

Curriculum Vitae
Hadar Fisher, PhD

Updated:	August 21, 2026
Office Address:	Anna & Max Webb Psychology Building (902) The Psychology Department Bar-Ilan University Ramat-Gan, 52900 Israel
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Education:

10/2009 - 09/2011	BA cum laude	Psychology and Criminology	Bar-Ilan University Ramat-Gan, Israel
10/2011 - 09/2012	Social Sciences Teaching Certificate	Education	Bar-Ilan University Ramat-Gan, Israel
10/2012 - 09/2014	MA	Clinical Psychology	Bar-Ilan University Ramat-Gan, Israel
10/2014 - 09/2019	PhD	Clinical Psychology	Bar-Ilan University Ramat-Gan, Israel

Postdoctoral Training:

09/2016 - 08/2018	Clinical Internship	Clinical Psychology	The Community Clinic at Bar-Ilan University Ramat-Gan, Israel
09/2018 - 08/2019	Clinical Internship	Clinical Psychology	Post-discharge clinic, Shachaf Petah-Tikva, Israel
09/2020 - 07/2023	Postdoctoral Research Fellow	Clinical Research and Data Science Sigal Zilcha-Mano, PhD Philip T. Reiss, PhD	University of Haifa Haifa, Israel
08/2023 - 09/2024	Postdoctoral Research Fellow	Clinical Psychology Christian A. Webb, PhD	Harvard Medical School & McLean Hospital Belmont, MA

Academic Appointments:

08/2023 - 09/2024	Research Fellow	Center for Depression, Anxiety, and Stress Research (Treatment and Etiology of Depression in Youth Laboratory)	McLean Hospital
10/2024 - 08/2026	Instructor in Psychiatry	Department of Psychiatry	Harvard Medical School
10/2026 - Present	Assistant Professor	Department of Psychology	Bar-Ilan University

Other Professional Positions:

09/2012 - 08/2018	Lab Manager	Psychotherapy Research Lab	Bar-Ilan University
09/2016 - 08/2018	Statistician	The Israeli Health Behavior in School-Aged Children research program	Bar-Ilan University
09/2017 - 08/2020	Research consultant	HaLev, The center for Simulation in Education	Bar-Ilan University

Committee Service:

2022	Conference Co-Organizer: Integration of Applied and Basic Science to Study Emotions	International conference supported by the Israeli Science Foundation
2023	Conference Co-Organizer: Factors contributing to effective treatment	Society for Psychotherapy Research, the Israeli Group
2024	Scientific Program Committee: Going beyond symptom change	Society for Psychotherapy Research, 55th International Annual Meeting
2025	Conference Co-Organizer: Embracing Complexity: Perspectives on the Human Mosaic	15th German-Israeli Frontiers of Humanities Symposium
2025	Program Committee Member: Understanding the mental health state – going beyond classification	CLPsych, The 10th Workshop on Computational Linguistics and Clinical Psychology
2026	Scientific Program Committee	Society for Psychotherapy Research, 57th International Annual Meeting, Osaka, Japan
2027	Scientific Committee	Society for Psychotherapy Research, 58th International

		Annual Meeting, Stockholm, Sweden
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Professional Societies:

2014 - Present	Society for Psychotherapy Research
2016 - Present	American Psychological Association

Editorial Activities:

Ad hoc Reviewer

Assessment
Behavior Research Methods
Behaviour & Information Technology
Behaviour Research and Therapy
Child and Adolescent Mental Health
Clinical Psychology & Psychotherapy
Digital Health
Frontiers in Psychiatry
Journal of Adolescence
Journal of Clinical Psychology
Journal of Consulting and Clinical Psychology
Journal of Counseling Psychology
Journal of Medical Internet Research
Journal of Psychopathology and Clinical Science
Journal of Psychotherapy Integration
Nature Reviews Psychology
npj Digital Medicine
npj Digital Mental Health
npj Mental Health Research
NPP—Digital Psychiatry and Neuroscience
PLoS ONE
Psychology and Psychotherapy: Theory, Research and Practice
Psychology Research and Behavior Management

Editorial Boards

2022 - Present	Editorial Board	Psychotherapy Research
2024 - Present	Editorial Board	Journal of Psychotherapy Integration

Honors and Prizes:

2014	Student travel award	Society for Psychotherapy Research
2015	Outstanding Scholarship at the Graduate Level	Bar-Ilan University

