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Email: mfszwed at gmail dot com
Year of birth: 1976
Citizenship: Polish
Marital status: Married, father of Nina (5 years) and Vera (2 years)

EDUCATION AND RESEARCH EXPERIENCE

- 2007-present Postdoc, Stanislas Dehaene Lab (Inserm Cognitive Neuroimaging Unit), NeuroSpin, Saclay and Paris, France. fMRI imaging of visual word perception.
- 2000-2006 PhD, Department of Neurobiology, Weizmann Institute of Science, Rehovot, Israel. Thesis: "Encoding of object location during active touch". Supervisor: Ehud Ahissar. PhD committee: Rafael Malach, Amos Arieli. Submitted: October 2005; Awarded: May 2006.
- 1994-1999 MSc with Honours, Biology Program, Jagiellonian University, Kraków, Poland. Thesis: "Nuclear localization mechanisms of STAT3 transcription factor", Tutor: Tomasz Kordula

Other Training

- 2006-2007 Postdoc, Unité de Neurosciences Intégratives et Computationnelles, CNRS, Gif sur Yvette, France. 1 year.
- 2003 Visiting Researcher in H.P. Zeigler Lab, Dept of Psychology, CUNY, New York, NY, USA. 6 months.
- 2001 IBRO EU Advanced Course in Computational Neuroscience, Trieste, Italy. 4 weeks.
- 1999 Exchange student at Boston College, Boston, MA, USA. 6 months.
- 1998 Exchange student at the Pasteur Institute, Paris, 6 months.
- 1995-1996 Student at the State University of New York at Stony Brook, NY, USA. 1 year.

PUBLICATIONS

Reich, L., Szwed, M., Cohen, L., Amedi, A. "Reading in the dark: A reading center in the visual cortex without visual experience?" *Submitted*

Szwed, M., Ventura, P., Querido, L., Cohen, L., Dehaene, S. "Reading acquisition enhances

an early visual process of contour integration.” *Submitted*

Szwed, M., Dehaene, S., Eger E., Kleinschmidt A., Valabregue R., Amadon A., Cohen L.
“Specialization for written words over objects in the visual cortex”. *Re-submitted*

Qiao, E., Vinckier, F., Szwed, M., Naccache, L., Valabrègue, R., Dehaene, S., Cohen, L. “Visual processing of handwritten words”. *Neuroimage* (2010) 49(2):1786-99.

Szwed, M., Cohen, L., Qiao, E., Dehaene, S. “The role of invariant line junctions in object and visual word recognition”. *Vision Research* (2009) 49(7):718-25

Szwed M., Ahissar E., “Mapping the gates” *Journal of Neurophysiology* (2006), 95: 2729-30

Szwed, M., Bagdasarian, K., Blumenfeld, B., Barak, O., Derdikman, D., Ahissar, E. “Responses of trigeminal ganglion neurons to the radial distance of contact during active vibrissal touch” *Journal of Neurophysiology* (2006) 95(2): 791-802

Derdikman D., Szwed M., Bagdasarian K., Knutsen PM., Pietr M., Yu C., Arieli A., Ahissar E.
“Active construction of percepts about object location” *Novartis Foundation Symposia*. 2006; 270:4-14; discussion 14-7, 51-8.

Derdikman D., Szwed M., Knutsen PM., Pietr M., Yu C., Bagdasarian K., Ahissar E. “The active nature of somatosensory temporal processing” chapter in “Temporal Processing in the Nervous System”, Ellen Covey (ed.). Kluwer Academic/Plenum Publishers. (2006)

Bermejo, R., Szwed, M., (first co-authors) Friedman, W., Ahissar, E., and Zeigler, H.P. “One whisker whisking: Unit recording during conditioned whisking in rats” *Somatosensory and Motor Research* (2004) 21(3-4):183-187.

Szwed, M., Bagdasarian, K., Ahissar, E. "Encoding of vibrissal active touch" *Neuron* (2003) 40(3): 621-30.

Sobota, R., Szwed, M., (first co-authors) Kasza, A., Bugno, M., and Kordula, T. “Parthenolide Inhibits activation of Signal Transducers and Activators of Transcription (STATs) induced by cytokines of the IL-6 family” *Biochemical and Biophysical Research Communications* (2000) 267(1):329-333.

SCHOLARSHIPS, AWARDS AND EDITORIAL DUTIES

2007-present Human Frontier Science Program Long term fellow

2006-2007 Marie Curie Fellow (Individual Intra-European Fellowship)

1998 French Government Scholar (Bourse de stage)

1993 Member of MENSA International. IQ: 172