



SOBP 2025

April 24 – 26, 2025

Sheraton Toronto, Toronto, Canada

**Artificial Intelligence and
Mental Health:
A new landscape for
research and practice**



PROGRAM BOOK



www.sobp.org | [#SOBP2025](https://twitter.com/SOBP2025)

Table of Contents

Society of Biological Psychiatry's 2025 Meeting

President's Welcome	3
2024 – 2025 Officers & Councilors	4
Hotel Information & Map	5
Download the Conference App	7
Statement of purpose	8
Join SOBP	9
Publications	10
2025 Scientific Program Committee	11
2025 Committee Members	12
2025 Award Recipients	14
Schedule	17
Save the Date	27

President's Welcome

Society of Biological Psychiatry's 2025 Meeting

Dear SOBP members and friends,

We are pleased to welcome you to Toronto for our 2025 annual meeting, which marks the 80th anniversary of the Society of Biological Psychiatry (SOBP). This milestone celebrates the Society's enduring commitment to advancing the field of biological psychiatry. This year, we embrace the theme, "Artificial Intelligence and Mental Health: A New Landscape for Research and Practice," reflecting the transformative potential of artificial intelligence (AI) to reshape our field. This theme highlights SOBP's dedication to exploring revolutionary tools and methodologies that are redefining diagnostic capabilities, treatment approaches, and our understanding of mental health disorders. While offering unprecedented opportunities for discovery and clinical advancement, AI also presents challenges that we aim to address through thoughtful dialogue during this special anniversary year.

We are excited to present an exceptional lineup of Plenary Speakers who will address critical aspects of AI's integration into mental health research and practice. On Thursday, the talks will highlight how AI-informed tools and methodologies may assist us in decoding mental states. On Friday, presentations will delve into the cutting-edge tools and platforms that AI brings to the forefront and how such new methodologies can be used to enhance diagnostic precision and accelerate treatment development. On Saturday, sessions will explore ethical and societal considerations for real-world applications of AI-driven interventions. The plenary sessions will be followed by a lively debate on the role of AI-interventions in mental health. We hope these discussions will inspire meaningful dialogue about the role of AI in shaping the future of biological psychiatry and encourage you to think creatively about how your own work can harness its potential to benefit individuals at risk for or suffering from mental illness.

In addition to our Plenary Speaker presentations, the program features a diverse range of Symposia and Oral sessions, carefully curated by our Program Committee to reflect the depth and breadth of research advances in the field. Evenings will be dedicated to our vibrant SOBP Poster sessions, where innovative research will be on full display. This year's meeting also includes an open lecture on Wednesday evening highlighting the Society's commitment to outreach to the wider community. This open lecture will be concerning metabolic function and brain health and is organized jointly with the University of Toronto and the Ontario Brain Institute.

The 2025 program would not be possible without the tireless efforts of many. We extend our sincere gratitude to the SOBP Council, the Parthenon Management Group staff—particularly Christine Farwell and Payton McClintock—and the Chairs, Co-Chairs, and members of our SOBP committees. Their dedication has been instrumental in creating a dynamic program that offers something for every attendee.

As you participate in the meeting, we encourage you to explore opportunities to build collaborative relationships. For senior investigators, we invite you to engage with and mentor the next generation of researchers and clinicians, offering your perspective and guidance. For early-career attendees, this meeting is an ideal opportunity to connect with leaders in the field who have likely influenced your work and can help guide your career trajectory.

We hope this meeting provides you with an engaging, inspiring, and truly enjoyable experience.