2015	Student travel award	Society for Psychotherapy Research
2016	Outstanding Scholarship at the Graduate Level	Bar-Ilan University
2017	Student travel award	Society for Psychotherapy Research
2017	Most Valuable Paper (MVP)	The Society for the Advancement of Psychotherapy
2017	Scholarship for active participation in an international conference	Ministry of Science, Technology, and Space, State of Israel
2018	International travel award	Society for Psychotherapy Research
2022	Emerging Scholar Award	Society for Psychotherapy Research
2026	Alfred Pope Award for Early Career Investigators	McLean Hospital

Grants and Research Support

Current

2025 - 2026	Personalized Early Detection of Depression Onset Using Mobile Passive Sensing of Stress Indicators Harvard Medical School Kaplen Award PI (\$95,150)
2025 - 2026	Early Detection of Depression Onset Using Mobile Passive Sensing of Personalized Stress Indicators The Jonathan Edward Brooking Mental Health Research Scholar Award PI (\$40,000)

Completed

2016 - 2017	Patterns of change in clients' emotional experience and processing over the course of psychodynamic therapy Society for Psychotherapy Research Small research grant PI (\$2,500)
2020 - 2021	The Dynamics of Psychotherapy: Exploring the Client-Therapist Relationship as a Temporal Interpersonal Emotion System (TIES). The Graduate Studies Authority, University of Haifa Post-Doctoral Fellowship scholarship PI (\$25,000)
2021 - 2022	Inferring Dyadic Emotional Dynamics in Psychotherapy Using Automated Facial Expression Analysis. The Herta and Paul Amir Faculty of Social Science Post-Doctoral Fellowship scholarship PI (\$25,000)

2021 - 2022	Inferring Dyadic Emotional Dynamics in Psychotherapy Using Automated Facial Expression Analysis The Data Science Research Center, University of Haifa Post-Doctoral Fellowship scholarship PI (\$34,000)
2021 - 2022	Two types of emotional synchrony as evident by vocal acoustic markers Society for Psychotherapy Research Small research grant PI (\$2,500)
2022 - 2024	In Session Emotional Rigidity as a Treatment-Specific Mechanism of Change for Major Depressive Disorder Walter Katkovsky grant, American Psychological Foundation (APF) Research Grant PI (\$20,000)
2023 - 2025	Investigating Change in Daily Life Emotional Dynamics Following the Treatment of Youth Depression The Council for Higher Education, Israel Scholarship Program for Outstanding Postdoctoral Students (VATAT) PI (\$72,000)
2024 - 2025	The role of emotional rigidity in the onset and treatment of adolescent depression: An ecological momentary assessment approach in two studies Harvard Medical School Livingston Fellowship PI (\$8,000)

Invited Talks and Presentations

2018	Multi-Level Modeling Workshop / Workshop Facilitator Bar-Ilan University, Ramat Gan, Israel
2022	Does Feeling Bad Lead to Feeling Good? Patterns of Change in Emotions During Treatment for Depression / Invited talk The Data Science Research Center, University of Haifa, Haifa, Israel
2022	Exploring Emotional Processes as a Mechanism Underlying Psychopathologies and Their Treatment / Invited talk Center for Depression, Anxiety, and Stress Research, Department of Psychiatry, Harvard Medical School, Belmont, MA
2022	How Can We Integrate Technology to Measure In-Session Processes in Psychotherapy? / Plenary/Keynote Society for Psychotherapy Research Annual Meeting, Denver, CO
2023	Emotional Processes Underlying Psychopathology and Treatment / Invited talk Department of Psychology, Bar-Ilan University, Ramat Gan, Israel
2024	The Opportunities and Challenges in Digital Mental Health for Youth / Invited talk Brain and Cognitive Health Technology, Department of Psychiatry, Harvard Medical School, Belmont, MA
2024	Understanding Emotional Mechanisms Underlying the Etiology and Treatment of Depression / Invited talk Laboratory for Functional Neuroimaging and Bioinformatics, Department of Psychiatry, Harvard Medical School, Belmont, MA
2024	Personalizing Interventions by Understanding Emotional Mechanisms Underlying Psychopathology and Treatment / Invited talk School of Medicine, University of Colorado, Denver, CO

