

# Curriculum Vitae – Dr Gal Raz, PhD

<b>Date of Birth:</b>	31/12/1975	<b>Country of Birth:</b>	Israel
<b>Marital Status:</b>	Married + 3	<b>Address:</b>	Kfar Daniel 253
<b>E-Mail:</b>	galraz@post.tau.ac.il	<b>Home Tel. No:</b>	08-6843964

## Education

### Academic Qualifications:

2001 B.A. in Film and Television studies, Tel Aviv University  
(Magna cum laude)

2005 B.A. in Biology, Tel Aviv University (Magna cum laude)

2007 M.A. at the Unit of Culture Research, Tel Aviv University  
(Summa cum laude)  
Subject of Thesis: Relative Feminine Dominance in  
Epigenetic Inheritance Research  
Supervisors: Prof. Eva Jablonka and Dr. Snait Gissis

2013 PhD. at the Graduate School of Medicine, Tel Aviv  
University.  
Subject of Research: Neural Markers of Cinematic Emotion  
Experience - The Role of interregional Coupling Dynamics  
Supervisor: Prof. Talma Hendler

## Academic and Professional Experience

### Teaching Experience (Tel Aviv University):

- 2001-2006 Tutorial: Television and Media Studies
- 2002-2005 Tutorial: Cinematic Expression
- 2002-2006 Teaching assistant: Television and Media Studies, Cinematic Expression I and II
- 2009-2012 Class: Emotion, Brain and Cinema
- 2013-2014, 2016 Class: Neuroaesthetic and Cinema
- 2014, 2016 Class: Introduction to cognitive theories of motion pictures
- 2016 Class: Between Film and Gaming

### Other Professional Academic Experience (Tel Aviv University):

- 2002 Research assistant of Dr. Alina Bernstein, Department of Film and Television
- 2002 Producer of the 4th Tel Aviv International Colloquium in Cinema Studies: *Why War*
- 2002 Associate editor Producer of the 4th Tel Aviv International Colloquium in Cinema Studies: *Why War*
- 2002-2004 Producer of a journal of graduating film and television students - "Shura Rishona"
- 2002-2003 Coordinator of a Special Issue of the journal *Shofar* on Jewish Cinema
- 2007 Research assistant of Prof. Eva Jablonka, Cohn Institute for the History and Philosophy of Science and Ideas
- 2009- 2011 Associate editor of the anthology *Just Image: Ethics and the Cinematic*
- 2014- 2015 Post-doc research position, Psychology and Neuroscience Faculty, Maastricht University

## Invited Lectures and Scientific Meetings

Year	Name of Meeting, City, Country	Detailed Activity (Poster/Lecture/Organizing etc.)
2010	The Eight Tel-Aviv International Colloquium on Cinema and Television Studies, Israel	Lecture
2012	CCCT Summer School on Film-Game-Emotion-Brain, Amsterdam University, Netherlands	Summer School lecture
2012	How Movies Move Us? Tel-Aviv University, Israel	Special lecture      symposium
2012	5th Annual Meeting of the Social & Affective Neuroscience Society, New-York, USA.	Poster
2012	1st Brain Plasticity Symposium, Tel-Aviv, Israel.	Poster
2012	Organization for Human Brain Mapping conference Beijing, China.	Poster
2013	Emotional, All Too Emotional: Neuroscience Views of Affect and Regulation, Tel-Aviv University, Israel	Lecture
2013	BrainTech Israel, Tel-Aviv.	Poster
2013	Social & Affective Neuroscience Society Annual Meeting, San Francisco, USA.	Poster
2013	19th Annual Meeting of the Organization for Human Brain Mapping, Seattle, USA.	Poster
2013	Society for Cognitive Studies of the Moving Image (SCSMI) conference, Berlin.	Lecture (with Ed Tan, Tim Smith, and Sergio Benini)

- |      |   |  |
|------|---|--|
| 2014 | The Tenth Tel-Aviv International Colloquium on Cinema and Television Studies, Israel                          | Lecture  |
| 2015 | An event by the British Film Institute: More Than a Feeling: How Your Brain Responds to Romance at the Movies | Invited talk                                       |
| 2015 | Brain Screens: Interfacing Motion Pictures and Neuroscience (symposium), Tel Aviv University                  | Lecture (with Talma Hendler)                       |
| 2016 | Steamer Salon - Virtual Reality Film Festival & Lab   | Lecture (with Talma Hendler)                       |
| 2016 | Presentation at the Israeli pavilion at Cannes Film Festival  | Invited talk                                       |
| 2016 | Society for Cognitive Studies of the Moving Image (SCSMI) conference, Ithaca, NY.                             | Lecture (with Andras Kovacs and Giancarlo Valente) |
| 2016 | The Eleventh Tel-Aviv International Colloquium on Cinema and Television Studies, Israel                       | Lecture (with Tal Gonen and Ofir Shany)            |

## **Academic and Professional Awards**

2008 Honorable mention by the Israel Society for History & Philosophy of Science in memory of Prof. Mara Beller for outstanding M.A. work.

