

# ROTEM DAN

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## ACADEMIC APPOINTMENTS

9/2020-Present      Postdoctoral Research Fellow  
Laboratory for Affective and Translational Neuroscience  
Center for Depression, Anxiety and Stress Research  
McLean Hospital  
Department of Psychiatry, Harvard Medical School  
Mentor: Diego A. Pizzagalli, Ph.D.

## EDUCATION

2013-2020      Ph.D., Brain science: computation & information processing, Edmond and Lily Safra Center for Brain Sciences (ELSC), The Hebrew University of Jerusalem  
Advisor: Gadi Goelman, Ph.D. Dissertation: "Emotion and neuropsychiatric disorders: interplay and neural organization".

2011-2013      M.Sc., Brain science: computation & information processing, Edmond and Lily Safra Center for Brain Sciences (ELSC), The Hebrew University of Jerusalem

2007-2010      B.Sc., Physics and Cognitive Sciences, The Hebrew University of Jerusalem

## HONORS & AWARDS

2023      Alies Muskin Career Development Leadership Program Award

2021-2024      Israel National Postdoctoral Award Program for Advancing Women in Science

2021      Schlomiuk Prize for Outstanding Ph.D. Thesis

2021      The Hebrew University Post-Doctoral Scholarship Program for Women (declined)

2020      The Hebrew University Post-Doctoral Scholarship Program for Women

2020      Jerusalem Brain Community Bridging Post-Doctoral Scholarship

2019      Israel National Institute for Psychobiology Travel Grant

2019      Department of Neurology, Hadassah Medical Center: Best Abstract Award

2019      Jerusalem Brain Community Travel Grant

2018      Israel Ministry of Science and Technology Travel Grant

2017      Israel Association of University Women Scholarship

2017-2018      Israel Society for Biological Psychiatry Clinical Fellowship for Researchers

2016      Israel National Institute for Psychobiology Travel Grant

2016      Edmond and Lily Safra Center for Brain Sciences Travel Grant

2016      Israel Society for Biological Psychiatry: Best Poster Award

2014      Edmond and Lily Safra Center for Brain Sciences: Prize for Outstanding Academic Performance During M.Sc. Studies

2011-2016      Alice and Jack Ormut Scholarship, Edmond and Lily Safra Center for Brain Sciences