2024	Tailoring Interventions: Unpacking Emotional Mechanisms in Psychopathology and Treatment / Invited talk Tel Aviv University, Tel Aviv, Israel
2024	Personalized Treatment: Leveraging Emotional Mechanisms in Psychopathology and Therapy / Invited talk Ben Gurion University, Beer Sheva, Israel
2024	Understanding Emotional Mechanisms to Personalize Psychopathology and Treatment Approaches / Invited talk Hebrew University, Jerusalem, Israel
2025	AI for Continuous Monitoring of Therapeutic Process in Treatment and Daily Life / Plenary/Keynote Society for Psychotherapy Research Annual Meeting, Krakow, Poland
2026	Tracking Behavior and Emotion with LLMs: Demonstrations in Adolescent Mental Health / Invited talk AI in Psychiatry Research Group, Department of Psychiatry, Harvard Medical School, Belmont, MA
2026	Tracking Behavior and Emotion with LLMs: Demonstrations in Adolescent Mental Health / Invited talk Department of Psychiatry, Columbia University, College of Physicians and Surgeons, New York, NY
2026	When Emotions Get Stuck: Using Dynamic Network Models to Identify At-Risk Adolescents / Invited talk EDGE Lab, Department of Experimental Psychology, University of Oxford, Oxford, UK

Clinical Activities

Licensure

2020	Licensed Clinical Psychologist, Israel (License #27-132272)
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Clinical Practice

2018 - Present	Psychologist, private practice	Givatayim, Israel	20 hours/week (48 weeks)
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Community Service and Outreach

2021 - 2022	Peduel Community Center / Speaker Supporting Mothers: Identifying and Navigating Postpartum Depression Together
2021	Post-discharge clinic / Speaker Closing the gap between research and practice

Publications

* denotes equal authorship contribution.

** denotes mentored trainee.

Peer-Reviewed Journal Articles

1. **Fisher H**, Atzil-Slonim D, Bar-Kalifa E, Rafaeli E, Peri T. Emotional experience and alliance contribute to therapeutic change in psychodynamic therapy. *Psychother.* 2016;53:105-16.
2. Atzil-Slonim D, Bar-Kalifa E, **Fisher H**, Peri T, Lutz W, Rubel J, Rafaeli E. Emotional congruence between clients and therapists and its effect on treatment outcome. *J Couns Psychol.* 2018;65:51-64.
3. Atzil-Slonim D, Bar-Kalifa E, **Fisher H**, Lazarus G, Hasson-Ohayon I, Lutz W, Rubel J, Rafaeli E. Therapists' empathic accuracy toward their clients' emotions. *J Consult Clin Psychol.* 2019;87:33-45.
4. **Fisher H**, Atzil-Slonim D, Bar-Kalifa E, Rafaeli E, Peri T. Growth curves of clients' emotional experience and their association with emotion regulation and symptoms. *Psychother Res.* 2019;29:463-78.
5. HaCohen N, Atzil-Slonim D, Tuval-Mashiach R, Bar-Kalifa E, **Fisher H**. Multiplicity and mutuality in the transition of patient and therapist's self-states: Comparison of good vs. poor outcome groups. *Psychother Res.* 2019;29:770-83.
6. Arnon-Ribenfeld N, Atzil-Slonim D, Bar-Kalifa E, Silber Y, **Fisher H**, Peri T, Lysaker PH, Hasson-Ohayon I. Tracing metacognition in psychotherapy: Associations with symptoms of general distress and depression. *J Nerv Ment Dis.* 2019;207:936-43.
7. **Fisher H**, Rafaeli E, Bar-Kalifa E, Barber JP, Solomonov N, Peri T, Atzil-Slonim D. Therapists' interventions as a predictor of clients' emotional experience, self-understanding, and treatment outcomes. *J Couns Psychol.* 2020;67:66-78.
8. Flückiger C, Rubel J, Del Re AC, Horvath AO, Wampold BE, Crits-Christoph P, Atzil-Slonim D, Compare A, Falkenström F, Ekeblad A, Errázuriz P, **Fisher H**, Hoffart A, Huppert JD, Kivity Y, Kumar M, Lutz W, Muran JC, Strunk DR, Tasca GA, Vislă A, Voderholzer U, Webb CA, Xu H, Zilcha-Mano S, Barber JP. The reciprocal relationship between alliance and early treatment symptoms: A two-stage individual participant data meta-analysis. *J Consult Clin Psychol.* 2020;88:829-43.
9. **Fisher H**, HaCohen N, Shimshi S, Rand-Lakritz S, Shapira K, Tuval-Mashiach R. Ability to move between self-states and emotional experiencing and processing as predictors of symptomatic change. *Psychol Psychother.* 2020;93:723-38.
10. Zilcha-Mano S, Shahar B, **Fisher H**, Dolev-Amit T, Greenberg LS, Barber JP. Investigating patient-specific mechanisms of change in SET vs. EFT for depression: Study protocol for a mechanistic randomized controlled trial. *BMC Psychiatry.* 2021;21:287.
11. Zilcha-Mano S, Dolev-Amit T, **Fisher H**, Ein-Dor T, Strauß B. Patients' individual differences in implicit and explicit expectations from the therapist as a function of attachment orientation. *J Couns Psychol.* 2021;68:682-95.
12. Levi E, Fischer S, **Fisher H**, Admon R, Zilcha-Mano S. Patient and therapist in-session cortisol as predictor of post-session patient reported affect. *Brain Sci.* 2021;11:1483.
13. Lipsitz-Odess I, **Fisher H**, Kartaginer O, Leibovich L, Zilcha-Mano S. When less is more: The perception of psychotherapy techniques as a function of patient personality disorder. *Psychol Psychother.* 2021;94:929-51.
14. Deres-Cohen K, Lipsitz-Odess I, **Fisher H**, Ramseyer FT, Lutz W, Zilcha-Mano S. Shedding light on the effects of supportive techniques on nonverbal synchrony and their moderators in psychotherapy for depression. *Psychother Res.* 2022;32:470-83.
15. Berko A, Bar-Sella A, **Fisher H**, Sobolev M, Pollak JP, Zilcha-Mano S. Development and evaluation of the HRSD-D, an image-based digital measure of the Hamilton rating scale for depression. *Sci Rep.* 2022;12:14342.

