Massive work was done to decipher the neural code of the visual information at the retina level. How do retinal targets integrate and process the retinal output is still an unsolved question. The aim of the project is to reveal how visual information is processed along the main visual pathway. For that, advanced in vivo imaging techniques will be used in combination with retinal manipulations using pharmacogenetics and other methods. Computational/engineering background and programming experience are preferable. Experience with two-photon imaging is an advantage. Good social skills and a sense of humour are a must. Interested candidates with proven academic record are requested to send their CV and contact details of 3 referees to michal.rivlin@weizmann.ac.il

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