

Eva Leman

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Date of birth: 1979.04.23

Mother tongue: Russian

Other languages: English, Hebrew, Lithuanian

Education

2018-

Academic Center for Law and Science, Israel

Current student at the School of Law, **LLB**

2009-2015

University of Haifa, Israel

Ph.D. at the Natural Sciences Faculty, Department of Evolutional and Environmental biology, at the Prof. Fuad Fares molecular biology laboratory.

Research field: Cancer, photodynamic treatment and phytochemicals.

2003-2005

Vilnius University, Lithuania

I am graduated with an **M.Sc.** specialization in genetics.

2001-2003

Hadassah College, Jerusalem, Israel

Graduated of **B.Tech.** Specialization in medical laboratory sciences.

1995-1998

High Medical School, Vilnius, Lithuania

Graduated of **Tech.** Specialization in clinical and biochemical research methods, microbiology and microbiological research methods, hygiene, and hygienic research methods.

Work experience

2014-

Currently, part-time Manager of the research laboratory of evolutionary development and regeneration, headed by Dr. Ram Rashef. The University of Haifa.

05.2020 – 05.2021 Corona

Shift manager at the Central Israel Corona Laboratory, Myheritage Lab. At the laboratory establishment stage, I hold a Vice clinical laboratory director position.

2018-2019

Manager of the research laboratory of the Mivchar Art Therapy program at the The School of Creative Arts Therapies Faculty of Social Welfare and Health Sciences is headed by Dr. Johanna Czamanski-Cohen. The University of Haifa.

2017.07-08 and 2018.08-09

I took part in a collaborative program entitled RA-Shark, "Role of retinoic acid in pronephros patterning in the catshark." with Dr. Sylvie MAZAN Development & Evolution of Vertebrates Group Integrative Biology of Marine Organisms Observatoire Océanologique, BANYULS SUR MER, France.

2016-2017

Manager of the research laboratory of environmental stress tolerance in mammals, headed by Dr. Imad Shams. The University of Haifa.

08.05.2017-12.05.2017 (the academic year 2016/2017)

ERASMUS+ teaching mobility project. Evo-Devo course, Vilnius University, Lithuania

2014-2015

Teaching assistant, general biochemistry course at Haifa University.

2011-2012/2012-2013/2014-2015

Teaching assistant, general genetics course at Haifa University.

2007-2009
Work at Molecular Genetics Laboratory headed by Prof. Fuad Fares, Carmel Medical Center, Haifa. Genetic tests performance for carrier state of recessive diseases (Canavan, Familial Dysautonomia, Fanconi Anemia, Tay-Sachs, Bloom Syndrome, Mucopolysaccharidosis 4 and Ataxia Telangiectasia) was the main responsibility.

2000-2003

Work at Hadassah Ein-Karem Hospital in Laboratory of Human Genetics headed by Prof. Debora Abelyovich, Jerusalem. Genetic tests performance for carrier state recessive diseases (Cystic Fibrosis, Canavan, Familial Dysautonomia, Fanconi Anemia, Tay-Sachs, Bloom Syndrome, Mucopolysaccharidosis 4, Nieman-Pick, and Ataxia-Telangiectasia) was the main responsibility.

2000-2001

Work at Hadassah Ein-Karem laboratory of Emergency Room, Jerusalem.

1997-1998

Pharmacist assistant, "Santa" pharmacy, Vilnius, Lithuania.

1998.07-1999.10

Military service: Air forces, laboratory technician-hematologist, chemist.

Laboratory techniques and skills

- Skills and knowledge for Medical Clinical Laboratory as well as a research laboratory
- DNA, RNA, Protein isolation
- PCR, Real-time PCR, primers design, data interpretation, mutation analysis using the ARM procedure, restriction analysis, linkage analysis
- Clinical, diagnostic qPCR
- Western blot analysis
- In situ hybridization, Immunohistochemistry
- Paraffin block and cryosections preparation for histology
- Probe synthesis
- Molecular cloning techniques
- Working with cell cultures, cell cultivation techniques, cell viability detection

- Florescent microscopy skills
- Molecular laboratory environmental monitoring and testing techniques
- Clinical and Research Laboratory safety certificate
- Working skills with pathogens (*Mycobacterium tuberculosis*, SARS-CoV-2)
- New protocols development
- Experiment planning
- Scientific writing
- Proficient in **SPSS** (statistical program)
- Proficient in **SAP**
- Proficient in **eLab**
- Scientific conferences organization
- Research Laboratory management
- New clinical laboratory establishment skills.
- Large team (up to 200 people) clinical laboratory management

Courses/Practical work and mobility during education

11.2019 – 07.2020

Legal Clinics, Representation of Criminal Defendants, Suspects & Prisoners in collaboration with Public Defender's Office.

02.03.2016-15.06.2016

DNA in forensic science, Dr. Nurit Bublil's course, Haifa.

16.02.2016-01.03.2016

Laboratory safety trusty course. Carmel Safety College, Nesher.