16. *Zilcha-Mano S, ***Fisher H**. Distinct roles of state-like and trait-like patient-therapist alliance in psychotherapy. *Nat Rev Psychol*. 2022;1:194-210.
17. Zilcha-Mano S, **Fisher H**, Dolev-Amit T, Keefe JR, Barber JP. A systematic review of the association between interpretations and immediate, intermediate, and distal outcomes. *Psychother*. 2023;60:266-82.
18. **Fisher H**, Solomonov N, Falkenström F, Shahar B, Shamay-Tsoory S, Zilcha-Mano S. Therapists' oxytocin response mediates the association between patients' negative emotions and psychotherapy outcomes. *J Affect Disord*. 2023;338:163-70.
19. *Grossman-Giron A, ***Fisher H**, Atzil-Slonim D, Maoz H, Nitzan U, Tzur Bitan D. The effect of oxytocin administration on patient-therapist alliance congruence: Results from a randomized controlled trial. *Psychother Res*. 2024;34:1092-102.
20. **Fisher H**, Reiss PT, Atias D, Malka M, Shahar B, Shamay-Tsoory S, Zilcha-Mano S. Facing emotions: Between- and within-sessions changes in facial expression during psychological treatment for depression. *Clin Psychol Sci*. 2024;12:840-54.
21. **Fisher H**, Stone SJ, Zilcha-Mano S, Goldstein P, Anderson T. Integrating exploration and prediction in computational psychotherapy science: Proof of concept. *Front Psychiatry*. 2024;14:1274764.
22. **Fisher H**. One cannot leave a place until one has arrived at it: Working with emotions in psychotherapy. *Sihot/Dialogue: Israel Journal of Psychotherapy*. 2024;38:284-7. [Hebrew]
23. Zilcha-Mano S, Keefe JR, **Fisher H**, Dolev-Amit T, Veler-Poleg N, Barber JP. Is the use of interpretations associated with treatment outcome? A systematic review and meta-analytic answer. *Clin Psychol Sci Pract*. 2024;31:1-13.
24. **Fisher H**, Sened H, Falkenström F, Rafaeli E, Bar-Kalifa E, Watson JC, Atzil-Slonim D. Reliability and validity of the Emotional Processing Self-Report. *Psychother*. 2025;62:191-207.
25. **Fisher H**, Fatimah H, Pidvirny K, Brown H, Balkind E, Pastro B, Webb CA. Affect dynamics in adolescent depression: Are all equilibria worth returning to? *Emotion*. 2025;25:1972-81.
26. Webb CA, **Fisher H**. Tracking psychopathology dimensions through passive smartphone sensing: Promises, pitfalls, and pathways to clinical integration. *JAMA Netw Open*. 2025;8:e2519054.
27. Webb CA, Hilt LM, Swords CM, Bolt DM, **Fisher H**, Goldberg SB. Ecological momentary assessment as a measure of intervention change: Evaluation in 4 digital mental health trials. *JMIR*. 2025;27:e69297.
28. **Fisher H**, Pidvirny K, Jaffe NM, Tierney AO, Pizzagalli DA, Webb CA. Emotion rigidity in adolescents prospectively predicts future depressive symptoms assessed via self-report and clinical interview. *Behav Res Ther*. 2025;193:104818.
29. **Fisher H**, Jaffe NM, Rahimi-Eichi H, Forbes EE, Pizzagalli DA, Baker JT, Webb CA. Measuring activation during behavioral activation therapy: A proof-of-concept study using smartphone sensors and LLM-derived ratings in adolescents with anhedonia. *NPP Digit Psychiatry Neurosci*. 2025;3:24.
30. Wang L, Zhou N, Jaffe NM, Pidvirny K, Tierney AO, **Fisher H**, Morfini F, Forbes EE, Pizzagalli DA, Cai T, Webb CA. Multimodal prediction of future depressive symptoms in adolescents. *BMC Psychiatry*. 2025;26:21.
31. **Fisher H**. Emotional AI is here, let's shape it, not shun it. *Nature*. 2025;644:876.
32. **Fisher H**, Jaffe NM, Pidvirny K, Tierney AO, Vaidean MS, Dongre P, Webb CA. Language-based detection of depression with machine learning: Systematic review and meta-analysis. *npj Digit Med*. 2026;9:273.
33. **Fisher H**. The hidden costs of being in sync. *Nat Rev Psychol*. 2026;5:374.

