

Ada Eban-Rothschild, PhD

Personal Details

Date of birth: November 16, 1980

Place of birth: Jerusalem, Israel

Marital status: Married + 2 children

Current work address: Department of Psychiatry and Behavioral Sciences, 1201 Welch Rd. Stanford University, CA 94305

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Education and research experience

2012- present

Postdoctoral fellow

Stanford University school of Medicine. Department of Psychiatry and Behavioral Sciences.

Advisor: Prof. Luis de Lecea

2004-2011

Ph.D. student (Direct Ph.D. program)

The Hebrew University of Jerusalem, Department of Evolution, Systematics, and Ecology, Israel

Social influences on circadian rhythms and sleep in bees

Advisor: Prof. Guy Bloch

2000-2003

B.Sc. student in Life sciences

The Hebrew University of Jerusalem, Israel

Publications

Research papers:

1. **Eban-Rothschild, A.**, Shemesh, Y. and Bloch, G. (2012) The colony environment, but not direct contact with conspecifics, influences the development of circadian rhythms in honey bees. *Journal of Biological Rhythms*. **27**, 217-225.
2. **Eban-Rothschild, A.**, Belluci, S. and Bloch G. (2011) Maternity-related plasticity in circadian rhythms of bumble-bee queens. *Proceedings of the Royal Society B*. **278**, 3510-3516.

3. Shemesh, Y., **Eban-Rothschild, A.**, Cohen, M. and Bloch G. (2010) Molecular dynamics and social regulation of context-dependent plasticity in the circadian clockwork of the honey bee. *The Journal of Neuroscience* **30**, 12517-12525. (Highlighted by a news release of the Society for Neuroscience, an article in "The Journal of Experimental Biology" by Katherine Parisky, an article in "Scientific American" by Carey Goldberg and an article in "Science Daily").
4. **Eban-Rothschild, A.D.** and Bloch G. (2008) Differences in the sleep architecture of forager and young honeybees (*Apis mellifera*). *Journal of Experimental Biology* **211**, 2408 -2416. (Highlighted in "*Inside JEB*", by Kathryn Phillips).

Reviews and book chapters:

1. **Eban-Rothschild, A.** and Bloch, G. Social influences on circadian rhythms and sleep in insects. *Advances in Genetics* **77**, 1-32.
2. **Eban-Rothschild, A.** and Bloch G (2012) Circadian rhythms and sleep in honey bees. In *Honeybee Neurobiology and Behavior: A tribute to Randolph Menzel*, GC Galizia, D Eisenhardt and M Giurfa, Eds, pp 31-46, Springer Dordrecht Heidelberg London New York.

Oral presentations:

1. Bloch G. and **Eban-Rothschild, A.** (2011) Brood-related plasticity in circadian rhythms of bumble bee queens. The Third World Congress of Chronobiology, Puebla, Mexico.
2. **Eban-Rothschild, A.**, Belluci, S. and Bloch G. (2010) Maternity-related plasticity in circadian rhythms of bumble bee queens. Meeting of the International Union for the Study of Social Insects, Copenhagen, Denmark.
3. **Eban-Rothschild, A.D.**, Belluci, S. and G. Bloch. (2009) Maternal behavior and the clock - the influence of brood on circadian rhythms in bumblebee queens. Annual Meeting of the Entomological Society of Israel, Tel-Aviv, Israel.
4. **Eban-Rothschild, A.**, Shemesh, Y. and G. Bloch. (2008) Environmental influences on the developments of sleep and circadian rhythms in honey bee (*Apis mellifera*). Annual Meeting of the Zoological Society of Israel, Ranana, Israel.
5. **Eban, A.D.** and G. Bloch. (2007) Age related variation in sleep-like behavior in the honeybee *Apis mellifera*. Annual meeting of the Entomological Society of Israel, Rechovot, Israel.
6. **Eban, A.D.** and G. Bloch. (2006) Division of labor and sleep regulation in the honeybee *Apis mellifera*. Annual meeting of the Zoological Society of Israel, Ranana, Israel.

Poster presentations:

1. **Eban-Rothschild, A.**, Shemesh, Y. and Bloch, G. (2010) The influence of the social environment during early life on sleep and circadian rhythms in honey

- bees. Theoretical models in Ecology, Evolution, and Behavior: recent advances and conceptual issues, Jerusalem, Israel.
2. **Eban-Rothschild, A.**, Shemesh, Y. and Bloch, G. (2009) The influence of the social environment during early life on sleep and circadian rhythms in honey bees. Meeting on "Sleep in non-mammalian models", Howard Hughes Medical Institute, Janelia Farm Research Campus, Ashburn, VA, USA.
 3. **Eban-Rothschild, A.** and G. Bloch (2008) Differences in the sleep architecture of forager and young honeybees (*Apis mellifera*). Annual Meeting of the Society for Neuroscience, Washington DC, USA.

Awards/Fellowships

2011 ELSC postdoctoral fellowship

2010 The Zoological Society of Israel travel award

2009 Israeli Entomological Society prize for second best lecture in the annual conference

2008 The National Institute for Psychobiology travel award

2006-2010 The Life sciences scholarship for excellent PhD students

2004-2005 The Life sciences scholarship for excellent M.Sc. students

Professional Activities

Reviewer for the journal "Proceedings of the Royal society B"

F1000 Associate Faculty Member