Sophia Frangou, President
Dost Öngür, Program Chair

2024 – 2025 Officers & Councilors

PRESIDENT

Sophia Frangou, MD
Icahn School of Medicine at Mount Sinai

PRESIDENT-ELECT

Carrie Bearden, PhD
University of California, Los Angeles

IMMEDIATE PAST PRESIDENT

Victoria Arango, PhD
NIMH/NIH

EXECUTIVE SECRETARY

Scott Rauch, MD

TREASURER

Trey Sunderland, MD

COUNCIL

Anissa Abi-Dargham, MD (2024 – 2027)
Karen Berman, MD (2020 – 2025)
Linda Carpenter, MD (2022-2028)
Neill Epperson, MD (2022-2025)
Judith Ford, (2022 – 2027)
David Lewis, MD (2021 – 2026)
Leanne Williams, PhD (2023 – 2028)

JUNIOR COUNCILOR

Tiffany Ho, PhD (2024 – 2026)
Tamar Gur, MD, PhD (2023-2025)

EDITOR, BIOLOGICAL PSYCHIATRY

John H. Krystal, MD

EDITOR, COGNITIVE NEUROSCIENCE AND NEUROIMAGING

Cameron S. Carter, MD

EDITOR, GLOBAL OPEN SCIENCE

Deanna Barch, PhD

Hotel Information

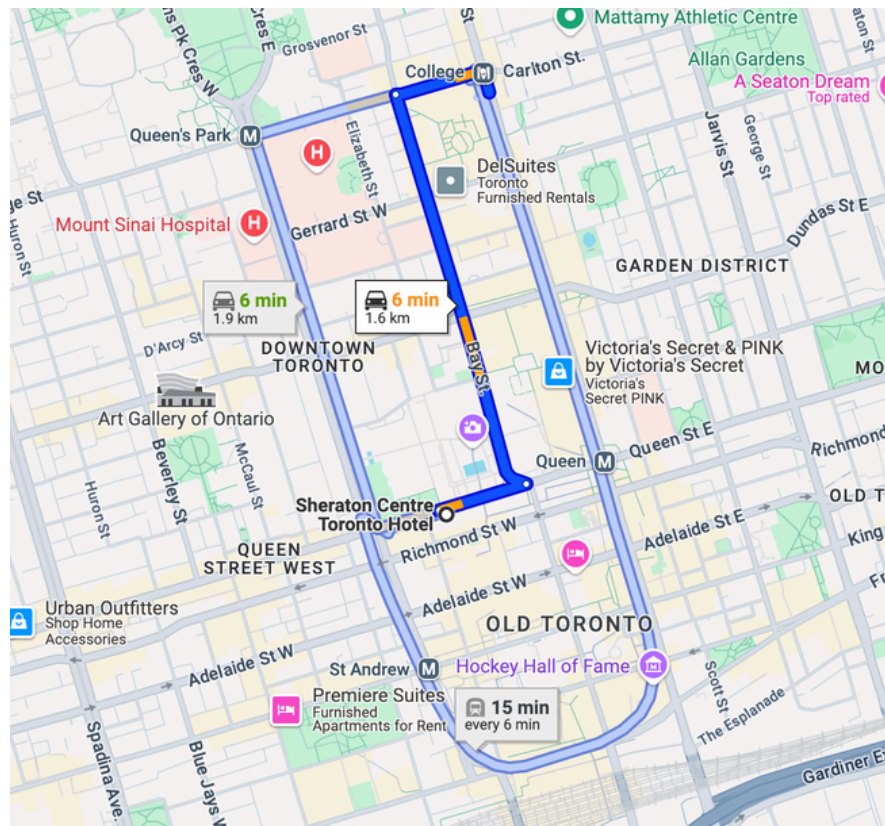


Sheraton Centre Toronto

📍 123 Queen St W, Toronto, ON M5H 2M9, Canada

Embrace the energy of Toronto during your stay at Sheraton Centre Toronto Hotel, located in the financial district, steps from the entertainment district and all major attractions. The recent transformation of our downtown Toronto hotel brings a new arrival experience, a lobby with open and collaborative workspaces and world-class culinary experiences.

