

Noga Cohen

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EDUCATION

2004-2007	BSc	The Hebrew University Jerusalem, Psychology and Biology.
2007-2009	MA	Ben-Gurion University of the Negev, Department of Psychology, Clinical Psychology. Advisor: Prof. Avishai Henik Title: Emotion and the Attentional Networks.
2009-2013	PhD	Ben-Gurion University of the Negev, Department of Psychology. Advisor: Prof. Avishai Henik Title: Can Emotion Modulate Attention or is it the Other Way Around?
2013-2016	Postdoc	Weizmann Institute of Science, Department of Neurobiology. Advisors: Prof. Yadin Dudai and Prof. Rony Paz Supported by the EP7 Human Brain Project.
2016-current	Postdoc	Columbia University, Department of Psychology. Advisor: Prof. Kevin Ochsner Supported by the Fulbright and ISF fellowships.

EMPLOYMENT HISTORY

2006-2007	Research Assistant, Cognition and Emotion Lab, Hebrew University.
2007-2012	Teaching Assistant, Achva Academic College, under the academic auspices of Ben-Gurion University of the Negev.
2008-2010	Teaching Assistant, Department of Behavioral Sciences, Ben-Gurion University of the Negev.
2008-2012	Diagnostician of Attention and Learning Disabilities in the Ella Institute (under the auspices of the National Institute for Testing and Evaluation).
2008-2013	National Institute for Testing and Evaluation (NITE). Writing and editing test questions on statistics and experimental methodology.
2010-2013	Lecturer in the "Negishut" program for high-school students.
2012-2013	Lecturer at the Psychology Department, Ben-Gurion University of the Negev, Israel.
2010-2016	Lecturer and seminar instructor at the Psychology and Education Departments, The Open University, Israel.
2014-2015	Lecturer at the Psychology Department, Ben-Gurion University of the Negev, Israel.

RESEARCH INTERESTS

I am interested in the relationship between cognitive control and emotion and how their regulatory interactions are influenced by training and learning. Understanding the mechanisms by which cognitive and emotion regulation training change emotional behavior, physiological reactions and neural responses, is essential for the development of efficient interventions for individuals with mental disorders. My research thus far included behavioral, psychophysiological (mainly Eye-Traking) and fMRI methods, that were applied on both healthy and clinical populations.

METHODS

I have expertise in programming and analyzing behavioral, fMRI, and psychophysiological paradigms and assessing individual differences using questionnaires. In addition, I have experience with clinical fMRI testing of patients with brain lesions. I have worked with various software programs including MATLAB, Psychtoolbox, E-PRIME, SPM, Brain-Voyager, FSL, AFNI, Experiment-Builder & DataViewer (SR research - Eye-Link), Presentation, SPSS, STATISTICA, Media-Lab & Direct RT. I am also familiar with Linux environment.

PROFESSIONAL EXPERIENCE AND TRAINING

2009-2010	ERP course (Prof. Andrea Berger), Ben-Gurion University of the Negev, Israel.
2010-2011	fMRI course (Dr. Galia Avidan), Ben-Gurion University of the Negev, Israel.
2010-2013	Clinical testing of pre-surgical patients using fMRI, Soroka Medical Center, Beer-Sheva, Israel.
2011-2012	Course in computational modeling of cognitive processes (Prof. Marius Usher), Tel-Aviv University, Israel.
April-July 2012	Visiting researcher at the Department of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany, with Dr. Hadas Okon-Singer (affective neuroscience), Dr. Daniel Margulies (functional connectivity – resting state fMRI), Dr. Marco Teubert (training effects on gray matter volume) and Prof. Dr. Arno Villringer (director of the Neurology Department).
July 2014	Neuroimaging Training program (NITP) summer school, UCLA, USA.
September 2014	The Visceral Mind Summer School, Bangor, UK.

CLINICAL EXPERIENCE

2005-2006	Volunteer in a psychiatric day-hospitalization ward for youths under the auspices of Hadassah Hospital, Jerusalem, Israel.
2007-2008	Practitioner for clinical psychology, for children and youths, Mercaz Tal, Beer-Sheva, Israel.
2008-2009	Practitioner for clinical psychology, for adults, Beer-Sheva Psychiatric Hospital, Israel.

EDUCATIONAL ACTIVITIES

Teaching Assistant in Courses:

Introduction to Statistics, Inferential Statistics, Statistics A, Statistics B, Cognitive Neuropsychology.

