

**Part I: CURRICULUM VITAE****1. Personal**

P. O. Box 3326, Zemer 38828, Israel

Dates	Description
1973	Born in Israel

**2. University Education and Additional Training**

Dates	Description
1992-1994	B.Sc. in Plant Protection at the Hebrew University of Jerusalem.
1995-1997	M.Sc. in Genetics at the Hebrew University of Jerusalem. Title of thesis: Transovarial transmission of <i>Tomato yellow leaf curl virus</i> by its vector, the whitefly <i>Bemisia tabaci</i> . Supervision by: Henryk Czosnek
1998 – 2001	Ph.D. in Genetics at the Hebrew University of Jerusalem. Title of thesis: <i>Tomato yellow leaf curl virus</i> in the whitefly <i>Bemisia tabaci</i> : paths of acquisition and transmission, and the effect on the insect. Supervision by: Henryk Czosnek
2001 – 2004	Postdoctoral position at Yale University School of Medicine, Department of Genetics with Prof. Kevin White. Research Subject: genomic approaches to study pattern formation during <i>Drosophila</i> embryogenesis, and the molting steroid hormone ecdysone's control of metamorphosis of <i>Drosophila</i> .
6/2015 – 10/2015	Sabbatical leave at Cornell University with Dr. Michelle Cilia at the Boyce Thompson Institute for Plant Research Research subject: Interactions between the Asian Citrus Psyllid <i>Diaphorina citri</i> and the Candidatus <i>Liberibacter asiaticus</i>

**3. Positions Held and Academic Status**

Dates	Description
2004 to date	Scientist at the ARO, The Volcani Center, Institute of Plant Protection, Department of Entomology
2015	Promoted to Senior Scientist – highest rank (Rank A+)
2011-2014	Head, Department of Entomology
2012 to date	Associate professor of Entomology, Hebrew University of Jerusalem

## Training / Teaching Experience

### A. Academic Contribution:

Dates	Description
2006 to date	Lecturer at the Hebrew University, Faculty of Agriculture. Title of the course: Vectors of Plant Pathogens
2007-2015	Lecturer at the Hebrew University, Faculty of Agriculture. Title of the course: Functional genomics in the service of agriculture.

### B. Guidance of M.Sc. Students:

Graduation date	Name	Title of thesis	Guidance with
2008	*Ms. Keren Harel	Genetic basis of circadian rhythm in the Mediterranean fruit fly <i>ceratitis capitata</i>	Prof. Efraim Cohen
2011	*Ms. Adi Kliot	Analysis of nicotine resistance in <i>Bemisia tabaci</i>	Prof. Hanokh Czosnek
2012	*Ms. Smadar Popovski	Genomic analysis of internal organs of <i>Bemisia tabaci</i> related to begomovirus transmission	Prof. Henryk Czosnek
2012	Ms. Libat Rosh	Feeding and host replacing in mealybugs (Pseudococcidae)	Prof. Zvi Mendel
2012	*Mr. Guy Gafni	Genetic and biological basis for thrips resistance to insecticides	Dr. David Ben-Yakir
2014	*Mr. Ran Rosen	Biological and genetic differences between resistant and susceptible populations of onion thrips, <i>Thrips tabaci</i> (Thysanoptera: Thripidae) to Tracer	Dr. David Ben-Yakir
2014	*Ms. Meytar Elimelech	The whitefly <i>B. tabaci</i> ABC transporters and their relevance to insecticide resistance	Prof. Efraim Cohen
2014 in progress	*Mr. Bashir Abu-Farekh	Activity of extracts from medicinal plants against whiteflies, aphids and thrips	
2014 in progress	*Ms. Nadine Magal	Development of a molecular barcode for identification of immature stages of bark and wood pests	Dr. Neta Dorchin
2016 in progress	*Ms. Ola Jassar	Immune responses of psyllids to infection with bacteria of the genus <i>liberibacter</i>	

\*under my direct supervision

### C. Guidance of Ph.D. Students:

Graduation date	Name	Title of thesis	Guidance with
2010	*Mr. Assaf Mahadav	Genomic response of the whitefly <i>Bemisia tabaci</i> to different biotic and abiotic stress factors	Prof. Henryk Czosnek

