
6. **David K.**, Shakhar G., Rosenne E., Melamed R., and Ben-Eliyahu S. Timing within the menstrual cycle, sex, and the use of oral contraceptives determine adrenergic suppression of NK cell activity. Presented at Research Perspectives in Psychoneuroimmunology IX, Cape Fear, N. Carolina, May 2000.
7. **Shakhar K.**, Rosenne E., Shakhar G., Carp H., and Ben-Eliyahu S. Increased NK activity and number in women with recurrent miscarriage: what are we really measuring? Presented at Psychoneuroimmunology Conference, Denver, Colorado, June 2005.
8. **Shakhar K.**, Valdimarsdottir H., and Bovbjerg D.H. Sleep related variability in Natural Killer cell activity is mediated by fatigue levels in healthy women. Presented at the Society of Behavioral Medicine Conference, San-Francisco, California, March 2006.
9. **Shakhar K.**, Valdimarsdottir, HB., Guevarra J.S., and Bovbjerg D.H. Sleep, fatigue and NK cell activity in healthy volunteers; significant relationships revealed by within subject analyses. Presented at Psychoneuroimmunology conference, Miami, Florida, June 2006.
10. **Shakhar K.**, Valdimarsdottir, HB., and Bovbjerg D.H. 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? Presented at American Psychosomatic Society Conference, Budapest, Hungary, March 2007.
11. **Shakhar K.** Does prenatal stress increase the risk for childhood asthma? Will be presented at the European Health Psychology Society Conference, Limassol, Cyprus, 2015

Additional Conferences:

12. **Shakhar K.** Does prenatal stress increase the risk for childhood asthma? Presented at Faculty Research Day, College of Management Academic Studies, Rishon LeZion, Israel, 2013
 13. **Shakhar K.** Does your mother in law make you sick? Presented at Faculty Research Day, College of Management Academic Studies, Rishon LeZion, Israel, 2015
 14. **Shakhar K.** & Pion C. A boundary breaking model for teaching and learning, Presented at Creativity in Teaching Conference of Oranim College, Kiryat Tiv'on, Israel, 2015
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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
PI	Dr. Galit Haim	Building a Model to Predict the Outbreak of Infectious Disease Using GPS tracking information	Internal research grant of College of Management Academic Studies	2016-2020

7. Scholarships, Awards and Prizes

1999	Academic award, Tel Aviv University, Israel
2000	M.A. Summa Cum Lauda, Tel Aviv University, Israel
2000	Liber Scholarship, Tel Aviv University, Israel
2000-2003	Colton Scholarship, Tel Aviv University
2001	Excellence in Instruction Award, Department of Psychology, Tel-Aviv University
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
2016	Excellence in Teaching Award, Department of Psychology, College of Management Academic Studies
2016	Excellence in Research Award, Department of Psychology, College of Management Academic Studies 2016 - Outstanding Faculty Member, Department of Psychology, College of Management Academic Studies



- 2016 Outstanding Faculty Member, Department of Psychology, College of Management Academic Studies
- 2017 Excellence in Teaching Award, Department of Psychology, College of Management Academic Studies
- 2017 Outstanding Faculty Member, Department of Psychology, College of Management Academic Studies
- 2018 Excellence in Teaching Award, Department of Psychology, College of Management Academic Studies

8. Teaching

a. Courses Taught in Recent Years

Year	Course Name	Type: Lecture/Seminar/Workshop/ High Learn Course/Introduction	Degree	No. of Students
2007-	Statistics	Lecture	B.A	15-60
2007-2009	Brain and Behavior	Lecture	B.A	60
2010-2016	Introduction to Psychology	Lecture		30-100
2009-2011 2013-2020	Research Methods	Lecture	B.A	25-150
2012-	Analysis of Variance	Lecture	B.A	25
2013-2014	Developmental Psychology	Lecture		60-100
2008	Perception	Lecture	B.A	30
2008	Academic Abilities	Lecture	B.A	30
2013-2014	Interpersonal Communication	Lecture	B.A	30
2012-2015	Scientific Writing	Lecture	B.A	30
2007-2011	Stress and Infertility	Seminar	B.A	12
2014-2015	The Medical Effects of Prenatal	Seminar	B.A	12



	Stress			
2015-2018	Is It Healthy to Feel Sick?	Seminar	B.A	12
2018-	Biological Basis of Behavior	Lecture		

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
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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.
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.
16. **Shakhar K.** (2019). *The Inclusive Behavioral System*. Frontiers in Psychology, 10, 1-8. (IF 2.129, 3 citations)

C. Articles or Chapters in Scientific Books



1. **Shakhar K.**, Psychological Aspects of Infertility. (2009) in Rao K.A.(ed). The Infertility Manual (3rd ed). Brinsden, A. Henry Sathananthan 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. (2nd ed), Recurrent Pregnancy Loss. Taylor & Francis Medical Books, UK.

Development of Interactive online courses:

1. **Descriptive Statistics** – First stage of development ended in February 2019. Includes over 700 questions with full explanations.
 2. **Inferential Statistics** – Under development - Already includes over 400 questions with full explanations
 3. **Introduction to Analysis of Variance** – Under development – Already includes over 300 questions and full explanations
 3. **Research Methods** – Under development. Already includes over 400 questions and full explanations.
 4. **Introduction to Correlation and Regression** - Under development. Already includes over 300 questions and full explanations.
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