Lecturer in Courses:

Learning, Emotion and Cognition, Sleeping Disorders in the Childhood, Reading – from Theory to Practice, Reading Disorders, Attention Deficit Disorder.

MILITARY SERVICE

2000-2002 Military service in the Israeli Defense Forces (Signal Corps).

COMMUNITY SERVICE AND LEADERSHIP

2001-2002 During my military service I was appointed to be a commander of 5 soldiers. I was responsible for their training and for managing the classified equipment of the unit.

2004-2006 I participated in the Israeli social project PERACH. I was responsible for tutoring several pupils from a low socio-economic status who experienced behavior problems.

2012-2013 I formed a forum entitled "emotion and cognition" with another PhD student. The forum was designated for graduate students and faculty members who were interested in research on the links between emotion and cognition.

AWARDS AND FELLOWSHIPS

2004-2005	Dean's Scholar Award, Hebrew University, Israel.
2004-2006	Rosalind Henwood Foundation Award (received for 2 years of B.Sc. studies; 40,000 NIS).
2009-2013	Ohayon Scholarship for Doctoral Studies (received for 4 years of PhD; 66,528 NIS).
2010-2011	Chair Award for Excellence (1,000 NIS), Ben-Gurion University of the Negev, Israel.
March 2012	Boehringer Ingelheim Fonds Travel Grant (cancelled due to duplicate funding; 1,100 EURO).
March 2012	Minerva Short-Term Travel Grant (postponed due to duplicate funding; 2,700 EURO).
March 2012	IBRO-CEERC-WERC In Europe Short Stay Fellowship 2011-12 Programme (2,700 EURO).
April-July 2012	German Academic Exchange Service (DAAD), research grants for doctoral candidates and young academics and scientists (3,700 EURO).
2012-2013	Chair Award for Excellence (1,000 NIS + entitlement to administer a workshop), Ben-Gurion University of the Negev, Israel.
2012-2013	Marian Amir Award for Excellence, Ben-Gurion University of the Negev, Israel (1,000 \$).
2013	Dean's Award for PhD, Ben-Gurion University of the Negev, Israel.
2013-2014	Chair Award for Excellence, Ben-Gurion University of the Negev, Israel.
July 2013	Minerva Short-Term Travel Grant (1,650 EURO).
2016	Fulbright Postdoctoral Fellowship (37,000 \$).
2016-2017	Israel Science Foundation (ISF) Postdoctoral Fellowship (155,000 NIS per year)
2016-2017	Israeli Council for Higher Education Postdoctoral Fellowship (advancing women in science; 20,000 \$ per year)

PROFESSIONAL ACTIVITIES

Ad Hoc Reviewer:

Journals

Clinical Psychological Science (CPS), NeuroImage, Biological Psychology, Cognition and Emotion, Emotion, Social Cognitive and Affective Neuroscience (SCAN), Motivation and Emotion, Frontiers in Integrative Neuroscience, Frontiers in Psychology, PLOS ONE, Psychological Research, Quarterly Journal of Experimental Psychology (QJEP).

Grants

Postdoctoral Fellowship the Research Foundation - Flanders (Fonds Wetenschappelijk Onderzoek - Vlaanderen, FWO).

National Science Center in Poland.

Symposium Organization:

Control of Emotional Reactions. Organized with Hadas Okon-Singer. Speakers: Christine L. Larson, Julia Vogt, Luke J. Chang, Carien van Reekum, Nazanin Derakhshan, Tatjana Aue. The 18th ESCoP conference, Budapest, Hungary, August 2013.

Society Membership:

Social and Affective Neuroscience (SAN), Society for Affective Science (SAS), Psychonomic Society, International Brain Research Organization (IBRO), Israeli Society for Neuroscience (ISFN), Association for Psychological Science (APS).

SCIENTIFIC PUBLICATIONS AND CONFERENCE PRESENTATIONS

Published articles:

Cohen, N., Henik, A., & Mor, N. (2011). Can emotion modulate attention? Evidence for reciprocal links in the attentional networks test. *Experimental Psychology*, 58, 171-179.

Cohen, N., & Henik, A. (2012). Do irrelevant emotional stimuli impair or improve executive control? *Frontiers in Integrative Neuroscience*, 6, 33.

Cohen, N., Henik, A. & Moyal, N. (2012). Executive control attenuates emotional effects – for high reappraisers only? *Emotion*, 12, 970-979.

