

MAYTAL GEFEN

Phone 054-7641081

E mail MaytalGefen@gmail.com

Skills Summary

- *In vitro* tissue culture cell line maintenance and experimentation
- *In vivo* experimentation with rodents
- Molecular biology methods; cloning of vectors, plasmid maintenance, transfection into cells, injection into mice, PCR, qRT-PCR.
- Genetic manipulation of mouse liver using CRISPR/Cas9 and hydrodynamic tail vein injection
- Experience with GMP and GLP

Education

*2015 – 2017 The Hebrew University- Master of Science (M.Sc.)
Medical Research- Human Genetics*

Research project in the Goldyne Savad Institute of Gene Therapy Hadassah University Hospital.

Supervisor: Prof. Eithan Galun

Research title: "Validating the autonomous role of microRNA-122* the passenger strand of miRNA-122, by CRISPR/Cas9 genome editing of the miR-122/miR-122* region"

*2007 – 2012 Technion - Israel Institute of Technology-
Bachelor of Science (BSc) Biotechnology and Food Engineering*

Research thesis in the Lab Studying Functional food

Supervisor: Prof. Eyal Shimoni

Research title: "Structural and Functional Properties of Amylose Complexes with Silymarin"

Experience

2014- 2015 Project Manager- Stage 2 Partners

2014- QC Analyst- Omrix Biopharmaceuticals

- Working under GMP and GLP controlled conditions
- Microbial Limits Testing (MLT) of raw materials, IPC and biological product
- Environmental monitoring (EM) in a clean room environment
- Involvement in change control processes

2010-2012 Student Activities Coordinator- Technion Student Association

2009-2012 University Representative- Technion Information Center