

**Tel Aviv University, School of Chemistry**

**A postdoctoral position is available in the field of  
*NMR structural virology***

The Goldbourn lab in Tel Aviv University is seeking an excellent candidate to study bacteriophage viruses by magic-angle spinning solid-state NMR.

The research involves molecular biology techniques for the preparation and purification of phage samples, and state-of-the-art NMR techniques to study structure and dynamics of the protein capsids, of the RNA or DNA genomes, and their interactions. The project can be directed to be applicative, methodological, or both, depending on the interest.

The lab is equipped with two wide-bore solid-state NMR spectrometers: A 600 MHz Bruker spectrometer with probes ranging 1.3 – 4 mm operating at various frequency combinations, and a 400 MHz Bruker AVIII spectrometer with low-g capabilities. We also have all the facilities to perform molecular biology preparations.



**M13 phage**

The candidate should have experience in any sort of NMR techniques from his Ph.D., and experience in molecular biology techniques such as protein expression is an advantage. The candidate should also have excellent English skills, personal communication skills, and motivation to pursue a future academic career.

The position will be funded by the Ratner center for single molecule spectroscopy and by the Israel Science foundation.

*Starting date is flexible and can be immediate.*

Information on our research group interests can be found in our webpage:  
<http://kuwari.tau.ac.il>

Please send your CV, publication list and contact information for two references to:

Prof. Amir Goldbourn, [amirgo@tauex.tau.ac.il](mailto:amirgo@tauex.tau.ac.il)

♦ If you want to know more on Tel Aviv: <https://www.touristisrael.com/tel-aviv/>