

Thursday, September 25th- Friday, September 26th, 2025 *Live-Stream*

WELCOME

On behalf of the Massachusetts General Hospital Department of Psychiatry, we are proud to welcome you to our 5th Annual Conference on Precision Psychiatry.

The Annual Conference on Precision Psychiatry, hosted by the MGH Center for Precision Psychiatry, is becoming a leading venue for showcasing advances in the application of precision medicine approaches to psychiatric research and clinical practice. The Conference will be held virtually over the course of two days: Thursday, September 25th, and Friday, September 26th, 2025

Thank you for joining us at this important conference!

TARGET AUDIENCE

This program is intended for clinicians, researchers, trainees, students, investors, industry leaders, and all those interested in mental health, healthcare innovation, and research across all geographic locations.

EVALUATION FORMS/CME/CEU CERTIFICATES

Every participant needs to complete the activity evaluation online to claim CME/CEU credits for this course. Please refer to the **Evaluation and CME Information** document in this syllabus for more information. We strongly encourage you to complete the evaluation, even if you do not require a certificate. Your comments are important to us as we plan future programs. The link to claim credit is as follows: https://mghcme.org/Precision2025

For questions with completing your evaluation or claiming your certificate, please call the MGH Psychiatry Academy at 866-644-7792 or email mghcme@mgh.harvard.edu

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CONTACT INFORMATION

For questions or comments, please contact MGH Psychiatry Academy member services at 866-644-7792 or mghcme@mgh.harvard.edu

LEARNING OBJECTIVES

At the end of this educational activity, participants should be able to:

- Analyze the potential impact of precision psychiatry tools, outcomes, and techniques in research and clinical practice.
- Evaluate the role of precision psychiatry in predicting treatment response and developing targeted interventions for individuals with mental health conditions.



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- Identify the key concepts, methodologies, and challenges related to the use of AI and machine learning in precision psychiatry.
- Evaluate the value of digital technologies in improving mental health conditions for patients.
- Discover how genomics and precision therapeutics can be utilized for personalized mental health treatments.
- Identify the ethical, legal, and social implications of precision psychiatry and discuss and evaluate strategies to address these issues.
- Develop strategies to enhance collaboration among researchers, clinicians, patients, and stakeholders to advance the field of precision psychiatry.
- Describe the importance of implementation science in the successful integration of precision psychiatry into clinical practice.

ACCREDITATION

Physicians:

MGH Institute of Health Professions designates this live activity for a maximum of 8 AMA PRA Category 1 Credits TM. Physicians should claim only credit commensurate with the extent of their participation in this activity.

Psychologists:

Continuing Education (CE) credits for psychologists are provided through the co-sponsorship of the American Psychological Association (APA) Office of Continuing Education in Psychology (CEP). The APA CEP Office maintains responsibly for the content of the programs. MGH Institute of Health Professions designates this activity for 8 CE credit.

Nurses:

MGH Institute of Health Professions designates this activity for 8 contact hours for nurses.

Social Workers:



As a Jointly Accredited Organization, MGH Institute of Health Professions is approved to offer social work continuing education by the Association of Social Work Boards (ASWB) Approved Continuing Education (ACE) program. Organizations, not individual courses, are approved under this program. State and provincial regulatory boards have the final authority to determine whether an

individual course may be accepted for continuing education credit. MGH Institute of Health Professions maintains responsibility for this course. Social workers completing this course receive 8 clock hours for continuing education credits.



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IPCE Credit



This activity was planned by and for the healthcare team, and learners will receive 8 Interprofessional Continuing Education (IPCE) credits for learning and change.

Other CE Licenses: Other Providers can claim a Participation Certificate upon successful completion of this course. Participation Certificates will specify the title, location, type of activity, date of activity, and number of *AMA PRA Category 1 Credits*TM associated with the activity. Providers should check with their regulatory agencies to determine ways in which *AMA PRA Category 1 Credits*TM may or may not fulfill continuing education requirements. Providers should also consider saving copies of brochures, agenda, and other supporting documents.

