

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 # 16	Title of Research Project: Development of methodologies for genomic evaluation in moderately sized dairy cattle populations	
Project Leader: Dr. Joel Ira Weller	Email : weller@agri.huji.ac.il	
	Phone : 08-9484430	
Institute: Animal Sciences		
Department: Ruminant Science		
The research team (other scientists): Dr. Micha Ron, Ephraim Ezra		
Short Description of Research Project (3-5 lines): Methods developed so far for genomic evaluation of dairy cattle based on the 54K SNPchip work well for very large populations, consisting of millions of cows, but do not work well for smaller populations. The objective of the research will be to develop methods for genomic evaluation for a population ~100,000 cows, the size of the Israeli Holstein population.		
Required Qualifications of Visiting Scientist: <i>Education:</i> Quantitative genetics, statistics, matrix algebra. <i>Scientific Experience:</i> Number crunching, statistical analysis, computing with SAS, Fortran and C++. <i>Abilities and Skills:</i> Good computing capabilities, excellent English, ability to work as part of a group, and interact with senior scientists and graduate students		