34. **Fisher H**, Jaffe NM, Pidvirny K, Tierney AO, Pizzagalli DA, Webb CA. Using natural language processing to track negative emotions in the daily lives of adolescents. *J Psychopathol Clin Sci*. In press.
35. Palermo EH, **Fisher H**, Blank JM, Anderson C, Bogdanov M, Steinberger DC, Long Y, Nowicki GP, Smith GW, Webb CA, Kuhn M, Pizzagalli DA. Characterizing emotion dynamics in remitted depression: A network approach using ecological momentary assessment. *J Mood Anxiety Disord*. 2026;14:100182.

Book Chapters and Other Publications

1. Zilcha-Mano S, **Fisher H**, Dolev-Amit T, Keefe JR, Barber JP. Interpretations. In: Hill CE, Norcross JC, editors. *Psychotherapy Skills and Methods that Work*. Oxford University Press. In press.

Dissertation

1. Fisher H. Examinations of the relationships among clients' affect regulation, in-session emotional processing, and outcome within dynamic psychotherapy [Doctoral Dissertation]. Bar-Ilan University, Department of Psychology, Ramat Gan, Israel; 2020.

Manuscripts Under Review and Preprints

Fisher H, Nepal S, Webb CA. Personalized early detection of depression onset using multivariate mobile passive sensing. Under review. Preprint: <https://www.researchsquare.com/article/rs-8960944/v1>

Fisher H, Bar-Sella A, Bouknik Y, Kivlighan D, Zilcha-Mano S. The poker face tax: Coherence between facial expression and subjective experience as a predictor of depression outcomes in psychological treatment. Under review. Preprint: <https://europepmc.org/article/ppr/ppr1251249>

Conference Presentations

Fisher H, Atzil-Slonim D, Peri T. Client-therapist emotional synchronicity, client's emotional regulation, and treatment outcome. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2014 June; Copenhagen, Denmark.

Fisher H, Atzil-Slonim D, Bar-Kalifa E, Rafaeli E, Peri T. The development of emotional involvement session by session throughout treatment and its association with therapeutic alliance, emotional regulation, and symptoms. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2015 June; Philadelphia, PA.

Fisher H, Atzil-Slonim D, Bar-Kalifa E, Peri T. Patterns of change in emotional experience during psychodynamic therapy. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2016 June; Jerusalem, Israel.

