



NAME OF LABORATORY: Research Center for Nerve Reconstruction (RCNR)

PI: Prof. Rochkind Shimon MD, PhD and Dr. Mandelbaum-Livnat Mira PhD

Director Department: Prof. Rochkind Shimon MD, PhD

Research Objectives: The research focuses on improving nerve reconstruction and rehabilitation following both peripheral nerve (PN) and spinal cord (SC) injuries.

Main Research topics:

- Development and validation of Guiding Regenerative Gel (GRG) with the aim of improving nerve regeneration and following PN injury with massive loss defect.
- Development of a hydrogel based on the GRG in order to allow and promote nerve reconstruction following complete SC injury.
- The beneficial effect of laser phototherapy on severely injured PN and corresponding muscles.

Staff: The RCNR consists of clinicians, scientist, electrophysiologists, engineers, biochemists and veterinarians

Active Grants:

- Moxie Foundation
- Israeli Ministry of Defense
- Dr. Herman Schauder Memorial Endowment Fund, The Sackler Faculty of Medicine, Tel Aviv University
- German Israeli Foundation - **GIF**

Collaborations: Collaborations include leading clinical and research centers from Israel, Germany, Sweden, Spain, Great Britain and Italy as well as industrial companies from Israel, Germany and Portugal.

Contact us:

<http://www.tasmc.org.il/sites/en/research/tech-transfer/nerve-reconstruction/Pages/Nerve-Reconstruction.aspx>

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