

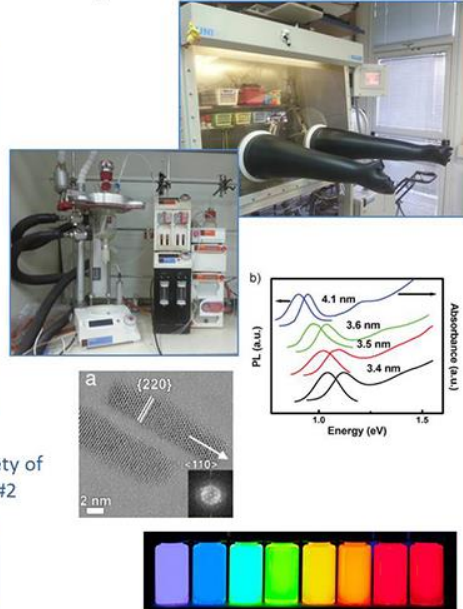


Open position #1 for Ms.c, Ph.D and postdoc researchers in the fascinating field of semiconductor nanocrystals

- Colloid synthesis of nano-particles with unique shapes (spheres, rods, wires, platelets and corresponding core/shell and alloyed structures).
- Growth of transition metal layered compounds
- Characterization of structural properties and composition.
- Study of optical and electronic properties.
- Implementation of nanocrystals in various opto-electronic applications.

* The above mentioned research fields can be combined with a variety of unique magento-optical measurements as posted for open position #2

For details please contact Prof. Efrat Lifshitz
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Open position #2 for Ms.c, Ph.D and postdoc researchers in the fascinating field of semiconductor nanocrystals

- Characterization of nanocrystals by spectroscopy and microscopy methods
- Work with optical and cryogenic systems, combined with magnetic fields
- Study of optical and electronic properties (excitons, multi-excitons, spins charge and energy transfer) by confocal microscopy, STM, STS and AFM
- Study of a single- and of an ensemble of nanocrystals
- Various opto-electronic applications

* The above mentioned research fields can be combined with materials preparation and structural characterization, as posted in the open position #1

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