2012	*Ms. Marina Brumin	Interactions between the whitefly <i>Bemisia tabaci</i> and its secondary endosymbiont <i>Rickettsia</i>	Dr. Maggie Levy
2012	*Marisa Skaljac	Status of bacterial symbionts of three whitefly species (hemiptera: aleyrodidae): <i>Bemisia tabaci</i> , <i>Trialeurodes vaporariorum</i> and <i>Siphoninus phillyreae</i> in Croatia, Montenegro and selected areas of Bosnia and Herzegovina	Dr. Katja Zanic
2014	Ms. Hofit Kol-Maimon	Inheritance in mealybugs and gene flow between two mealybug species	Prof. Zvi Mendel
2014	Ms. Malkie Spodek	Diversity, taxonomy and biology of scale insects (Hemiptera: Coccoidea) on oak trees in Israel, with an emphasis on the Kermesidae	Dr. Yair Ben-Dov
2014	Mr. Shahar Samra	Genetic differences between sympatric populations of <i>Ooencyrtus pityocampae</i> and its hosts: the pine processionary moth, <i>Thaumetopoea wilkinsoni</i> (Lepidoptera: Thaumetopoeidae) and <i>stenozygum coloratum</i> (Hemiptera: Pentatomidae) in pine forests of the East Mediterranean.	Prof. Zvi Mendel
2014	*Ms. Adi Kliot	Searching for insect and endosymbiont proteins involved in the circulative transmission of begomoviruses. Guidance with	Prof. Hanokh Czosnek
2014	* Mr. Ran Rosen	Molecular interactions between the whitefly <i>B. tabaci</i> and its bacterial endosymbionts	
2017 to date	Ms. Victoria Reingold	Biological and molecular interactions between entomopathogenic fungi and their insect hosts	

\*under my direct supervision

#### D. Post-Docs and Visiting Scientists:

Dates	Name	Research subject
2005-2009	Dr. Yuval Gottlieb-Dror	Identification of <i>B. tabaci</i> symbionts and their involvement in virus transmission
2012-2013	Dr. Julio Masaharu-Marubayashi	Identification of whitefly symbionts collected in Brazil
2012-2016	Dr. Britto Cathrin	Molecular interactions between <i>B. tabaci</i> and <i>Tomato yellow leaf curl virus</i> (TYLCV)
2014 - 2017	Dr. Kanakala Surapathrudu	RNA interference of whitefly genes for developmental arrest
2016 to date	Dr. Saptarshi Gosh	Polerovirus transmission by whiteflies
2016 - 2017	Dr. Fangfang Li	Role of aquaporins in psyllid biology and water homeostasis
2018 to date	Dr. Poulami Sarkar	Interactions between psyllids and bacteria of the genus <i>liberibacter</i>

#### E. Organization of Courses

Dates	Duration	Place	Title
2011 to date	4 weeks	Bet Dagan, Israel	CINADCO-MASHAV International course on Integrated Pest Management
2012	4 months	Bet Dagan, Israel	Course for Volcani Center engineers and technicians on Integrated Pest Management
2014	1 week	Cali, Columbia	Methods for detection of <i>Bemisia tabaci</i> symbionts and viruses in insects and plants

#### 4. Activity in Scientific and Agricultural Committees

##### A. International:

Dates	Description and role
2013 to date	Management Member of the International Committee for Plant Virus Epidemiology

##### B. National:

Dates	Description and role
2005-2009	The Ministry of Agriculture committee for certification and registration of new insecticides for use inside Israel. Plant Protection and Inspection Services (PPIS)
2009-2011	The Chief Scientist Research Proposal Evaluation Committee in Plant Protection Panel; Member
2009-2011	The Chief Scientist Research Proposal Evaluation Committee in Biotechnology Panel; Member
2012	The Chief Scientist Research Proposal Evaluation Committee in Plant Protection; Head
2012 to date	Extension Services Committee for evaluating extension research proposals

#### 5. Contribution to the Scientific Community

##### A. International:

Dates	Description
1/2007	Organization of an international workshop funded by the Safed Foundation on <i>Bemisia tabaci</i> : "Multitrophic interactions of <i>Bemisia tabaci</i> : Toward the development of innovative pest control methods". Safed, Israel.
5/2010	Co-organizer: Israeli-French workshop on insect pest genomics, Faculty of Agriculture, Rehovot, Israel.
6/2014	Organizer of a BARD-funded International Workshop on OMICS in vector Biology, University of California at Riverside, California, USA.
6/2014	Member of the organizing Committee of the second Hemipteran-Plant Interactions Symposium, University of California at Riverside, California, USA.