AGENDA

5th Annual Conference on Precision Psychiatry Thursday, September 25th - Friday, September 26th, 2025

DAY ONE: Thursday, September 25th, 2025 (12:00 PM - 4:20 PM EDT)

Time	Content	Speaker
12:00pm-12:10pm	Welcome Remarks	Jordan Smoller, MD, ScD Director, MGH Center for Precision Psychiatry; Professor of Psychiatry, Harvard Medical School; Director, Psychiatric and Neurodevelopmental Genetics Unit, MGH Center for Genomic Medicine
12:10pm-12:40pm	Conference Keynote	To Discover Biomarkers for Precision Psychiatry We Must Retire the DSM Steven E. Hyman, MD Core Institute Member and Director, Program in Brain Health, Broad Institute of Harvard and MIT Harvard University Distinguished Service



		Professor & Harald McPike Professor
12:40pm-1:00pm	Moderated Discussion/Q&A: Moderator: Jordan Smoller, MD, ScD Director, MGH Center for Precision Psychiatry; Professor of Psychiatry, Harvard Medical School; Director, Psychiatric and Neurodevelopmental Genetics Unit, MGH Center for Genomic Medicine	
1:00pm-1:05pm	Brief Section Introduction	
1:05pm-1:50pm	Ensuring an Equitable Future for Psychiatric Precision Therapeutics	
1:05pm-1:50pm	Panel Moderator: Benjamin Le Cook, PhD Morris E. Chafetz Professor of Psychiatry in the Field of Behavioral Sciences, Department of Psychiatry, Harvard Medical School Vice Chair of Research, Department of Psychiatry, Cambridge Health Alliance	Francisco A. Moreno, MD Associate Vice President, University of Arizona Health Sciences- Equity, Diversity, and Inclusion Tenured Professor of Psychiatry, College of Medicine- Tucson Michelle N. Meyer, PhD, JD Chief Bioethics Officer, Associate Professor, Chair of the Department of Bioethics and Decision Sciences, Geisinger College of Health Sciences Shazia Siddique, MD, MSHP Assistant Professor, Gastroenterology, Perelman School of Medicine, University of Pennsylvania
1:50pm-2:00pm		BREAK
2:00pm-2:05pm	Brief Section Introduction	
2:05pm-3:25pm	In Search of Precision Biomarkers	



2:05pm-2:25pm	Causal Diversity in Precision Psychiatry	
	Dani S. Bassett, PhD J. Peter Skirkanich Professor, U	Iniversity of Pennsylvania
2:25pm-2:45pm	Tapping into Cognition: Connecting Brain Imaging and Digital Biomarkers for Precision Psychiatry	
	Olusola Ajilore, MD, PhD University of Illinois Center for Depression and Resilience (UI CDR) Professor of Psychiatry, University of Illinois-Chicago College of Medicine	
2:45pm-3:05pm	Mapping Brain Circuit Targets for Neuromodulation	
	Michael Fox, MD, PhD Director, Center for Brain Circuit Therapeutics, Brigham and Women's Hospital	
3:05pm-3:25pm	Highlighted Discussion/Q&A:	
	Moderator: Dost Öngür, MD, PhD Chief, Division of Psychotic Disorders, McLean Hospital; William P. and Henry B. Test Professor of Psychiatry, Harvard Medical School	
3:25pm-3:30pm	Brief Section Introduction	
3:30pm-4:15pm	New Directions for Precision Therapeutics	
3:30pm-4:15pm	Panel Moderator: Joan Camprodon- Gimenez, MD, PhD, MPH	Susan Whitfield-Gabrieli, PhD Associate Director, MGH Center for Precision Psychiatry
	Chief, Division of Neuropsychiatry &	Prof. Hugh Marston, PhD Senior Vice President, Global Head



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	Neuromodulation, Massachusetts General Hospital, Associate Professor of Psychiatry & Neurology, Harvard Medical School	of Neuroscience & Mental Health, Boehringer Ingelheim
4:15pm-4:20pm	Closing Remarks	

DAY TWO: Friday, September 26th, 2025 (9:00 AM - 1:50 PM EDT)

Time	Content	Speaker
9:00am-9:10am	Welcome Remarks	Jordan W Smoller, MD, ScD Director, MGH Center for Precision Psychiatry; Professor of Psychiatry, Harvard Medical School; Director, Psychiatric and Neurodevelopmental Genetics Unit, MGH Center for Genomic Medicine
9:10am-9:40am	Conference Keynote	French Program on Precision Psychiatry Marion Leboyer, MD, PhD Professor and vice-chair of the Dept of Psychiatry & Addictology Mondor Hal, AP- HP, Univ Paris Est Créteil; Director, Translational NeuroPsychiatry laboratory, Inserm U 955; CEO, Fondation FondaMental
9:40am-10:00am	Moderated Discussion/Q&A: Moderator: Jordan Smoller, MD, ScD Director, MGH Center for Precision Psychiatry; Professor of Psychiatry, Harvard Medical School; Director, Psychiatric and Neurodevelopmental	



