

# Oded Mayo

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## Education

**2018-2022** – Ph.D., Bar-Ilan University, Department of Psychology.

Title of thesis: *In and Out of Synchrony – Behavioral and Physiological Dynamics of Dyadic Interpersonal Coordination*

Name of advisor: Prof. Ilanit Gordon.

**2010-2012** – M.A, The Hebrew University of Jerusalem, Clinical Psychology (magna cum laude)

Title of thesis: *Infant's Approach and Inhibition as Predictors of Externalizing and Internalizing Symptoms in Children – Main and Moderated Effects.*

Name of advisor: Prof. Marsh Kaitz

**2007-2009** – Undergraduate coursework to fulfill prerequisite requirements in psychology, Tel-Aviv University, Psychology (summa cum laude)

**2001-2004** – B.Sc., Bar-Ilan University, Applied Mathematics (magna cum laude)

## Employment and Research Experience

**2025 – present** - Postdoctoral fellow at the Ruhr University Bochum, Bochum, Germany (P.I. Nikolai Axmacher).

**2023 – 2025** – Postdoctoral fellow at the Social and Affective Neuroscience Lab at the University of Haifa (P.I. Simone Shamay-Tsoory).

## List of Publications:

1. Gordon, I., Tomashin, A. & **Mayo, O.**<sup>1</sup> (2024). A Theory of Flexible Multimodal Synchrony. *Psychological Review*. Journal rankings- Q1, Impact Factor – 5.1.
2. **Mayo, O.**, & Shamay-Tsoory, S. (2023). Dynamic Mutual Predictions During Social Learning: A Computational and Interbrain Model. *Neuroscience & Biobehavioral Reviews*, 105513. Journal rankings- Q1, Impact Factor – 9.052. <https://doi.org/10.1016/j.neubiorev.2023.105513>
3. **Mayo, O.**, Horesh, D., Korisky, A., Milstein, N., Zadok, E., Tomashin, A., & Gordon, I. (2023). I Feel You: Pre-pandemic Physiological Synchrony and Emotional Contagion During COVID-19. *Emotion*, 23(3), 753. Journal rankings- Q1, Impact Factor – 4.35. <https://doi.org/10.1037/emo0001122>

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<sup>1</sup> Mayo., O. and Gordon, I., share first authorship on the manuscript.

4. Horesh, D., Milstein, N., Tomashin, A., **Mayo, O.**, & Gordon, I. (2022). Pre-pandemic Electrodermal Activity Predicts Current COVID-Related Fears: Household Size During Lockdown as a Moderating Factor. *Stress*, 1-8. Journal rankings- Q2, Impact Factor – 2.83.  
<https://doi.org/10.1080/10253890.2021.2006179>
5. Gordon, I., Horesh, D., Milstein, N., Tomashin, A., **Mayo, O.**, & Korisky, A. (2021). Pre-pandemic Autonomic Nervous System Activity Predicts Mood Regulation Expectancies During COVID-19 in Israel. *Psychophysiology*, 58(11), e13910. Journal rankings- Q1, Impact Factor – 4.01.  
<https://doi.org/10.1111/psyp.13910>
6. **Mayo, O.**, Lavidor, M., & Gordon, I. (2021). Interpersonal Autonomic Nervous System Synchrony and its Association to Relationship and Performance—a Systematic Review and Meta-Analysis. *Physiology & Behavior*, 113391. Journal rankings- Q2, Impact Factor – 3.36.  
<https://doi.org/10.1016/j.physbeh.2021.113391>
7. **Mayo, O.**, & Gordon, I. (2020). In and Out of Synchrony—Behavioral and Physiological Dynamics of Dyadic Interpersonal Coordination. *Psychophysiology*, 57(6), e13574. Journal rankings- Q1, Impact Factor – 3.67. <https://doi.org/10.1111/psyp.13574>

## MANUSCRIPTS UNDER REVIEW AND IN PREPARATION:

1. **Mayo, O.**, Molcho-Fisher, Y., Avnor, Y., Shamay-Tsoory, S. (Under review). Interbrain Synchrony as a Moderator for the Effects of Traumatic Events.
2. Igra, L., **Mayo, O.**, Kivity, Y., Jacobsen, C.F., Nielsen, J., Lun, Poulsen, S.B. (Under review). Impact of the Alliance on Outcome: Examining the Moderating Role of Attachment Style and Interpersonal Problems.
3. **Mayo, O.**, Gordon, I. (Under review). Contextual Pulls for Synchrony and Segregation: An Empirical Test of a Novel Theoretical Framework.
4. **Mayo, O.**, Shamay-Tsoory, S., Axmacher, A. (In preparation). The Transformation of Autobiographical Memories Through Empathic Interactions.
5. **Mayo, O.** (In preparation). Parental Oedipal illusions and the Oedipal Complex of the Child.

