

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

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| <i>Internal Ref #</i><br><b>35</b>   | Title of Research Project:<br><b>Role of a ribonuclease in plant PCD, abscission and senescence processes.</b> |   |
| Project Leader:  | <b>Amnon Lers</b>  | Email: <a href="mailto:alers@volcani.agri.gov.il">alers@volcani.agri.gov.il</a><br>Phone: <b>03-9683608</b> |
| Institute: ARO, the Volcani Center<br>Department: Postharvest Science of Fresh Produce   |  |   |
| The research team (other scientists):  |  |   |
| Short Description of Research Project (3-5 lines):<br><b>Characterization of the regulation and function of a ribonuclease and its encoding gene in tomato. The mode of action of the ribonuclease in programmed cell death (PCD), abscission and senescence process will be investigated. The consequences of inhibiting the expression of the encoding gene in transgenic plants' development and stress responses will be characterized.</b>  |  |   |
| Required Qualifications of Visiting Scientist:<br><i>Education:</i> <b>Ph.D. in plant biology with preference to candidates specialized in plant physiology or molecular biology.</b><br><br><i>Scientific Experience:</i> <b>Preferably candidates with good scientific experience in plant physiology, horticulture or molecular biology</b><br><br><i>Abilities and Skills:</i> <b>Highly motivated, ability to conduct independent research and learn new methods. Good English.</b> |  |   |