Kalanthroff*, E., Cohen*, N., & Henik, A. (2013). Stop feeling: Inhibition of emotional interference following stop-signal trials. *Frontiers in Human Neuroscience*, 7:78.

Okon-Singer, H., Lichtenstein-Vidne, L. & Cohen, N. (2013). Dynamic modulation of emotional processing. *Biological Psychology*, 92, 480-491.

Gabay*, S., Pertzov*, Y., Cohen, N., Avidan, G., & Henik, A. (2013). Remapping of the environment without corollary discharges: Evidence from scene-based IOR. *Journal of vision*, 13:22, 1-10.

Cohen, N., Daches, S., Mor, N., & Henik., A. (2014). Inhibition of negative content – a shared process in rumination and reappraisal. *Frontiers in Emotion Science*, 5:622.

Cohen, N., Mor, N., & Henik, A. (2015). Training to link executive control and emotion – A training procedure to reduce rumination. *Clinical Psychological Science*, 3, 15-25.

Cohen, N., Pell, L., Edelson, M.G., Ben-Yakov, A., Pine, A., & Dudai, Y. (2015). Peri-encoding predictors of memory encoding and consolidation. *Neuroscience and Biobehavioral Reviews*, 50, 128-142.

Aisenberg, D., Cohen N., Pick, H., Tressman, I., Rappaport, M., Shenberg, M., & Henik, A. (2015) Social priming improves cognitive control in elderly adults– Evidence from the Simon task. *PloS one*, 10, e0117151.

Moyal, N., Cohen, N., Henik, A., & Anholt, G.E. (2015). Emotion regulation as a main mechanism of change in psychotherapy. *The Behavioral and brain sciences*, 38, e18-e18.

Cohen, N., Moyal, N., Henik., A. (2015). Executive control suppresses pupillary responses to aversive stimuli. *Biological Psychology*, 112, 1-11.

Cohen, N., Moyal, N., & Henik, A. (2016). Explicit vs. implicit emotional processing: The interaction between processing type and executive control. *Cognition & Emotion*, *30*, 325-339.

Cohen, N., Ashkenazi, S., Margulies, D., Shafer, A., Taubert, M., Villringer, A., Henik, A., & Okon-Singer, H. (2016). Using executive control training to suppress amygdala reactivity to aversive information. *NeuroImage*, *125*, 1022–1031.

Leibovich*, T., Cohen*, N., & Henik, A. (2016). Itsy bitsy spider?: Valence and self-relevance predict size estimation. *Biological Psychology* (in press).

Lichtenstein-Vidne, L., Gabay, S., Cohen, N., & Henik, A. (2016). Lateralization of emotions: Evidence from pupil size measurement. *Cognition & Emotion* (in press).

Lichtenstein-Vidne, L., Okon-Singer, H., Cohen, N., Toder, D., Nemets, B., & Henik, A. (2016). Attentional bias in clinical depression and anxiety: The impact of emotional and non-emotional distracting information. *Biological Psychology* (in press).

Fruchtman-Steinbok, T., Salzer, Y., Henik, A., & Cohen, N. (2016). The interaction between emotion and executive control - comparison between visual, auditory and tactile modalities. *The Quarterly Journal of Experimental Psychology* (in press).

Submitted articles:

Cohen*, N., Ben-Yakov*, A., Edelson, M.G., Paz, R., & Dudai, Y. (under review, Journal of Neuroscience). Prestimulus activity in the human dorsal anterior insula predicts subsequent memory.

Cohen, N., & Mor, N. (under review, Emotion). Enhancing reappraisal by linking executive control and emotion.

In preparation:

Lichtenstein-Vidne, L., Cohen, N., Okon-Singer, H., & Henik, A. (in preparation). Distracting, but relevant: The impact of scene vs. face distractors on attention.

*equal contribution

Presentation of posters at conferences:

Cohen, N., Henik, A., & Mor, N. (2009). Can emotion modulate attention or is it the other way around? Presented at the XVI ESCoP Conference, Krakow, Poland, September (*Abstract p. 115*).

Cohen, N., & Henik, A. (2010). Can attention modulate emotion? Presented at the 17th CNS Conference, Montreal, Canada, April (*Abstract p. 99*).

Cohen, N., & Henik, A. (2011). Emotional response is attenuated after conflict resolution processes are activated - Evidence from pupillary dilation measures. (2011). Presented at the 18th CNS Conference, San Francisco, USA, April (*Abstract p. 114-115*).

