Name of advisor	Campus	email address	Lab website address	Project short description	Type of study	Required background
Adi Livnat	Haifa	adi.livnat@sci.haifa.ac.il	www.livnatlab.com	Experimental and computational studies of non-random mutation. The Livnat lab investigates the deep principles of how evolution works, focusing on the mechanisms of mutation. It was once thought that mutations were accidents occurring at random locations in the genome. However, recent evidence suggests that yet largely unknown mutational machinery is massively involved in affecting the probability of occurrence and the type of mutations that occur in a heritable mode. This has profound implications for our understanding of evolution and medicine. We study a wide range of questions that follow from these recent developments, offering opportunities for highly motivated students and postdocs/researchers with a record of past excellence. Students with wet-lab skills (experience in molecular biology/molecular genetics is advantageous) as well as students with a background in bioinformatics/computational biology are needed for a new, high-impact empirical research project on the origin of mutations.	Lab or computational work	Background in one of these fields: 1. Molecular Biology/Molecular Genetics. 2. Computational Biology/Bioinformatics.
Elah Pick	Oranim	elahpic@research.haifa.ac.il	https://elahpick.weebly.com/	The effect of the oxidative environment on protein turnover in mammalian cells	Lab work that includes cell culture techniques and advance protein biochemeical methods	Knowledge of protein molecular methods