B. National:

<b>Dates</b>	<b>Description</b>
10/2010	Co-organizer: Entomological Society of Israel Annual Meeting. Bet Dagan, Israel
10/2010	Session organizer and chair: Entomological Society of Israel Annual meeting. Bet Dagan, Israel.
10/2014	Member of the Organizing Committee of the Entomological Society of Israel Annual Meeting. Bet Dagan, Israel

C. Editorial responsibilities:

<b>Dates</b>	<b>Description</b>
2011 to date	Editorial Board, World Journal of Virology
2012 to date	Academic Editor, PLOS ONE

## 6. Active Participation in Meetings

A. International:

<b>Date</b>	<b>Title of the Meeting</b>	<b>Place</b>	<b>Role</b>
2004	The 2 <sup>nd</sup> European Whitefly Symposium (Partial coverage of expenses)	Cavtat, Croatia	Invited lecture
2006	Biotechnology in Agriculture Symposium	Amman, Jordan	Participant
2006	Israel-France joint research symposium on sustainable agriculture	Lyon, France	Lecture
2006	4 <sup>th</sup> International <i>Bemisia</i> Workshop	Florida, USA	Lecture and Poster
2007	Status seminar, Israel-France joint research symposium on sustainable agriculture	Paris, France	Lecture
2007	Insect symbiosis workgroup meeting for EU FP7 grant planning and submission	Pavia, Italy	Lecture
2007	International Congress of Insect Biotechnology and Industry (Partial coverage of expenses)	Daegu, Republic of Korea	Invited Lecture
2007	Entomological Society of America annual meeting	San Diego, USA	Lecture
2008	Israel-France Status seminar on sustainable agriculture	Jerusalem, Israel	Lecture
2008	International Congress of Virology	Istanbul, Turkey	Lecture
2008	Plant interactions with aphids and other insects with piercing mouthparts	Wageningen, the Netherlands	Lecture
2009	6 <sup>th</sup> International IPM symposium (Partial coverage of expenses)	Oregon, Portland, USA	Invited Lecture
2009	<i>Bemisia tabaci</i> interactions with bacterial endosymbionts and viruses in Croatia (Partial coverage of expenses)	Split, Croatia	Invited lecture
2009	5 <sup>th</sup> international <i>Bemisia</i> workshop	Guangzhou, China	Lecture

2010	EMBO workshop, Genomic approaches to interactions between plant viruses, their hosts and their vectors	Fenestrelle, Italy	Lecture
2010	International symposium on future directions in <i>Bemisia</i> research (Full coverage of expenses)	Hangzhou, China	Invited lecture
2011	Entomological Society of America annual meeting	Reno, NV, USA	Invited lecture
2011	Electrical Penetrating Graph workshop	Curitiba, Brazil	Lecture
2011	Hemipteran-plant Interactions Symposium	Piracicaba, Brazil	Lecture
2011	Molecular Insect Science Symposium (Partial coverage of expenses)	Amsterdam, The Netherlands	Invited lecture
2011	Molecular Insect Science Symposium	Amsterdam, The Netherlands	2 Posters
2013	12 <sup>th</sup> International symposium on Plant virus Epidemiology symposium	Arusha, Tanzania	Lecture
2013	1 <sup>st</sup> International Whitefly Symposium	Crete, Greece	Invited lecture
2013	7 <sup>th</sup> International geminivirus symposium and 5 <sup>th</sup> international ssDNA comparative virology workshop (Partial coverage of expenses)	Hangzhou, China	Invited lecture
2013	<i>Bemisia</i> genome sequences meeting, Institute of Vegetables and Flowers, Chinese Academy of Agricultural Science (Full Coverage of expenses)	Beijing, China	Invited lecture and group discussion
2014	Sao Paulo congress of phytopathology (Full Coverage of expenses)	Sao Paulo, Brazil	Keynote lecture and additional two invited lectures
2014	Interactions between plant viruses, their arthropod vectors and endosymbionts. Universidad del Valle Cali, Colombia (Full coverage of expenses)	Cali, Columbia	Two invited lectures and course coordinator
2014	Second Hemipteran-Plant Interactions Symposium and OMICS in vector Biology workshop	Riverside, California, USA	Organizer
2015	Advances in Plant Virology, AAB	Birmingham, UK	Invited lecture
2016	International congress of entomology	Orlando, FL, USA	Invited lecture
2016	II International Whitefly Symposium	Arusha, Tanzania	Invited lecture
2016	XVII international society for molecular plant microbe interactions congress	Portland, OR, USA	
2017	IPlanta COST action meeting	Rome, Italy	Lecture
2017	3 <sup>rd</sup> Hemipteran Plant Interactions Symposium	Madrid, Spain	Lecture
2017	1 <sup>st</sup> International Congress on IPM	Changsha, China	Keynote lecture
2017	3 <sup>rd</sup> International Congress of Biological Invasions	Hangzhou, China	Keynote lecture
2018	Advances in Plant Virology	Birmingham, UK	Lecturer
2018	XI European Congress of Entomology	Napoli, Italy	Invited lecture
2018	International Congress of Plant Pathology	Boston, USA	Participant