Cohen, N., & Henik, A. (2011). Decreased autonomic response for emotional stimuli following activation of executive attention processes. Presented at the 20th ISFN Annual Meeting, Eilat, Israel, December (*Abstract p. 27*).

Cohen, N., Leibovich T., & Henik, A. (2012). Itsy bitsy spider? Individual differences modulate mental representation of size. Presented at the 1th ESCAN Conference, Marseille, France, May (*Abstract p. 79*).

Cohen N., & Henik, A. (2012). Executive control attenuates emotion. Presented at the 1th Social Psychology Annual Meeting, Jerusalem, Israel, December.

Cohen, N., & Henik, A. (2013). Automatic emotion regulation: A role for executive control. Presented at the "Emotional, All To Emotional" conference, Tel-Aviv University, Israel, March.

Cohen, N., Mor., N., & Henik, A. (2013). Training to link executive control and emotion ameliorates rumination. Presented at the 25th APS conference, Washington DC, USA, May.

Cohen, N., Margulies, D., Taubert, M., Schäfer, A., Ashkenazi, S., Henik, A., Villringer, A., & Okon-Singer, H. (2013). The neural basis of emotion regulation: Plastic effects following training of executive control. Presented at the 3rd IMPRS NeuroCom Summer School, Leipzig, Germany, July.

Cohen, N., & Henik, A. (2014). Automatic emotion regulation: A role for executive control. Presented at the first Conference on Cognition Research of the Israeli Society for Cognitive Psychology (ISCOP), Akko (Acre), Israel, February.

Talks at conferences:

Cohen, N., & Henik, A. (2012). Automatic emotion regulation – A role for executive control. Presented at the Israeli Neuropsychological Conference, Israel, Bar-Ilan University, February.

Mor, N., & Cohen, N. (2012). Training to link executive control and emotion – A training procedure to reduce rumination and increase reappraisal. Presented at the 42nd EABCT conference, Geneva, Switzerland, August.

Cohen N., & Henik, A. (2012). Stop feeling: Executive control attenuates emotional effects. Presented at the 21th ISFN Annual Meeting, Eilat, Israel, December (*Abstract p. 24*).

Cohen, N., & Henik, A. (2013). Automatic emotion regulation: A role for executive control. Presented at the "Emotional, All To Emotional" conference, Tel-Aviv University, Israel, March (winning poster for Flash Presentation).

Cohen, N., Leibovich, T., & Henik, A. (2013). Size is in the eyes of the beholder: Relevance-specific bias in those afraid of spiders. Presented at the 18th ESCoP conference, Budapest, Hungary, August (*Abstract p. 91*).

Cohen, N., Ben-Yakov, A., Paz, R., & Dudai, Y. (2014) Pre-encoding activity predicts memory outcomes. Presented at the 23rd ISFN conference, Eilat, Israel, December.

Cohen, N., Ben-Yakov, A., Paz, R., & Dudai, Y. (2015) Pre-encoding activity in the anterior insula predicts memory outcomes. Presented in the 2nd ISCOP conference, Acco, Israel, February.

Cohen, N. (2015). Executive control training reduces amygdala activity and increases emotion regulation abilities. Presented at the "Pathways to resilience: Training executive control and its implications for psychopathology" symposium, International Convention of Psychological Science (ICPS), Amsterdam, Netherlands, March.

Invited talks:

Cohen, N., & Henik, A. (2013). Automatic emotion regulation – A role for executive control. Presented at the Social Psychology colloquium, The Hebrew University, Jerusalem, Israel, May.

Cohen, N., & Henik, A. (2013). Automatic emotion regulation – A role for executive control. Presented at the Cognitive Neuroscience Lab supervised by Prof. Marlene Behrmann, Department of Psychology, Carnegie Mellon University, Pittsburgh, USA, May.

Cohen, N., & Henik, A. (2013). Automatic emotion regulation – A role for executive control. Presented at the Emotion Cohort supervised by Prof. Arno Villringer, Department of Neurology, Max Planck for Human Cognitive and Brain Sciences, Leipzig, Germany, July.

Cohen, N. (2014). Using cognitive methods to improve emotion regulation skills. Presented at the Israeli Mental Health Conference, Caesarea, Israel, November.

Cohen, N. (2015) Using executive control to regulate emotions. Presented at the Department of Experimental Psychology, Ghent University, March.

Cohen, N., (2015). Using executive control to regulate emotions. Presented at the Neuropsychology colloquium, Haifa University, Haifa, Israel, June.