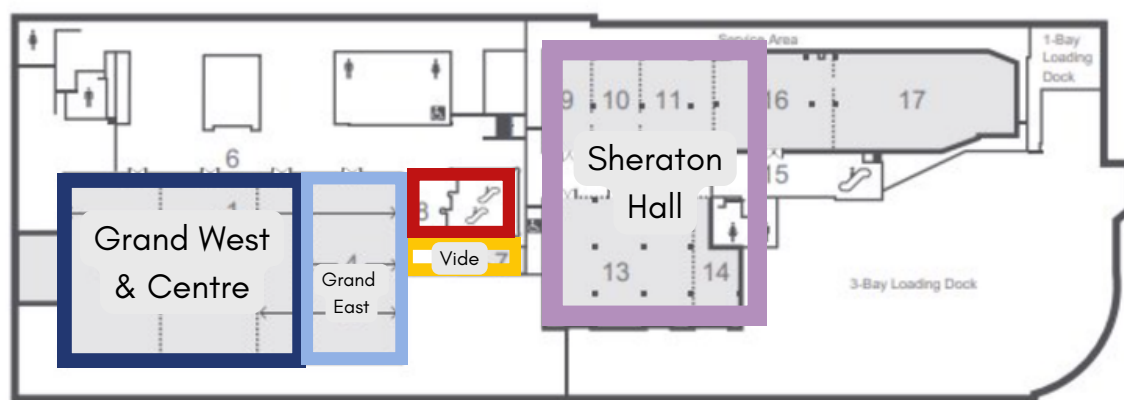
Welcome Reception MAP



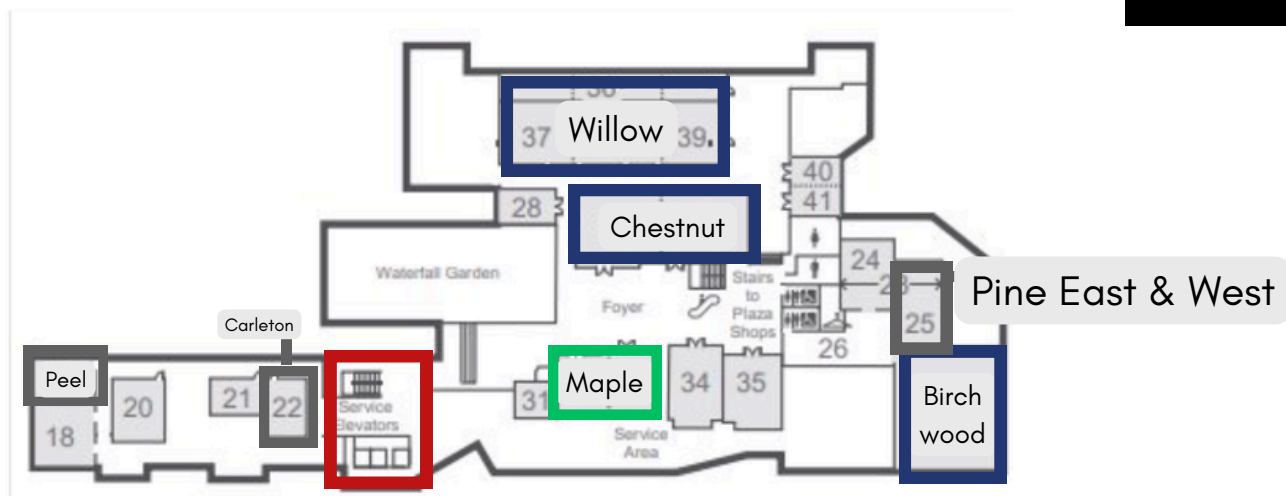
OFF SITE

LOWER CONCOURSE

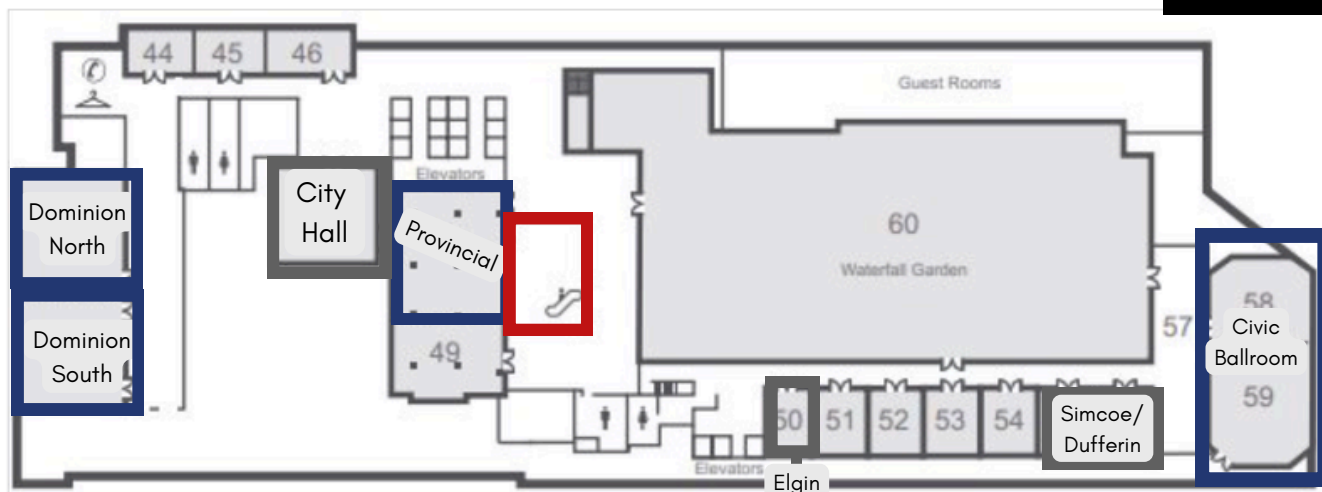
- Poster Session
- Breakout Rooms
- Speaker Ready Room
- Break Area
- Meeting Rooms
- KiddieCorp