	Genetics Unit, MGH Center for Genomic Medicine	
10:00am-10:05am	Brief Section Introduction	
10:05am-11:05am	AI in Precision Psychiatry	
10:05am-10:25am	AI Beyond Evil Robots	
	Roy Perlis, MD, MSc Editor in Chief, JAMA+ AI; Director, Center for Quantitative Health, Massachusetts General Hospital	
10:25am–10:45am	John Torous, MD, MBI Director of the Division of Digital Psychiatry, Beth Israel Deaconess Medical Center; Associate Professor of Psychiatry at Harvard Medical School	
10:45am-11:05am	Highlighted Discussion/Q&A:	
	Moderator: Chris Kennedy, PhD Researcher, Center for Precision Psychiatry; Instructor in Psychiatry, Harvard Medical School	
11:05am-11:10am	Brief Section Introduction	
11:10am-12:10pm	Real-World Implementation of Predictive Risk Models: Health and Beyond	
11:10am-11:30am	Ethical Challenges in Implementing Genetic Risk Predictions for Educational Attainment	
	Maya Sabatello, LLB, PhD Associate Professor of Medical Sciences, Department of Medicine and Department of Medical Humanities & Ethics, Columbia University	
11:30am-11:50am	From Publication to Pragmatic Trial: Barriers and Facilitators to	



	Deploying Healthcare AI	
	Colin Walsh, MD, MA, FACMI, FAMIA, FIAHSI Associate Professor of Biomedical Informatics, Medicine and Psychiatry, Vanderbilt University Medical Center	
11:50am-12:10pm	Highlighted Discussion/Q&A:	
	Moderator: Stephen Bartels, MD, MS Director, The Mongan Institute, James J. and Jean H. Mongan Professor of Health Policy and Community Health, Professor of Medicine, Harvard Medical School, Professor Social and Behavioral Sciences, Harvard T.H. Chan School of Public Health	
12:10pm-12:20pm	BREAK	
12:20pm-12:25pm	Brief Section Introduction	
12:25pm-12:55pm	Emerging Innovators in Precision Psychiatry	
12:25pm-12:35pm	Mathematical and Computational Modeling of Suicide as a Complex Dynamical System Shirley B. Wang, PhD Assistant Professor, Department of Psychology, Yale University	
12:35pm-12:40pm	Highlighted Discussion/Q&A:	
	Moderator: Susan Whitfield Gabrieli, PhD Associate Director, Center for Precision Psychiatry	
12:40pm-12:50pm	Psychedelics as Immune Modulators of Brain Plasticity in Stress- Related Disorders	
	Michael A. Wheeler, PhD Assistant Professor of Neurology, The Gene Lay Institute of Immunology and Inflammation, Ann Romney Center for Neurologic	



Diseases, Brigham and Women's Hospital, Harvard Medical School	
Highlighted Discussion/Q&A: Moderator: Susan Whitfield Gabrieli, PhD Associate Director, Center for Precision Psychiatry	
Brief Section Introduction	
Precision Therapeutics: Promise and Pain Points	
Panel Moderator: Maurizio Fava, MD Chair, Mass General Brigham Academic Medical Centers Psychiatry Department Executive Director, Massachusetts General Hospital (MGH) Clinical Trials Network and Institute (CTNI) Slater Family Professor of Psychiatry at Harvard Medical School Husseini K. Manji, MD, FRCPC Co-Chair of the UK Government Mental Health Mission, Professor at the Department of Psychiatry at University of Oxford, University, adjunct Professor at Yale University, visiting Professor at the Department of Psychiatry at Duke University Magali Haas, MD, PhD Founder & Chair, Cohens Veterans Bioscience; Independent Board Member, Psilera Nick Brandon, PhD Chief Scientific Officer, Neumora	
	Closing Remarks
	Highlighted Discussion/Q&A: Moderator: Susan Whitfield G Associate Director, Center for Pr Brief Precision Thera Panel Moderator: Maurizio Fava, MD Chair, Mass General Brigham Academic Medical Centers Psychiatry Department Executive Director, Massachusetts General Hospital (MGH) Clinical Trials Network and Institute (CTNI) Slater Family Professor of Psychiatry at Harvard Medical School



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FACULTY

PLANNERS

Course Director:

Jordan Smoller, MD, ScD Director, MGH Center for Precision Psychiatry; Professor of Psychiatry, Harvard Medical School; Director, Psychiatric and Neurodevelopmental Genetics Unit, MGH Center for Genomic Medicine