Atzil-Slonim D, Bar-Kalifa E, **Fisher H**, Rafaeli E. Client-therapist emotional coregulation and its association with treatment outcomes. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2016 June; Jerusalem, Israel.

Zisquit M, **Fisher H**, Atzil-Slonim D, Peri T, Bar-Kalifa E. An exploratory examination of three perspectives of the clients' emotional experience: Their relationship to one another and therapeutic outcome. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2016 June; Jerusalem, Israel.

Haber SM, HaCohen N, **Fisher H**, Tuval-Mashiach R, Bar-Kalifa E. Working through pain to achieve growth: Client transition from dissociation to dialectics and from detached experiencing to subjective experiencing. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2016 June; Jerusalem, Israel.

Fisher H, Atzil-Slonim D, Bar-Kalifa E, Peri T. Clients and therapists perspective on the therapeutic processes: The association among therapists' intervention, clients' involvement in the therapeutic process, and treatment outcome. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2017 June; Toronto, Canada.

Fisher H, Bar-Kalifa E, Atzil-Slonim D, Peri T. Coping through emotional experience: Scale construction and validation. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2018 June; Amsterdam, Netherlands.

Stolowicz-Melman D, Lazarus G, Paz A, **Fisher H**, Atzil-Slonim D. Moderators of the association between client-therapist emotional congruence and treatment outcome. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2018 June; Amsterdam, Netherlands.

Fisher H, Shahar B, Shamay-Tsoory S, Zilcha-Mano S. Facing emotions: Exploring in-session emotional dynamics using facial recognition software. Paper presented at: International Society for the Exploration of Psychotherapy Integration (SEPI) Annual Meeting; 2021 June; Online.

Fisher H, Zilcha-Mano S. Exploring the relationship between patients' and therapists' in-session negative emotions and changes in oxytocin: The moderating role of attachment. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2021 June; Online.

Fisher H, Zilcha-Mano S, Shamay-Tsoory S, Reiss PT. It feels good to feel bad: Exploring in-session emotions using automatic facial expression recognition. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2022 June; Denver, CO.

Fisher H, Zilcha-Mano S. Exploring the relationship between patients' and therapists' in-session negative emotions and changes in oxytocin: The moderating role of attachment. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2022 June; Denver, CO.

Spitzer M, **Fisher H**, Fisher A, Rubel JA, Zilcha-Mano S. Facing emotions: Using automatic coding of facial expression and a data-driven approach to identify patient-therapist emotional dynamics in psychotherapy. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2022 June; Denver, CO.

Levi E, Fischer S, **Fisher H**, Admon R, Zilcha-Mano S. Patient and therapist in-session cortisol as predictor of post-session patient-reported affect. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2022 June; Denver, CO.

Fisher H, Solomonov N, Falkenström F, Shahar B, Shamay-Tsoory S, Zilcha-Mano S. Therapists' oxytocin as a moderator of the association between patients' negative emotions and change in depressive symptoms. Paper presented at: Society for Psychotherapy Research Israeli Group; 2023 March; Tel-Aviv, Israel.

Jaffe NM, Pidvirny K, Tierney AO, Fisher M, Ognibene JM, **Fisher H**, Webb CA. Symptom relations in adolescent depression across a range of severity: A network analysis. Poster presented at: Harvard Psychiatry Research Day; 2024 March; Boston, MA.

Tierney AO, Jaffe NM, Pidvirny K, Murray L, **Fisher H**, Webb CA. The roles of activation and rumination in behavioral activation therapy for anhedonic adolescents. Poster presented at: Harvard Psychiatry Research Day; 2024 March; Boston, MA.

Fisher H, Pidvirny K, Webb CA. Emotional rigidity prospectively predicts future depressive symptoms in adolescence. Paper presented at: Harvard Psychiatry Research Day; 2024 March; Boston, MA.

Jaffe NM, Pidvirny K, Tierney AO, Fisher M, Ognibene JM, **Fisher H**, Webb CA. Using network analysis to characterize relations between depressive symptoms in adolescents. Poster presented at: 3rd Suicide Research Symposium; 2024 April; Online.