2011 Dan David scholarship award for doctoral students.

## **Membership in Professional Societies**

Society for Cognitive Studies of the Moving Image (SCSMI), 2014.

## **Scientific Publications**

### *Articles Published*

(1) Raz, Gal. Actuality of Banality: Eyal Sivan's *The Specialist* in Context. Shofar: An Interdisciplinary Journal of Jewish Studies 2005, 24 (1): 4-21.

(2) Raz, Gal. Narrative Sabotage as a Tactic in the Arena of Collective Memory.

<a> Psychoanalyse im Widerspruch 2005, 34: 27-41.

<b> translated into Greek and published in the 14th Thessaloniki Documentary Festival Booklet, 2012

(3) Jablonka, Eva and Gal Raz. Transgenerational Epigenetic Inheritance: Prevalence, Mechanisms, and Implications for the Study of Heredity and Evolution. The Quarterly Review of Biology, 2009, 84 (2): 131-176.

(4) Raz, Gal, Yonatan Winetraub, Yael Jacob, Sivan Kinreich, Adi Maron-Katz, Galit Shaham, Ilana Podlipsky, Gadi Gilam, Eyal Soreq, Talma Hendler, Portraying Emotions at Their Unfolding: A Multilayered Approach for Probing Dynamics of Neural Networks, NeuroImage 2012, 60 (2): 1448-1461.

(5) Raz, Gal and Talma Hendler. Forking Cinematic Paths to the Self: Neurocinematically-Informed Model of Empathy in Motion Pictures. Projections 8.2 (2014): 89-114.

(6) Raz, Gal, Yael Jacob, Tal Gonen, Yonatan Winetraub, Eyal Soreq, Tamar Flash, and Talma Hendler. Cry for her or cry with her: context-dependent dissociation of two modes of cinematic empathy reflected in network cohesion dynamics. Social cognitive and affective neuroscience 9.1 (2014): 30-38.

(7) Gilam, Gadi, Tamar Lin, Gal Raz, Shir Azrielant, Eyal Fruchter, Dan Ariely, and Talma Hendler. Neural substrates underlying the tendency to accept anger-infused ultimatum offers during dynamic social interactions. NeuroImage 120 (2015): 400-411.

(8) Cavazza, Marc, Fred Charles, Stephen W. Gilroy, Julie Porteous, Gabor Aranyi, Julien Cordry, Gal Raz, Nimrod Jakob Keynan, Avihay Cohen, Gilan Jackont, Yael Jacob, Eyal Soreq, Ilana

Klovatch, Talma Hendler. Virtual Agents in Brain-Computer Interfaces. The International Journal of Virtual Reality, 15 (2015): 48-60.

(9) Gonen, Tal, Eyal Soreq, Eran Eldar, Eti Ben Simon, Gal Raz, and Talma Hendler. Human mesostriatal response tracks motivational tendencies under naturalistic goal-conflict. Social cognitive and affective neuroscience (2016).

(10) Raz, Gal\*, Alexandra Touroutoglou\*, Gadi Gilam, Christine Wilson-Mendenhall, Tamar Lin, Tal Gonen<sup>1</sup>, Yael Jacob, Shir Atzil, Roe Admon, Adi Maron-Katz, Talma Hendler\*, Lisa Feldman Barrett\*. Functional connectivity dynamics during film viewing reveal common networks for different emotional experiences. Cognitive, Affective, & Behavioral Neuroscience (2016): 1-15.

(11) Yael Jacob, Yonatan Winetraub, Gal Raz, Eti Ben-Simon, Hadas Okon-Singer, Keren Rosenberg-Katz, Talma Hendler, Eshel Ben Jacob Dependency Network Analysis (DEPNA) Reveals Context Related Influence of Brain Network Nodes. Scientific reports 6 (2016).

(12) Raz, Gal\*, Lavi Shpigelman\*, Yael Jacob, Tal Gonen, Yoav Benjamini, and Talma Hendler. "Psychophysiological whole-brain network clustering based on connectivity dynamics analysis in naturalistic conditions." Human Brain Mapping (2016).