2018	3 <sup>rd</sup> International Whitefly Symposium	Perth, Australia	Keynote lecture
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B. National:

<b>Date</b>	<b>Title of the Meeting</b>	<b>Place</b>	<b>Role</b>
2007	26 <sup>th</sup> Entomological Society of Israel annual meeting	Rehovot,	Participant and session chair
2008	Shaham Arava Region, course for plant protection inspectors, insecticides resistance	Hazeva,	Invited Lecture
2009	Dudu Harel memorial lecture in field crops, whiteflies and viruses	Nativ Halamed He	Invited Lecture
2008	Field Crops Board, growers winter meeting,	Megdall Hae`emek	Invited Lecture
2008	Fresh Herbs Board, plant protection meeting in fresh herbs, season summary	Bet Dagan	Invited Lecture
2009	Field Crops Board, growers summer meeting	Granot	Invited Lecture
2010	Shaham Galil and Golan region, research summary meeting on watermelons, chickpeas and sunflowers	Kyriat Shmona	Invited Lecture
2010	Field Crops Board, summary meeting for summer crops, whiteflies and viruses in field crops	Sha`ar Ha`amakim	Invited Lecture
2010	Summer field crops growers meeting, South and Negev farms	Gedera	Invited Lecture
2010	Field Crops Board, plant protection course in vegetables and field crops	Sde Elyahu	Invited Lecture
2010	Fresh Herbs Board Annual Meeting	Nativ Ha`asara	Invited Lecture
2010	Shaham Arava Region, plant protection course	Hazeva, Yair Station	Invited Lecture
2010	Rimi Insecticides Company, course in plant protection	Bet Dagan	Invited Lecture
2010	Entomological society of Israel annual meeting	Bet Dagan	Invited Lecture
2011	Integrated Pest Management course	Ein Bokek	Invited Lecture
2011	Fresh Herbs Board Annual Meeting	Bet Dagan	Invited Lecture
2012	Plant Protection and Inspection Services course.	Emek Hefer	Invited Lecture
2012	Course on pests in greenhouses of the Arava	Hazeva	Invited Lecture
2012	Fresh Herbs Board Annual Meeting	Bet Dagan	Invited Lecture
2013	Zorik Annual meeting on honeybees	Bet Dagan	Invited Lecture

2013	International Vegetables Growing and Marketing Course	Shefayim	Invited Lecture
2014	Plant Protection inspectors course in the Arava	Ein Bokek	Invited Lecture
2014	Gadot Agro Insecticides Company	Netzer Sereni	Invited Lecture
2014	Fresh Herbs Board Annual Meeting	Bet Dagan	Invited Lecture
2014	International Vegetables Growing and Marketing Course	Bet Dagan	Invited Lecture
2015	Plant protection course for growers and inspectors	Hagoshrim	Invited Lecture
2015	Plant protection course in greenhouses (vegetables and flowers)	Bet Dagan	Invited Lecture
2015	Plant Protection course for extension services	Bet Dagan	Invited Lecture

## 7. Research Grants

### A. International Competitive Grants:

Year	Granting Source	Duration (years)	Role*	Title (short)	Budget (US \$ / year)	
					Total	Researcher
2007	BARD	3	PI	Genomic, proteomic and cellular dissection of whitefly-geminivirus interactions	272,000	135,000
2007	GIF	3	CI	Identification of genes involved in circular transmission of begomoviruses in whiteflies	310,000	25,000
2008	BSF	4	PI	Comparative analysis of nicotine resistance in <i>Myzus persicae</i> and <i>Bemisia tabaci</i>	200,000	100,000