2008-2010      Dean's List, Faculty of Natural Sciences, Hebrew University

2008 Department of Cognitive Sciences, Hebrew University: Prize for Outstanding Academic Performance

## PUBLICATIONS (PEER-REVIEWED)

\* Equal contribution

1. Reuveni I\*, **Dan R\***, Canetti L, Bick AS, Segman R, Azoulay M, Kalla C, Bonne O, Goelman G (2023). Aberrant intrinsic brain network functional connectivity during a face-matching task in women diagnosed with premenstrual dysphoric disorder. *Biological Psychiatry*, doi: 10.1016/j.biopsych.2023.04.001
2. **Dan R**, Weinstock M, Goelman G (2023). Emotions as distinct configurations of functional brain networks. *Cerebral Cortex*, 33:5727-5739
3. Goelman G, **Dan R**, Růžička F, Bezdíček O, Jech R (2021). Asymmetry of insula-sensorimotor circuit in Parkinson's disease. *European Journal of Neuroscience*, 54:6267-6280
4. Goelman G, **Dan R**, Růžička F, Bezdíček O, Jech R (2021). Altered sensorimotor fMRI directed connectivity in Parkinson's disease patients. *European Journal of Neuroscience*, 53:1976-1987
5. Mirman A, Bick A, Kalla C, Canetti L, Segman R, **Dan R**, Ben Yehuda A, Levin N, Bonne O (2021). The imprint of childhood adversity on emotional processing in high functioning young adults. *Human Brain Mapping*, 42:615-625
6. Azoulay M\*, Reuveni I\*, **Dan R\***, Goelman G, Segman R, Bonne O, Canetti L (2020). Childhood trauma and premenstrual symptoms: the role of emotion regulation. *Child Abuse & Neglect*, 108:104637
7. **Dan R\***, Reuveni I\*, Canetti L, Weinstock M, Segman R, Goelman G, Bonne O (2020). Trait-related changes in brain network topology in premenstrual dysphoric disorder. *Hormones and Behavior*, 124:104782.
8. **Dan R**, Růžička F, Bezdíček O, Roth J, Růžička E, Vymazal J, Goelman G, Jech R (2019). Impact of dopamine and cognitive impairment on neural reactivity to facial emotion in Parkinson's disease. *European Neuropsychopharmacology*, 29:1258-1272.
9. Goelman G, **Dan R**, Stößel G, Tost H, Meyer-Lindenberg A, Bilek E (2019). Bidirectional signal exchanges and their mechanisms during joint attention interaction – a hyperscanning fMRI study. *NeuroImage*, 198:242-254.
10. **Dan R**, Canetti L, Keadan T, Segman R, Weinstock M, Bonne O, Reuveni I, Goelman G (2019). Sex differences during emotion processing are dependent on the menstrual cycle phase. *Psychoneuroendocrinology*, 100:85-95.
11. Goelman G, **Dan R**, Keadan T (2018). Characterizing directed functional pathways in the visual system by nonlinear coherence of fMRI data. *Scientific Reports*, 8:16362.
12. **Dan R**, Růžička F, Bezdíček O, Růžička E, Roth J, Vymazal J, Goelman G, Jech R (2017). Separate neural representations of depression, anxiety and apathy in Parkinson's disease. *Scientific Reports*, 7:12164.

13. Goelman G, **Dan R**, Růžička F, Bezdíček O, Růžička E, Roth J, Vymazal J, Jech R (2017). Frequency-phase analysis of resting-state functional MRI. *Scientific Reports*, 7:43743.
14. Goelman G, **Dan R** (2017). Multiple-region directed functional connectivity based on phase delays. *Human Brain Mapping*, 38:1374-1386.
15. Reuveni I, **Dan R**, Segman R, Evron R, Goelman G, Bonne O, Canetti L (2016). Emotional regulation difficulties and premenstrual symptoms among Israeli students. *Archives of Women's Mental Health*, 19:1063.

#### **INVITED TALKS**

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| 2020 | ELSC annual conference, Israel. "Emotions as dynamic configurations of functional brain networks".   |
| 2019 | Society for Neuroscience, Chicago, USA (nanosymposium). "Modular segregation and integration of functional brain networks of emotion".   |
| 2019 | Israel Human Neuroimaging annual conference, Israel. "Disrupted network topology in premenstrual dysphoric disorder".  |
| 2019 | Hadassah Neurology annual conference, Israel. "Impact of dopamine and cognitive impairment on neural reactivity to facial emotion in Parkinson's disease".<br>*Best abstract award |
| 2017 | Israel Society for Biological Psychiatry, Israel. "Gender differences in the neural encoding of emotion".  |
| 2016 | Israel Society for Neuroscience, Israel. "Neural representations of non-motor neuropsychiatric symptoms in Parkinson's disease".   |

#### **TEACHING & MENTORING**

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| 2016-2019 | Analytical methods for Cognitive Sciences, Department of Cognitive Sciences, The Hebrew University of Jerusalem                             |
| 2016-2018 | Alpha program at the Hebrew University: mentoring gifted high school students.<br>*National prize for students for best poster presentation |

#### **OTHER PROFESSIONAL APPOINTMENTS**

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| 2010-2011 | Data scientist, research team of Peer39, Israel (full time) |
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#### **MEDIA COVERAGE**

- 13TV (national television interview): <https://youtu.be/9-e0QvU2YwA>
- Yedioth Ahronoth (largest Israeli newspaper):  
<https://www.ynet.co.il/articles/0,7340,L-5515220,00.html>
- Galei Tzahal (national radio interview): "Ma Shekore Machar" with Rami Shani:  
<https://tinyurl.com/yp4tch75>