## Active Participation in Scholarly Conferences

### a. Academic Peer-Reviewed Oral Presentations

1. **2024** - Unraveling the Interplay of Interpersonal Synchrony, Social Cohesion, and Performance: The Impact of Social Context. *The European Society for Cognitive and Affective Neuroscience Conference (ESCAN 2024)*. Ghent, Belgium.

2. **2023** - Mutual Predictions During Social Interactions – A Computational and Inter-Brain Model and Implication for Early Social Bonding. *The Social Neuroscience of Relationships, Attachment & Caregiving. University of Essex, the United Kingdom.*
3. **2022** - Interpersonal Synchrony – Beyond Good or Bad, its' Effect Depends on The Context. *Psychology Department Students Conference. Ramat-Gan, Israel.*
4. **2020** - Meta-Stable Interpersonal Coordination – Preliminary Data from a Sample of Autistic Youth. *Psychology Department Students Conference. Ramat-Gan, Israel.*

#### **b. Invited Talks**

1. **2024** - The Complexity of Interpersonal Interactions. Invited talk in the neuro-clinical seminar for graduate students, the Department of Psychology, University of Haifa.

#### **c. Clinical Oral Presentations**

1. **2019** – Parental Oedipal illusions and the Oedipal complex of the child. *“The Narcissistic Scenarios of Parenthood”, Conference of the clinical division of the Israel Psychological Association. Tel-Aviv, Israel.*
2. **2017** – Case presentation. *Endings in psychoanalytic psychotherapy with children and adolescents, the Israeli association for psychoanalytic psychotherapy. Tel-Aviv, Israel.*

### **Research Grants**

**Mayo, O. (co-developer of the proposal)**, Shamay-Tsoory, S., Axmacher, N. (Submitted to the DFG-ISF Research Grant). The Transformation of Autobiographical Memories Through Empathic Interactions. Amount – 530,000€ for three years.

### **Scholarships & Awards**

**Post-doctoral** – the Institutional Postdoctoral Scholarships of the University of Haifa (2023 – 2024), approximately 19,000 \$ per year.

**Ph.D.:** Bar Ilan University, Ha'Nassi 4-year scholarship for outstanding PhD students (2018-2022), approximately 13,000 \$ per year.

**Ph.D.:** Bar Ilan University, Ha'Nassi prize for an article that was accepted to publication (4 times \* 1100\$)

**M.A:** Dean's Award for High Achievement (2011-2012), Fellowship for High Achievement (2010-2011) - 7,000 \$ per year.

**Undergraduate coursework to fulfill prerequisite requirements in psychology:** Dean's Award for High Achievement (2007-2008).

## **Teaching Experience**

**2024-** Systematic Review and Meta-Analysis. Course for graduate (M.A. and Ph.D) students. Bar-Ilan University.

**2024** – Workshop on Systematic Review and Meta-Analysis for graduate students and researchers, University of Haifa.

**2023 – 2024** – Supervision of undergraduate students in the instructed research course for undergraduate students, University of Haifa, Israel.

**2021-2023** - Supervision of undergraduate students in the research seminar for undergraduate students, Bar-Ilan University Israel.

## **Clinical Experience**

**2016 – 2024** – Clinical Psychologist, private practice.

**2016 -2020** - Clinical Psychologist (psychotherapy and personality assessment), Shalem Institute, Israel.

**2016** – Licensed Clinical Psychologist (License Number 120-891)

**2014-2016** - Internship in Clinical Psychology, Shalem Institute.

**2012-2016** – Educational Psychologist, Educational Psychology Services.

**2013-2014** - Internship in Clinical Psychology, “Eitanim” Psychiatric Hospital, Adolescents Department.

## **Miscellaneous**

### **Reviewer for international journals**

Ad-hoc reviewer for *Communications Psychology*.

Ad-hoc reviewer for *Emotion*.

Ad-hoc reviewer for *Psychophysiology*.

Ad-hoc reviewer for *PloS One*.

## **Methods**

Experience analyzing behavioral and psychophysiological data (IBI, HRV, EDA, etc.) and brain-imaging data (fNIRS). Worked with various software packages, including MATLAB, R, and Jamovi. Experience with writing code in Unity.