\*PI = Principal Investigator; LPI= Local Principal Investigator; CI = Cooperating Investigator

### B. National Competitive Grants:

Year	Granting Source	Duration (years)	Role*	Title (short)	Budget (US \$ / year)	
					Total	Researcher
2005	ISF	3	CI	Genetics of pheromone production in mealybugs	90,000	22,500
2006	Ministry of Science	2	PI	symbionts associated with <i>Bemisia tabaci</i>	60,000	30,000
2006	Chief Scientist	3	CI	Resistance management program for the pear psylla	40,000	10,000



2007	ISF	4	PI	Genomics of virus transmission by whiteflies and aphids	172,000	120,000
2007	Fresh Herbs Board	2	PI	Resistance management for thrips in chives	16,000	16,000
2007	Fresh Herbs Board	2	PI	Resistance management for <i>Bemisia tabaci</i> in herbs	36,000	36,000
2009	Chief Scientist - Biotechnology	3	PI	Exploring natural plant-defense mechanisms as a new strategy for pest control	129,000	78,000
2009	Chief Scientist-Fresh Herbs Board	3	PI	<i>Bemisia tabaci</i> biotype dynamics and resistance monitoring in fresh herbs	84,000	84,000
2009	Fresh Herbs Board	3	PI	Resistance management for thrips in chives	60,000	60,000
2009	Field crops Board	3	PI	Viruses in malali watermelons	12,000	12,000
2012	Chief Scientist – Plant Protection	3	PI	Increasing the levels of the lenolenic fatty acid in tomato plants for protection against insect pests	110,000	110,000
2012	ISF	3	PI	Molecular interactions between <i>Bemisia tabaci</i> and <i>Rickettsia</i>	156,000	156,000
2013	Shaham	1	PI	Resistance monitoring in the Arava	7,000	7,000
2013	Chief Scientist and carrot board	2	PI	Interactions between the carrot psyllid and the causative agent of yellowing in carrot	85,000	85,000
2013	Chief Scientist	3	CI	Molecular identification of bark beetles in Israel	115,000	30,000
2014	Chief Scientist and honey board	3	PI	Resistance monitoring on the varroa mite	120,000	120,000
2014	Fresh Herbs Board	1	PI	Resistance monitoring in the Jordan Valley	6,000	6,000
2015	Chief Scientist	3	PI	Response of sap sucking pests to phytoecdysteroids	129,000	86,000
2016	Chief Scientist	3	CI	Approaches for chemical control of the false codling moth	750,000	120,000
2018	Chief Scientist	3	PI	Using nanoparticles for improving root uptake and systemic movement of non-systemic pesticides	215,000	130,000
2018	Chief Scientist	3	CI	Development of bifunctional sol-gel	188,000	62,000

				nanoparticles for lure and kill management of insect pests		
2018	ISF	4	PI	Stress and endoplasmic reticulum-associated responses in psyllids that transmit bacteria of the genus <i>Liberibacter</i>	300,000	300,000

\*PI = Principal Investigator; LPI= Local Principal Investigator; CI = Cooperating Investigator

C. Other Funds:

Year	Granting Source	Duration (years)	Role*	Title (short)	Budget (US \$ / year)	
					Total	Researcher
2005	Makhteshim	3	PI	Evaluation of the activity of a new compound	20,000	20,000
2008	Makhteshim	3	PI	Evaluation of the activity of a new compound	240,000	240,000
2011	Makhteshim	1	PI	Flufenirim, a new insecticide, and its mode of action	80,000	80,000
2012	Makhteshim	1	PI	Flufenirim, a new insecticide, and its mode of action	21,500	21,500
2012	Merhav-Agro ltd	1	PI	Evaluation of new insecticides	8,000	8,000
2013	Stockton ltd	1	PI	Evaluation of new insecticides	2,000	2,000
2014	Makhteshim	1	PI	Evaluation of insecticides	6,000	6,000
2014	Efal ltd	1	PI	Evaluation of insecticides	1,500	1,500
2017	Makhteshim	1	PI	Evaluation of insecticides	30,000	30,000
2018	Adama	1	PI	Evaluation of insecticides	140,000	140,000

\*PI = Principal Investigator; LPI= Local Principal Investigator; CI = Cooperating Investigator

## 8. Awards

Dates	Description
2001	Ellis and Alma Birk scholarship, Hebrew University of Jerusalem.
2001	Canadian Couto Foundation scholarship, Hebrew University of Jerusalem.
2001	Binational Agricultural Research and Development Fund (BARD) postdoctoral fellowship.

