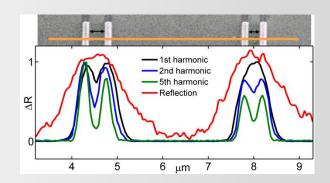
## PhD/MSc research positions in the lab of prof. Ori Cheshnovsky: Microscopy and spectroscopy of nanostructures

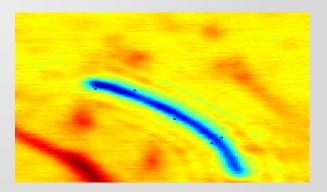


Methods in super-resolution microscopy for the observation and chemical characterization of nano-objects and nanostructures. Special emphasis on label-free methods avoiding the labeling of the objects with fluorescent dyes. The methods are well tailored for nano-material research.

Development of methods to measure light absorption and light extinction in individual nanoobjects and nanoparticles.

Characterization of individual nanoparticles in the search for direct band gap photovoltaic materials. The major focus is on finding Ge/Si core-multi-shells nanowires with enhanced photovoltaic yields in the infrared.





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