Susan Whitfield Gabrieli, PhD Associate Director, MGH Center for Precision Psychiatry

Planners:

Karmel Choi, PhD Planner

Fanta Kuhlman, MBA, MPH Planner

Paola Pedrelli, PhD Planner

Victoria Dobrzycki, MBA Marketing and Administrative Coordinator, MGH Center for Precision Psychiatry

Ashley Seiger, MSc Program Director, MGH Center for Precision Psychiatry

David H. Rubin, MD COI Content Reviewer

Aaron R. Hoffman, DO, MPH CME Content Reviewer

Jane Davis, CRNP, DNP Nurse Content Reviewer



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Jane Pimental, MPH Managing Director Massachusetts General Hospital Psychiatry Academy

Susan Sprich, PhD Psychology Reviewer

Angela Alves, LICSW Social Work Reviewer

FACULTY/SPEAKERS

Jordan Smoller, MD, ScD	Director, MGH Center for Precision Psychiatry; Professor of Psychiatry, Harvard Medical School; Director, Psychiatric and Neurodevelopmental Genetics Unit, MGH Center for Genomic Medicine
Steven E. Hyman, MD	Core Institute Member and Director, Program in Brain Health, Broad Institute of Harvard and MIT Harvard University Distinguished Service Professor & Harald McPike Professor



Francisco A. Moreno, MD	Associate Vice President, University of Arizona Health Sciences- Equity, Diversity, and Inclusion Tenured Professor of Psychiatry, College of Medicine- Tucson
Michelle N. Meyer, PhD, JD	Chief Bioethics Officer, Associate Professor, Chair of the Department of Bioethics and Decision Sciences, Geisinger College of Health Sciences
Shazia Siddique, MD, MSHP	Assistant Professor, Gastroenterology, Perelman School of Medicine, University of Pennsylvania
Benjamin Le Cook, PhD	Morris E. Chafetz Professor of Psychiatry in the Field of Behavioral Sciences, Department of Psychiatry, Harvard Medical School Vice Chair of Research, Department of Psychiatry, Cambridge Health Alliance
Dani S. Bassett, PhD	J. Peter Skirkanich Professor, University of Pennsylvania



Olusola Ajilore, MD, PhD	University of Illinois Center for Depression and Resilience (UI CDR) Professor of Psychiatry, University of Illinois-Chicago College of Medicine
Michael Fox, MD, PhD	Director, Center for Brain Circuit Therapeutics, Brigham and Women's Hospital
Dost Öngür, MD, PhD	Chief, Division of Psychotic Disorders, McLean Hospital; William P. and Henry B. Test Professor of Psychiatry, Harvard Medical School
Susan Whitfield-Gabrieli, PhD	Associate Director, MGH Center for Precision Psychiatry
Prof. Hugh Marston, PhD	Senior Vice President, Global Head of Neuroscience & Mental Health, Boehringer Ingelheim
Joan Camprodon- Gimenez, MD, PhD, MPH	Chief, Division of Neuropsychiatry & Neuromodulation, Massachusetts General Hospital Associate Professor of Psychiatry & Neurology, Harvard Medical School



Marion Leboyer, MD, PhD	Professor and vice-chair of the Dept of Psychiatry & Addictology Mondor Hal, AP- HP, Univ Paris Est Créteil; Director, Translational NeuroPsychiatry laboratory, Inserm U 955; CEO, Fondation FondaMental
Roy Perlis, MD, MSc	Editor in Chief, JAMA+ AI; Director, Center for Quantitative Health, Massachusetts General Hospital
John Torous, MD, MBI	Director of the Division of Digital Psychiatry, Beth Israel Deaconess Medical Center; Associate Professor of Psychiatry at Harvard Medical School
Chris Kennedy, PhD	Researcher, Center for Precision Psychiatry; Instructor in Psychiatry, Harvard Medical School
Maya Sabatello, LLB, PhD	Associate Professor of Medical Sciences, Department of Medicine and Department of Medical Humanities & Ethics, Columbia University



Colin Walsh, MD, MA, FACMI, FAMIA, FIAHSI	Associate Professor of Biomedical Informatics, Medicine and Psychiatry, Vanderbilt University Medical Center
Stephen Bartels, MD, MS	Director, The Mongan Institute James J. and Jean H. Mongan Professor of Health Policy and Community Health Professor of Medicine, Harvard Medical School Professor Social and Behavioral Sciences, Harvard T.H. Chan School of Public Health
Husseini K. Manji, MD, FRCPC	Co-Chair of the UK Government Mental Health Mission, Professor at the Department of Psychiatry at University of Oxford, University, adjunct Professor at Yale University,visiting Professor at the Department of Psychiatry at Duke University
Magali Haas, MD, PhD	Founder & Chair, Cohens Veterans Bioscience; Independent Board Member, Psilera
Nick Brandon, PhD	Chief Scientific Officer, Neumora



