

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# <b>20</b>	Title of Research Project: <b>Potential of pest control by insect baculoviruses and molecular targeting of insect defenses</b>	
Project Leader: Prof. Nor Chejanovsky		Email : <a href="mailto:ninar@volcani.agri.gov.il">ninar@volcani.agri.gov.il</a> Phone : +972-3-9683694
Institute: Plant Protection Department: Entomology		
The research team (other scientists):		
Short Description of Research Project (3-5 lines): Noctuidae pests belonging to the Lepidopteran family such as <i>H. armigera</i> , <i>S.littoralis</i> and <i>S. littura</i> , attack cotton, vegetables, ornamentals and fruit trees. The food crisis demands development of novel means to diminish non-specific pesticide abuse against those pests. We are developing novel baculoviruses and alternative means for pest control, compatible with IPM, that exploit weakening of the insect defenses towards pathogen infection by targeting the insect immune system. For this purpose we apply molecular biology techniques, virology and bioassays combined with bionformatic mining. Achieving our project objectives will yield new ways friendly to the environment to control insect pests.		
<i>Knowledge:</i> PhD. Knowledge of the English language. Reading, writing speaking. <i>Experience:</i> PhD thesis, conduction of laboratory experimentation. <i>Ability and skills:</i> background in molecular biology and virology		