Jaffe NM, Pidvirny K, Tierney AO, **Fisher H**, Ognibene JM, Webb CA. Reciprocal daily relations between sleep quality and emotion dynamics in adolescents. Poster presented at: Annual Convention of the Association for Psychological Science; 2024 May; San Francisco, CA.

Fisher H, Webb CA. Predicting states of elevated negative affect and future depressive symptoms in adolescents via text analysis. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2024 June; Ottawa, Canada.

Palermo EH, **Fisher H**, Blank JM, Anderson C, Bogdanov M, Steinberger D, Long Y, Nowicki GP, Smith GW, Webb CA, Kuhn M, Pizzagalli DA. Characterizing emotional dynamics in remitted depression: A network approach using ecological momentary assessment. Poster presented at: Association for Behavioral and Cognitive Therapies Annual Convention, Special Interest Group Expo; 2024 November; Philadelphia, PA.

Pidvirny K, Zhou N, Wang L, Jaffe NM, Tierney AO, **Fisher H**, Pizzagalli DA, Webb CA. Multimodal predictors of future depressive symptoms in adolescents. Poster presented at: 58th Annual Convention of the Association for Behavioral and Cognitive Therapies, Child and Adolescent Depression Special Interest Group; 2024 November; Philadelphia, PA.

Jaffe NM, Pidvirny K, Tierney AO, **Fisher H**, Pizzagalli DA, Webb CA. Exploring trajectories of change and sudden gains during behavioral activation therapy for adolescent depression. Poster presented at: 58th Annual Convention of the Association for Behavioral and Cognitive Therapies, Child and Adolescent Depression Special Interest Group; 2024 November; Philadelphia, PA.

Fisher H, Pidvirny K, Webb CA. Emotional rigidity prospectively predicts future depressive symptoms in adolescence. Paper presented at: 58th Annual Convention of the Association for Behavioral and Cognitive Therapies; 2024 November; Philadelphia, PA.

Pidvirny K, Tierney AO, Jaffe NM, **Fisher H**, Webb CA. Affective forecasting biases in adolescents: The role of depressive symptoms. Poster presented at: Harvard Psychiatry Research Day; 2025 February; Boston, MA.

Pidvirny K, **Fisher H**, Jaffe NM, Tierney AO, Vaidean MS, Anand R, Gandhi MR, Webb CA. Interactions between state and trait stress and rumination in predicting adolescents' daily negative affect. Poster presented at: McLean Research Day; 2025 January; Belmont, MA.

Pidvirny K, **Fisher H**, Jaffe NM, Tierney AO, Vaidean MS, Anand R, Gandhi MR, Baker JT, Forbes EE, Pizzagalli DA, Webb CA. Comparing passive sensor vs. retrospective self-report measures of behavioral change in anhedonic youth receiving behavioral activation therapy. Poster presented at: McLean Research Day; 2025 January; Belmont, MA.

Fisher H, Jaffe NM, Pidvirny K, Tierney AO, Webb CA. Can natural language processing improve emotion tracking in daily life? Paper presented at: Annual Convention of the Association for Psychological Science; 2025 May; Washington, DC.

Fisher H. Reliability and validity of the Emotional Processing Self-Report. Paper presented at: International Society for Psychotherapy Research Annual Meeting; 2025 June; Krakow, Poland.

Fatimah H, **Fisher H**, Pidvirny K, Brown H, Balkind E, Webb CA. Complex affect dynamics predict depressive symptoms over and above mean and variance. Paper presented at: Congress of the International Society for the Study of Personality Disorders; 2025; Boston, MA.

Giulumian G, Murch G, **Fisher H**, Pidvirny K, Webb CA. Emotional granularity in daily life: Sex differences and links to depression risk in adolescents. Poster presented at: McLean Research Day; 2026 January; Belmont, MA.

Murch G, Giulumian G, **Fisher H**, Pidvirny K, Webb CA. EMA-derived sleep reactivity as a prospective risk factor for internalizing psychopathology development in youth. Poster presented at: McLean Research Day; 2026 January; Belmont, MA.

Giulumian G, Murch G, **Fisher H**, Pidvirny K, Webb CA. Adolescent emotional granularity in daily life: Implications for depression vulnerability. Poster presented at: Harvard Psychiatry Research Day; 2026 February; Boston, MA.

Millman ZB, Shannon K, **Fisher H**, Öngür D. A dynamical systems perspective on negative symptoms and depression across stages of psychosis. Paper presented at: Annual Congress of the Schizophrenia International Research Society; 2026 March; Florence, Italy.

