

State of Israel/Ministry of Agriculture
& Rural Development
Agricultural Research Organization
The Volcani Center
Office of the Director
Associate Director for Academic Affairs
& International Cooperation

מדינת ישראל/משרד החקלאות
ופיתוח הכפר
מינהל המחקר החקלאי
מרכז וולקני
לשכת ראש המינהל
ממונה על ענייני אקדמיה
וקשרים בינלאומיים

Program for Postdoctoral Fellowship Awards in Agriculture

Internal Ref # 19	Title of Research Project: Honeybee modulation of infection with the Israeli Acute Paralysis Virus, in asymptomatic, acutely infected and CCD colonies	
Project Leader: Prof. Nor Chejanovsky		Email : ninar@volcani.agri.gov.il Phone : +972-3-9683694
Institute: Plant Protection Department: Entomology		
The research team (other scientists):		
Short Description of Research Project (3-5 lines): Honeybees serve as key pollinators for many agricultural crops and the conservation of natural plant biodiversity in our planet and there colonies are in dangerous decline. We study the collapse (CCD) and decline of honeybee colonies due to viral infections, namely, the Israeli acute paralysis virus (IAPV) and the Deformed wing virus (DWV) using honeybee-based bioassays, tissue culture and molecular virology approaches combined with new deep sequencing technologies and bioinformatics. Understanding of the mechanisms involved in the burst of the above viruses will lead to improvement of bee management in the short term, in development of tools to identify pathogen-resistant strains and anti-viral agents.		
Required Qualifications of Visiting Scientist: <i>Education:</i> PhD. Knowledge of the English language. Reading, writing speaking. <i>Scientific Experience:</i> PhD thesis, conduction of laboratory experimentation. <i>Abilities and Skills:</i> background in molecular biology and virology, initiative and enthusiasm.		

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