

Education

2017 – now – postdoc at Institut Pasteur, Paris

2009-2016 - *Ph.D* – Under the supervision of Prof' S.N Goldberg and Prof' Eithan Galun's, The Goldyne Saved Institute for Gene Therapy, Hadassah Hebrew University Medical Center.

- Thesis: "Oncogenesis – An "off-target" effect of radiofrequency ablation".
- Course average: 94.3

2005 – 2008 - *MS.c* – Biotechnology under the supervision of Prof' David Naor, The Lautenberg Center for General and Tumor Immunology, The Hebrew University.

- Thesis: "CD44 is a potential marker for early differentiation of keratinocytes in-vitro".
- Courses average: 92.2.
- Final exam: 90.
- Thesis: 93.

2004 – 2005 - Completion studies for a biotechnology MS.c, The Hebrew University.

- Courses average: 91.1.

1998 – 2001 - B.Sc - Computer Sciences

- Courses average: 83.38

Work experience

3.2016 – 12.2016 – Short postdoc in Prof. Eithan Galun and Prof. Nahum Goldberg's lab

2008-2009 - Working under the supervision of Prof' David Naor on the connection between ATG and Treg cells.

01.06.08.2000-27.12.2002 – Programmer, Amdocs Ltd.

Biological Procedures

Animal models

- Breeding
- Radiofrequency ablation
- Partial hepatectomy
- Splenectomy
- Hepatocyte transplantation
- Hepatocyte isolation (perfusion)
- *In-vivo* imaging (IVIS) Histology

Histology

- Immuno-histochemistry
- Immuno-fluorescence

Protein assays

- Western blot
- ELISA

Nucleic Acid assays

- DNA and RNA purification
- PCR + Realtime PCR
- Cloning
- Cell culture

Publications

1. Bulvik BE, Rozenblum N, Gourevitch S, Ahmed M, Andriyanov AV, Galun E, Goldberg SN (2016) Irreversible Electroporation versus Radiofrequency Ablation: A Comparison of Local and Systemic Effects in a Small-Animal Model. *Radiology* **280**(2): 413-424
2. ROZENBLUM N, Zeira E, Bulvik B, Gourevitch S, Yotvat H, Galun E, Goldberg SN. Radiofrequency Ablation: Inflammatory Changes in the Periablative Zone Can Induce Global Organ Effects, including Liver Regeneration. *Radiology* 2015;276:416-25.
3. ROZENBLUM N, Zeira E, Scaiewicz V, Bulvik B, Gourevitch S, Yotvat H, Galun E, Goldberg SN. Oncogenesis: An "Off-Target" Effect of Radiofrequency Ablation. *Radiology* 2015;276:426-32.
4. Baruch E. Bulvik, Nir ROZENBLUM, Svetlana Gourevitch, Muneeb Ahmed, Alexander V. Andriyanov, Eithan Galun, Goldberg SN. Irreversible Electroporation versus Radiofrequency Ablation: A Comparison of Local and Systemic Effects in a Small-Animal Model. *Radiology* 2016.
5. Ahmed M, Kumar G, Moussa M, Wang Y, ROZENBLUM N, Galun E, Goldberg SN. Hepatic Radiofrequency Ablation-induced Stimulation of Distant Tumor Growth Is Suppressed by c-Met Inhibition. *Radiology* 2016;279:103-17.
6. Ahmed M, Kumar G, Navarro G, Wang Y, Gourevitch S, Moussa MH, ROZENBLUM N, Levchenko T, Galun E, Torchilin VP, Goldberg SN. Systemic siRNA Nanoparticle-Based Drugs Combined with Radiofrequency Ablation for Cancer Therapy. *PLoS One* 2015;10:e0128910.
7. Shimony O, Nagler A, Gellman YN, Refaeli E, Rosenblum N, Eshkar-Sebban L, Yerushalmi R, Shimoni A, Lytton SD, Stanevsky A, Or R, Naor D (2012) Anti-T lymphocyte globulin (ATG) induces generation of regulatory T cells, at least part of them express activated CD44. *J Clin Immunol* 32(1): 173-188
8. Kahaly GJ, Shimony O, Gellman YN, Lytton SD, Eshkar-Sebban L, Rosenblum N, Refaeli E, Kassem S, Ilany J, Naor D. Regulatory T-cells in Graves'

orbitopathy: baseline findings and immunomodulation by anti-T lymphocyte globulin.
J Clin Endocrinol Metab 2011;96:422-9.

Prizes

- 3rd price in research creativity, IOSFC 2013, Como, Italy.
- First price for best poster, ICA conference 2013, Ramat-Gan, Israel.
- Young investigator, EASL 2015, Vienna, Austria.
- The paper **“Radiofrequency ablation: inflammatory changes in the periablative zone can induce global organ effects, including liver regeneration”**, published in **Radiology** in August 2015, was elected as one of the 5 “Best IO papers of 2015” in the ECIO (European Conference of Interventional Oncologists) conference 2016.
- The paper **"Oncogenesis - an "off-target" effect of radiofrequency ablation"**, published in **Radiology** in August 2015 was selected as "one of the six most influential papers in 2015" in the WCIO (World Conference of Interventional Oncologists) conference 2016.

Oral presentations

- WCIO 2016, Boston, USA.
- ECIO 2016, Dublin, Ireland.
- IOSFC 2013, Como, Italy.
- RSNA 2012, Chicago, USA.

Poster presentations

- ICA conference 2013, Ramat-Gan, Israel.
- EASL 2015, participated as a young investigator.

Languages

Fluent English and Hebrew