Shannon K, Öngür D, **Fisher H**, Millman ZB. Differential expression of depressive and negative symptoms across diagnoses, sex, and illness stage in psychotic disorders. Paper presented at: Annual Meeting of the American Psychopathological Association; 2026 March; Boston, MA.

Fisher H, Webb CA. Emotion system dynamics as early warning signals of depression in adolescents. Paper presented at: Annual Convention of the Association for Psychological Science; 2026 May; Barcelona, Spain.

Fisher H. Measuring activation during behavioral activation therapy using smartphone sensors and LLM-derived ratings in adolescents with anhedonia. Paper presented at: Society for Psychotherapy Research 57th International Annual Meeting, research panel “Multidomain measurement and biomarkers for mental health”; 2026 June; Osaka, Japan.

Fisher H, Rubel JA. AI-informed intervention: Navigating the when and how of intervention. Structured discussion co-organized and presented at: Society for Psychotherapy Research 57th International Annual Meeting; 2026 June; Osaka, Japan.

Shannon K, Loshin J, **Fisher H**, Price K, Öngür D, Millman ZB. The role of psychosis severity on the decoupling of depressive and negative symptoms. Poster presented at: Society for Research in Psychopathology Annual Meeting; 2026 October; Columbus, OH.

Research Statement

I am an Assistant Professor in the Department of Psychology at Bar-Ilan University and a licensed clinical psychologist in Israel. I completed my doctorate in clinical psychology at Bar-Ilan University, followed by postdoctoral training in clinical research and data science at the University of Haifa and in adolescent depression at Harvard Medical School and McLean Hospital.

My research program examines how emotional processes shape the onset, maintenance, and treatment of depression, with a particular focus on adolescence as both a period of heightened risk and an important window for early intervention. I study emotional systems as dynamic processes that unfold within individuals over time. Patterns such as rigidity, inertia, variability, and impaired recovery from stress may reflect vulnerability, while changes in these patterns may provide early indications that a person's emotional system is moving toward depression.

During my doctoral research, I examined emotional change processes within psychotherapy using intensive longitudinal designs and advanced statistical methods. In my first postdoctoral position at the University of Haifa, supported by the Data Science Research Center, I incorporated AI-based facial expression analysis to characterize patient and therapist emotional dynamics and their associations with treatment outcomes. My subsequent work at Harvard Medical School and McLean Hospital extended this framework beyond psychotherapy and into the daily lives of adolescents, using ecological momentary assessment, passive smartphone sensing, automated behavioral coding, and natural language processing, including large language models, to capture emotional and behavioral processes as they naturally unfold.

My current research brings affective science, clinical psychology, and artificial intelligence together to develop personalized approaches to the early identification and prevention of depression. Rather than relying only on population-level risk markers or waiting until symptoms cross a diagnostic threshold, I use intensive longitudinal and multimodal data to model each person's typical patterns and identify meaningful within-person deviations. These data may include language, mobility, sleep, social activity, physiology, and momentary reports. I combine dynamical systems models and statistical process control with machine learning and large language models to examine when risk is emerging, for whom, and under what conditions.

Across these projects, I integrate multilevel modeling, dynamical systems approaches, statistical process control, natural language processing, machine learning, and automated behavioral measurement. This work has produced more than 30 peer-reviewed articles and has been recognized through awards and fellowships including the Alfred Pope Award for Early Career Investigators from McLean Hospital, the Most Valuable Paper Award from the Society for the Advancement of Psychotherapy, the Emerging Scholar Award from the Society for Psychotherapy Research, and the Jonathan Edward Brooking Mental Health Research Scholar Award. I also received the Kaplen Award at Harvard Medical School, granted to one researcher annually across the institution.

A growing direction of my program is the development and evaluation of AI systems that can support timely, personalized intervention. This includes using large language models to interpret structured and unstructured data, integrating information across sensing modalities, and generating clinically meaningful summaries or intervention recommendations.

As I establish my independent research program at Bar-Ilan University, my goal is to connect basic research on emotional dynamics with scalable, clinically responsible AI tools for early identification and intervention. By identifying person-specific changes that precede depression and testing how those signals can guide support in real time, this program aims to advance a more precise, preventive, and process-oriented approach to mental health care.