

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

<i>Internal Ref</i> # 10	Title of Research Project: Molecular basis of the fruit softening process during the fig (<i>Ficus carica</i>) fruit ripening and senescence	
Project Leader: Dr. Moshe Flaishman	Email : vhmoshea@agri.gov.il	Phone : 972-3-9683394
Institute: Plant Sciences		
Department: Fruit Tree Sciences		
The research team (other scientists):		
Short Description of Research Project (3-5 lines): Fig (<i>Ficus carica</i> L.) fruit undergoes rapid softening during ripening, a process that involves changes in the solubility and degradation of the cell wall. Using 454 technology we isolated and characterized up and down regulated of many genes during the ripening process. To further analyzed those genes we will use: a. bioinformatics analysis, b. functional analysis by transformation, of antisense and over expression, of fig genes followed by <i>in situ</i> hybridization of selected genes in fig fruit. c. total RNA seg of fig fruits exposed to different treatments during ripening.		
Required Qualifications of Visiting Scientist: <i>Education:</i> PhD. student graduated in Plant molecular biology <i>Scientific Experience:</i> bioinformatics analysis; plant transformation, plasmid construction, RNA isolation, plant genetics, plant biology, plant anatomy, <i>in situ</i> hybridization <i>Abilities and Skills:</i> English writing and speaking capabilities		

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