(13) Cohen, Avihay\*, Nimrod J. Keynan\*, Gilan Jackont, Nilli Green, Iris Rashap, Ofir Shany, Fred Charles, Marc Cavazza, Talma Hendler, Gal Raz. Multimodal Virtual Scenario Enhances Neurofeedback Learning. Frontiers in Robotics and AI (2016).

(14) Singer, Neomi, Nori Jacoby, Tamar Lin, Gal Raz, Lavi Shpigelman, Gadi Gilam, Roni Y. Granot, and Talma Hendler. "Common modulation of limbic network activation underlies musical emotions as they unfold." NeuroImage 141 (2016): 517-529.

## Articles Submitted

(1) Hendler Talma\*, Gal Raz\*, Solnik Shimrit, Roseman Leor, Madah Wahid, Kremer Ilana. Kupchik Mariana, Kotler Moshe., Bleich-cohen Maya. Context-related dynamic shifting between empathy-related networks is altered in schizophrenia.

(2) Christina Young, Gal Raz, Daphne Everaerd, Christian Beckmann, Talma Hendler, Guillén Fernández, and Erno Hermans. Hermans. Dynamic shifts in large-scale brain network balance as a function of arousal.

## Articles in Preparation

(1) Raz, Gal, Michele Svanera, Maya Bleich Cohen, Avner Thaler, Rainer Goebel, Talma Hendler, Sergio Benini, Giancarlo Valente. Robust inter-subject audiovisual decoding in fMRI using kernel ridge regression.

(2) Sar-El, Roy\*, Gal Raz\*, Haggai Sahron and Talma Hendler. Context of psychotropic drug delivery determines its neurobehavioral effect: Ritalin as a case study.

(3) Tamar Lin, Gal Raz, Gadi Gilam, Yair Bar-Haim, Eyal Fruchter, and Talma Hendler. Accessible neurobehavioral anger-related marker for individual vulnerability to post-traumatic stress symptoms.

(4) Gal Raz, Tal Gonen, Ofir Shany and Talma Hendler. Egodystonic Cinematic Empathy and Motivational Alignment.

(5) András Bálint Kovács, Gal Raz, and Giancarlo Valente. Seeing From Close, Seeing From Far: How the Brain Processes Shot Scales?

## Chapters in Books

(1) Raz, Gal, Hagin Boaz, Hendler Talma. E-Motion Pictures of the Brain: Recursive Paths between Affective Neuroscience and Film Studies. in A. P. Shimamura, *Psychocinematics: Exploring Cognition at the Movies*. New York: Oxford University Press; 2013. p. 285-313.

## Papers Represented at Scientific Meetings Published in Proceedings

(1) Gilroy, Stephen W., Julie Porteous, Fred Charles, Marc Cavazza, Eyal Soreq, Gal Raz, Limor Ikar et al. "A brain-computer interface to a plan-based narrative." In *Proceedings of the Twenty-Third international joint conference on Artificial Intelligence* (2013). p. 1997-2005.

(2) Cavazza, Marc, Fred Charles, Gabor Aranyi, Julie Porteous, Stephen Gilroy, Gal Raz, Nimrod Jakob Keynan, Avihay Cohen, Gilan Jackont, Yael Jacob, Eyal Soreq, Ilana Klovatch, Talma Hendler. 2014. "Towards Emotional Control through Neurofeedback". In *Proceedings of the 5th Augmented Human International Conference* (2014)., Kobe, Japan.

(3) Cavazza, Marc, Aranyi, Gabor, Charles, Fred, Porteous, Julie, Gilroy, Stephen, Jackont, Gilan, Klovatch, Ilana., Raz, Gal, Keynan, Nimrod J., Cohen, Avihay, and Hendler, Talma, 2014, September" "Frontal alpha asymmetry neurofeedback for brain-computer interfaces". In Brain-Computer Interface Conference (2014).

(4) Keynan, Jakob N., Gal Raz, Shimrit Solnik, Gadi Gilam, Tamar Lin, Sharon Visevasser, and Talma Hendler. "Dynamic network analysis uncovers the neural correlates of alexithymia." In *Society of Biological Psychiatry 70th Annual Meeting* (2015).

(5) Yamin, Hagar., Gazit, Tomer, Tchemodanov, Nadav, Raz, Gal., Jakont, Gilan, Charles, Fred., Cavazza, Marc, Fried, Itzhak. and Hendler, Talma, 2016. Neurofeedback via Intracranial Depth Electrodes. Proceedings of the 6th International Brain-Computer Interface Meeting (2016).