**Part II: LIST OF PUBLICATIONS****1. Articles in Reviewed Journals**

1. **Ghanim, M.**, Morin, S., Zeidan, M. and Czosnek, H. (1998).  
Evidence for transovarial transmission of *Tomato yellow leaf curl virus* by its vector, the whitefly *Bemisia tabaci*.  
*Virology* 240: 295-303.
2. Morin, S., **Ghanim, M.**, Zeidan, M., Czosnek, H., Verbeek, M. and Van Den Huevel, J.F.J.M. (1999).  
A GroEL homologue from the endosymbiotic bacteria of *Bemisia tabaci* is associated with circulative transmission of *Tomato yellow leaf curl virus* (TYLCV-Is).  
*Virology* 256:75-84.
3. Muniyappa, V., Venkatesh, H. M., Ramappa, H. K., Kulkarni, R. S. Zeidan M., Tarba, C.-Y., **Ghanim, M.** and Czosnek, H. (2000).  
*Tomato leaf curl virus* from Bangalore (ToLCV-Ban4): sequence comparison with Indian ToLCV isolates, detection in plants and insects and vector relationships.  
*Arch. Virol.* 145:1583-1598.
4. Morin, S., **Ghanim, M.**, Sobol, I. and Czosnek, H. (2000).  
The GroEL protein of the whitefly *Bemisia tabaci* interacts with the coat protein of transmissible and non-transmissible begomoviruses in the yeast two-hybrid System.  
*Virology* 276: 404-416.
5. **Ghanim M.** and Czosnek H. (2000).  
*Tomato yellow leaf curl geminivirus* (TYLCV-Is) Is transmitted among whiteflies (*Bemisia tabaci*) in a sex-related manner.  
*J. Virol.* 74: 4738-4745.
6. **Ghanim M.**, Morin S. and Czosnek H. (2001).  
Rate of *Tomato yellow leaf curl virus* translocation in the circulative transmission pathway of its vector, the whitefly *Bemisia tabaci*.  
*Phytopathology* 91: 188-196.
7. **Ghanim, M.**, Rosell, R.C., Campbell, L.R., Czosnek, H., Brown, J.K. and Ullman, D.E. (2001).  
Digestive, salivary, and reproductive organs of *Bemisia tabaci* (Gennadius) (Hemiptera: Aleyrodidae) B type.  
*J. Morphol.* 248:22-40.
8. Czosnek, H., Ghanim, M. and **Ghanim, M.** (2002).  
The circulative pathway of begomoviruses in the whitefly vector *Bemisia tabaci*- insights from studies with *Tomato yellow leaf curl virus*.  
*Ann. Appl. Biol.* 140: 215-231.
9. Brown, J. K., Lambert, G. M., **Ghanim, M.**, Czosnek, H. and Galbraith, D. W. (2005).

Nuclear DNA content of the whitefly *Bemisia tabaci* (Genn.) (Aleyrodidae: Homoptera/Hemiptera) estimated by flow cytometry.  
*Bull. Entomol. Res.* 95:309-312.