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Maurizio Fava, MD	Chair, Mass General Brigham
	Academic Medical Centers
	Psychiatry Department
	Executive Director,
	Massachusetts General
	Hospital (MGH) Clinical Trials
	Network and Institute (CTNI)
	Slater Family Professor of
	Psychiatry at Harvard Medical
	School

FACULTY

In accord with the disclosure policy of McLean Hospital as well as guidelines set forth by the Accreditation Council on Continuing Medical Education, all people in control of educational content, including speakers, course directors, planners, and reviewers, have been asked to disclose all financial relationships with ineligible companies for the past 24 months, as defined below:

Ineligible Companies

The ACCME defines an "Ineligible company" as "those whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients." For more information, visit accme.org/standards

Financial relationships

Financial relationships are those relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, consulting fee, honoraria, ownership interest (e.g., stocks, stock options or other ownership interest, excluding diversified mutual funds), or other financial benefit. Financial benefits are usually associated with roles such as employment, management position, independent contractor (including contracted research), consulting, speaking and teaching, membership on advisory committees or review panels, board membership, and other activities from which remuneration is received, or expected.

Mitigation of Financial Relationships

All financial relationships are reviewed to determine which ones are relevant, and then measures are taken to mitigate all relevant financial relationships and ensure that they do not insert commercial bias into the content of the education.



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The following planners, speakers, content reviewers, and others in control of educational content have reported financial relationships with ineligible companies over the past 24 months. Measures have been taken to mitigate the impact of these financial relationships on the educational content and ensure that they do not insert commercial bias into the content of this education.

Speakers & Planners:

Olu Ajilore, MD, PhD

KeyWise AI: Stock, Co-Founder Embodies Labs, Blueprint Health: Stock, Advisory Board Otsuka Pharmaceutical: Consult fees, consult

Nick Brandon, PhD

Neumora Therapeutics: Salary, Stock, Stock Options, Full-time employee Kisbee Therapeutics, Convergence Therapeutics: Fee, Advisor

Joan Camprodon, MD, PhD, MPH

Flow Neuroscience: Stock options and Consult Fees, Scientific Advisory Board Neuroelectrics: Consult fees,

Maurizio Fava, MD

See link: https://mghcme.org/maurizio-fava-bio-disclosure/

Michael Fox, MD, PhD

Magnus Medical Soterix, Tal Medical MDC Venture Capital, Abbott, Boston Scientific: Consultant fee, consult

Magali Haas, MD

Psilera Inc: Sock Options, Board Membership

Steve Hyman, MD

Voyager Therapeutics, Cyclerion Therapeutics, Vesalius Therapeutics: Options, fee, Director J & J Innovative Medicines F-Prime Capital, Fee, Scientific Advisory Board

Husseini K. Manji, MD, FRCPC

Alto Neuroscience, Apollo Therapeutics, Empyream: Stock Options, Board Member, Strategic Advisor Neuroscience Otsuka: Options Consulting Feeds, Chair Consulting

Hugh Martson, PhD

Boehringer Ingelheim Pharma GmbH & CoKG: full time employer



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Francisco Moreno, MD

LivaNova: Compensation, Chair of DSMB for clinical research only

Dost Öngür, MD, PhD

Rapport Therapeutics: Person Fee, Advisory Meeting Board

Roy Perlis, MD

Genomind, Alkermes, Circular Genomics: Consulting Fee, Scientific Advisor JAMA: Fee, Editor

Maya Sabatello, LLB, PhD

NIH, All of US IRB committee: \$2500 annually, serving as a member of the committee

Jordan Smoller, MD, ScD

Sensorium Therapeutics, Inc: Scientific Board

Susan Sprich, PhD

Royalties: Oxford University Press; Springer

Honorarium (associate editor of a journal): Association for Behavioral Cognitive Therapies

John Torous, MD

Otsuka: Research Support, Investigator Initiated Research

Colin Walsh, MD MA, FACMI, FAMIA, FIAHSI

Mullan Pharmaceutical Newport Health-Consulting fee, non-speaking Humana-Consulting fee, non-speaking

All other individuals in a position to control the content of this educational activity have reported no financial relationships with ineligible companies.