01.11.2013-01.05.2014

ERASMUS MUNDUS MOBILITY EDEN Ph.D. PROJECT. 6-month project at the Vilnius University, Department of Biochemistry and Molecular Biology, a cell biochemistry laboratory supervised by Professor Vida Kirveliėne. A project was a part of the Ph.D. study at the University of Haifa, Department of Evolutionary and Environmental.

Biology, molecular genetic laboratory supervised by Prof. Fuad Fares. Project title:

"Elucidating the effect of Curcumin mediated photodynamic treatment in combination with 3,3-diindolylmethane on the growth of human epithelial cancer cells".

2009-2015

Ph.D. experience works at the Haifa University, Natural Sciences Faculty, Department of Evolutional and Environmental biology, at the Prof. Fuad Fares molecular biology laboratory.

2004-2005

M.S c. experience works at the Vilnius University, Department of Biochemistry and Biophysics at the Cell Biochemistry laboratory headed by Prof. Vida Kirveliene.

2003.09-2003.10

Molecular biology courses and laboratory practice at Fermentas Inc., Vilnius, Lithuania.

2000.01-2000.07

Israel Ministry of Health laboratory practice at Hadassah Har-Hazofim hospital, Hematology laboratory headed by Prof. Yaakov Mazner.

1995-1998

High Medical School practice at clinical, biochemical, microbiological, and hygiene laboratories, Vilnius, Lithuania.

Publications

Posters

- The 2018 World Stem Cell Summit. **Sustained myosin light chain phosphorylation impairs motility of adipose-derived stem cells (ADSC) of cancer-resistant blind mole rat Spalax: a possible role in tumor suppression.** Anatolii Mamchur, Eva Leman, Safaa Salah, Aaron Avivi, Imad Shams and Irena Manov, 22-26 January 2018, Miami, Florida, USA
- 8th International Conference on Tumor Microenvironment, **The role of adipose-derived stem cells in establishment of the tumor-suppressive microenvironment in Spalax,** Anatolii Mamchur, Eva Leman, Safaa Salah, Aaron Avivi, Imad Shams, Irena Manov, 10-14 June 2018, Lisbon, Portugal
- EACR Conference Series 2016, **A Metter of life or death: mechanisms and relevance of cell death for cancer biology and treatment.** Eva Leman, Fuad Fares, 28-30 January 2016, Amsterdam, the Netherlands.

- The Israeli Society of Cancer Research, The 7th annual meeting of the Israeli society for cancer research. **A Matter of life or death: mechanisms and relevance of cell death for cancer biology and treatment.** Eva Leman, Fuad Fares 4 June 2015, Tel Aviv, Israel.
- The 9th International Conference of Anticancer Research, **Elucidating the effect of photodynamic treatment in combination with 3, 3'-Diindolylmethane on the growth of human epithelial cancer cells.** Anticancer Res October 2014 34 (10) 5761- 6257.6-10 October 2014, Sithonia, Greece.
- European Life Scientist Organization (ELSO) meeting **Expression of VEGF and IL1A in vitro following PDT and treatment with cytostatic drugs.** Eva Leman, V. Kirvelienė . 3-6 September 2005 Dresden, Germany.

Articles

Will be submitted in September 2021 for publication in *Cells*

- Pascal Schmidt^{1,3,#}, Eva Leman^{1,#}, Ronan Lagadec², Michael Schubert^{3,*}, Silvie Mazan^{2,*} and Ram Reshef^{1,*} **The origin of vertebrate pronephros developmental regulation: a role for Retonoic Acid.** (# These authors contributed equally to this study); (* Corresponding authors)
- Huda Adwan Shekhidem , Lital Sharvit, Eva Leman , Irena Manov ,Asael Roichman , Susanne Holtze, Derek M. Huffman, Haim Y. Cohen, Thomas Bernd Hildebrandt, Imad Shams, and Gil Atzmon, **Telomeres and Longevity: A Cause or an Effect?**, *Int. J. Mol. Sci.* 2019, 20(13), 3233
- A Mamchur, E. Leman. S. Salah A. Avivi I. Shams I Manov, **Adipose-Derived Stem Cells of Blind Mole Rat Spalax Exhibit Reduced Homing Ability: Molecular Mechanisms and Potential Role in Cancer Suppression.**, *Stem Cells Express* 13 July 2018
- D. Dabkeviciene, A. Sasnauskiene, E. Leman, R. Kvietkauskaite and V. Kirveliėne. **Differential Expression of VEGF and IL-1alpha after Photodynamic Treatment in Combination with Doxorubicin or Taxotere.** 2014. *Anticancer Res* October 2014 34 (10) 5295-5302.

- D. Dabkevičienė, A. Sasnauskienė, E. Leman, R. Kvietkauskaitė, N. Daugelavičienė, V. Stankevičius, V. Jurgelevičius, B. Juodka, V. Kirvelienė. **mTHPC-mediated photodynamic treatment up-regulates the cytokines VEGF and IL-1alpha.** Photochemistry and photobiology. Hoboken: Wiley- Blackwell Publishing. 2012 88 (2)