10. Gottlieb, Y.,<sup>S</sup> **Ghanim, M.**, Chiel, E., Gerling, D., Portnoy, V., Steinberg, S., Tzuri, G., A. Horowitz, R., Belausov, E., Mozes-Daube, N., Kontsedalov, S., Gershon, M., Gal, S., Katzir, N. and Zchori-Fein, E. (2006).  
Identification and localization of a *Rickettsia* sp. in *Bemisia tabaci* (Homoptera: Aleyrodidae).  
*Appl. Environ. Microbiol.* 72: 3646–3652.
11. Leshkowitz, D., Gazit, S., Reuveni, E., **Ghanim, M.**, Czosnek, H., McKenzie, C., Shatters, R. L., Jr and Brown, J. K. (2006).  
Whitefly (*Bemisia tabaci*) genome project: analysis of sequenced clones from egg, instar, and adult (viruliferous and non-viruliferous) cDNA libraries.  
*BMC Genomics.* 7: 79.
12. **Ghanim, M.** and White, K. P. (2006).  
Genotyping method to screen individual *Drosophila* embryos prior to RNA extraction.  
*BioTechniques.* 41: 414-418.
13. **Ghanim, M.**, Dombrovsky, A. Raccah, B. and Sherman, A. (2006).  
A microarray approach identifies ANT, OS-D and takeout-like genes as differentially regulated in alate and apterous morphs of the green peach aphid *Myzus persicae* (Sulzer).  
*Insect Biochem. Mol. Biol.* 36: 857-868.
14. Hooper, S. D., Boue, S., Krause, R., Jensen, L. J., Mason, C. E., **Ghanim, M.**, White, K. P., Furlong, E. E. and Bork. P. (2007).  
Identification of tightly regulated groups of genes during *Drosophila melanogaster* embryogenesis.  
*Mol. Syst. Biol.* 3:72.
15. Cheil, E., Gottlieb, Y., Zchori-Fein, E., Mozes-Daube, N., Katzir, N., Inbar, M. and **Ghanim, M.** (2007).  
Biotype-dependent secondary symbiont communities in sympatric populations of *Bemisia tabaci*.  
*Bull. Entomol. Res.* 97: 407-413.
16. **Ghanim, M.** and Kontsedalov, S. (2007).  
Gene expression in pyriproxyfen resistant *Bemisia tabaci* Q biotype.  
*Pest Manag. Sci.* 63:776-783.
17. Wilson, M., Moshitzky, P., Laor, E., **Ghanim, M.**, Horowitz, A.R. and Morin, S. (2007).  
Reversal of resistance to pyriproxyfen in the Q biotype of *Bemisia tabaci* (Hemiptera: Aleyrodidae).  
*Pest Manag. Sci.* 63:761-768.
18. **Ghanim, M.**, Kontsedalov, S. and Czosnek, H. (2007).  
Tissue- specific gene silencing by RNA interference in the whitefly *Bemisia tabaci* (Gennadius).

*Insect Biochem. Mol. Biol.* 37: 732-738.

19. **Ghanim, M.**, Sobol, I., Ghanim, M. and Czosnek, H. (2007).  
Horizontal transmission of begomoviruses between *Bemisia tabaci* biotypes.  
*Arthropod-Plant Interactions*. 1:195-204.
20. Pasquini, G., Barba, M., Hadidi, A., Faggioli, F., Negri, R., Sobol, I., Tiberini, A., Caglyan, K., Mazyad, H., Anfoka, G., **Ghanim, M.**, Zeidan, M. and Czosnek, H. (2007).  
Oligonucleotide Microarray-based detection and genotyping of *Plum pox virus*.  
*J. Virol. Methods*. 147:118-126.
21. Shah, P.K., Tripathi, P.L., Jensen, L.J., **Ghanim, M.**, Mason, C., Furlong, E.E., Rodrigues, V., White, K.P., Bork, P. and Sowdhamini, R. (2008).  
Enhanced Function Annotations for *Drosophila* Serine Proteases: A case study for systematic annotation of multi-member gene families.  
*Gene*. 407:199-215.
22. Gottlieb, Y., **Ghanim, M.**, Gueguen, G., Kontsedalov, S., Vavre, F., Fleury, F. and Zchori-Fein, E. (2008).  
Inherited intracellular ecosystem: symbiotic bacteria share bacteriocytes in whiteflies.  
*FASEB J*. 22: 2591-9.
23. Mahadav, A., Gerling, D., Gottlieb, Y., Czosnek, H. and **Ghanim, M.** (2008).  
Parasitization by the wasp *Eretmocerus mundus* induces transcription of genes related to immune response and symbiotic bacteria proliferation in the whitefly *Bemisia tabaci*.  
*BMC Genomics*, 9:342.
24. Kontsedalov, S., Zchori-Fein, E., Chiel, E., Gottlieb, Y., Inbar M. and **Ghanim, M.** (2008).  
The presence of *Rickettsia* is associated with increased susceptibility of *Bemisia tabaci* (Homoptera: Aleyrodidae) to insecticides.  
*Pest Manag. Sci.* 64: 789-92.
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