



THE ISRAELI RESEARCH ASSOCIATION FOR  
EYE HEALTH AND BLINDNESS PREVENTION (I.R.A.)

### **Funded Research Projects by Lirot Association 2007-2015**

1. Dr. Ruth Padan, Sackler Faculty of Medicine, Tel Aviv University  
**"Study of the molecular mechanisms involved in controlling the development of pigment cells of the mammalian eye."**
2. Prof. Eyal Benin, Department of Eye Diseases, Hadassah University Hospital and Faculty of Medicine Hebrew University of Jerusalem.  
**"Human embryonic stem cells as a source of retinal pigment epithelium cells."**
3. Prof. Tamar Ben-Yosef, Department of Genetics, Rappaport Faculty of Medicine, Technion.  
**"Gene mapping and identification of mutations underlying retinitis pigmentosa in Jewish and Arab families from northern Israel."**
4. Prof. Dror Sharon, New Disease Center of the macula and retina, Hadassah University Hospital, Jerusalem  
**"Genetic characterization of inherited macular degeneration diseases Israeli Dr. Dror Sharon, New Disease Center of the macula and retina, population."**
5. Prof. Dror Sharon, New Disease Center of the macula and retina, Hadassah University Hospital, Jerusalem  
**"Genetic and functional characterization of the FAM161A gene which is the major cause of retinitis pigmentosa in the Israeli population."**
6. Prof. Ido Perlman, Rappaport Faculty of Medicine, Technion-Israel Institute of Technology and the Rappaport Institute, Haifa.  
**"Spread of degenerative signals from affected rod photoreceptors to healthy cone photoreceptors in the rat model of retinitis pigmentosa."**



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7. Prof. Arie Solomon, Faculty of Medicine, Tel Aviv University.  
**"Combining nano technology and biomedical materials - new technology to create an integrated treatment optic nerve healing after injury or illness."**
  
8. Prof. Itai Chowers, Department of Ophthalmology, Hadassah Medical Center in Ein Kerem, Jerusalem.  
**"Characterization of mixed sub-populations of white blood cells and L1achmokinim receptors CCR2 and CXECR pathogenesis of age-related macular degeneration (AMD)."**
  
9. Dr. Nitza Goldenberg - Cohen, Medical Center Schneider Children in Israel.  
**"Injection of Adult Bone Marrow Derived Stem Cells to the Developing Retina of Newborn Mice."**
  
10. Dr. Michael Weisbord, Department of Ophthalmology, Ichilov Medical Center, Tel Aviv.  
**"The Use of Topical Bevacizumab (Avastin) for Ophthalmic Diseases"Topical Bevacizumab for Corneal Neovascularization and Neovascular Glaucoma Pharmacokinetics of Topical Bevacizumab ."**
  
11. Prof. Ofri Ron, Hebrew University, Jerusalem  
**"A novel animal model for day blindness. Feasibility study for gene therapy in patients with achromatopsia."**
  
12. Dr. Frankel , Hadassah Ein – Karem  
**"Metastatic uveal melanoma: inhibition of the NFkB and USF2 transcription factors as treatment for micrometastases."**



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13. Dr. Eran Pras, Assaf Harofeh Medical Center  
**"Congenital Cataract: Genetics and Clinical Evaluation of Israeli and Palestinian Patients."**
14. Dr. Yossi Mandael, Tel-Aviv University  
**"Development of a high resolution retinal prosthesis, by a video goggles-based system onto a subretinally placed photovoltaic array using."**
15. Dr. Samer Khateb M.D./Ph.D, Department of ophthalmology, Hadassah Medical Center  
**"Identification of novel Usher syndrome genes using a combined approach of homozygosity mapping and exome sequencing."**
16. Adi Inbal Ph.D. Department of Medical Neurobiology The Hebrew University of Jerusalem.  
**"Molecular mechanisms of Six3-mediated optic nerve malformations."**
17. Dr. Abraham Katzir, Tel-Aviv University  
**"Using a Novel System, based on a Laser and a Single Optical Fiber, for Sutureless Laser Bonding of Incisions in the Cornea."**
18. Dr. Haim Cohen, Bar Ilan University  
**"Involvement of SIRT6 in aging and degeneration processes of the retina."**
19. Prof. Itay Chowers, the Department of Ophthalmology of the Hadassah – Hebrew University Medical Center.  
**Modulation of Monocyte Involvement through Chemokine Signaling in Age Related Macular Degeneration."**
20. Prof. Dror Sharon, Prof. Tamar Ben-Yosef, Dr. Eran Pras, Dr. Nitza Goldenberg- Cohen, Dr. Hanan Abbasi, Prof. Ohad Birk, Dr. Leiba Gradstein, Prof. Eyal Banin, Dr. Hadas Newman, Prof. Ido Perlman, Dr. Hana Leib, Dr. Haim Levy and Dr. Noam Shomron – The Israeli Retinal Disease Consortium (IRDC).  
**Mapping Inherited Retinal Degenerative Diseases (RDD) in the Israeli Population.**



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21. Dr. Dorit Razprag, Prof. Adiel Barak and Prof. Yael Hanein – School of Electrical Engineering, Center for Nanoscience and Nanotechnology and Faculty of Medicine, Tel Aviv University.  
[In Vivo Evaluation of High Resolution Nano Material Based Visual Prosthesis.](#)