MEZZANINE

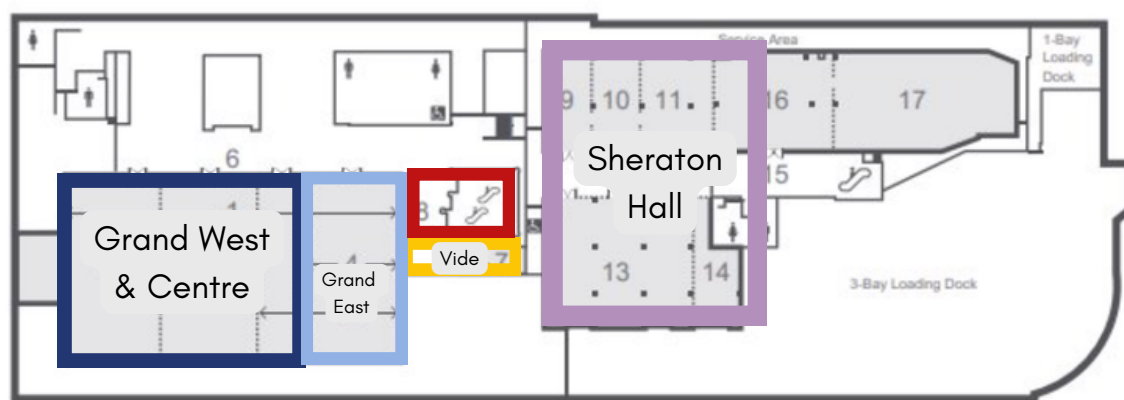


Level 2

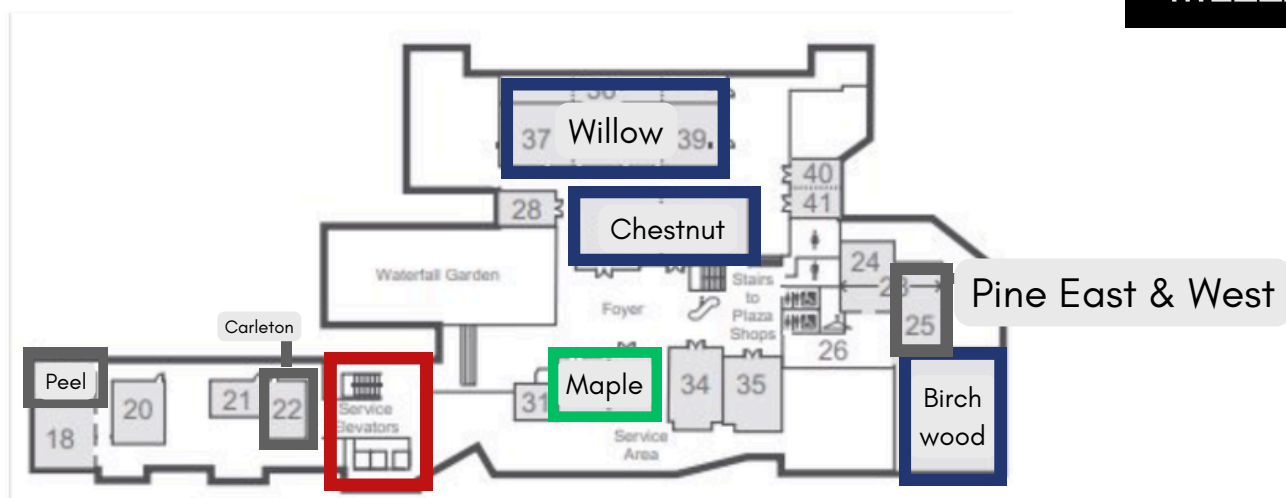


LOWER CONCOURSE

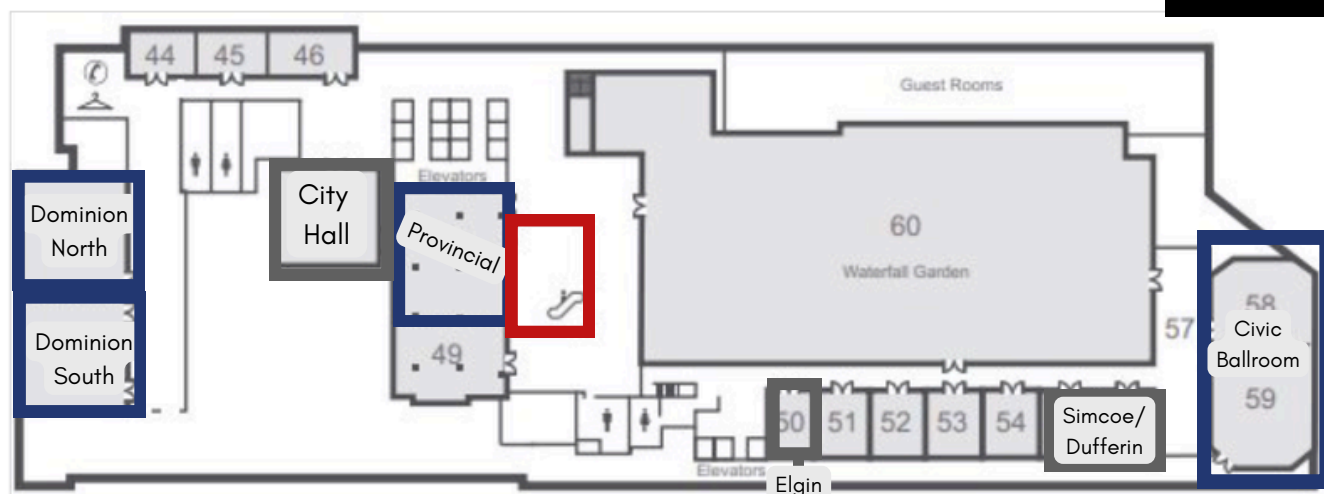
- Poster Session
- Breakout Rooms
- Speaker Ready Room
- Break Area
- Meeting Rooms
- KiddieCorp



MEZZANINE



Level 2



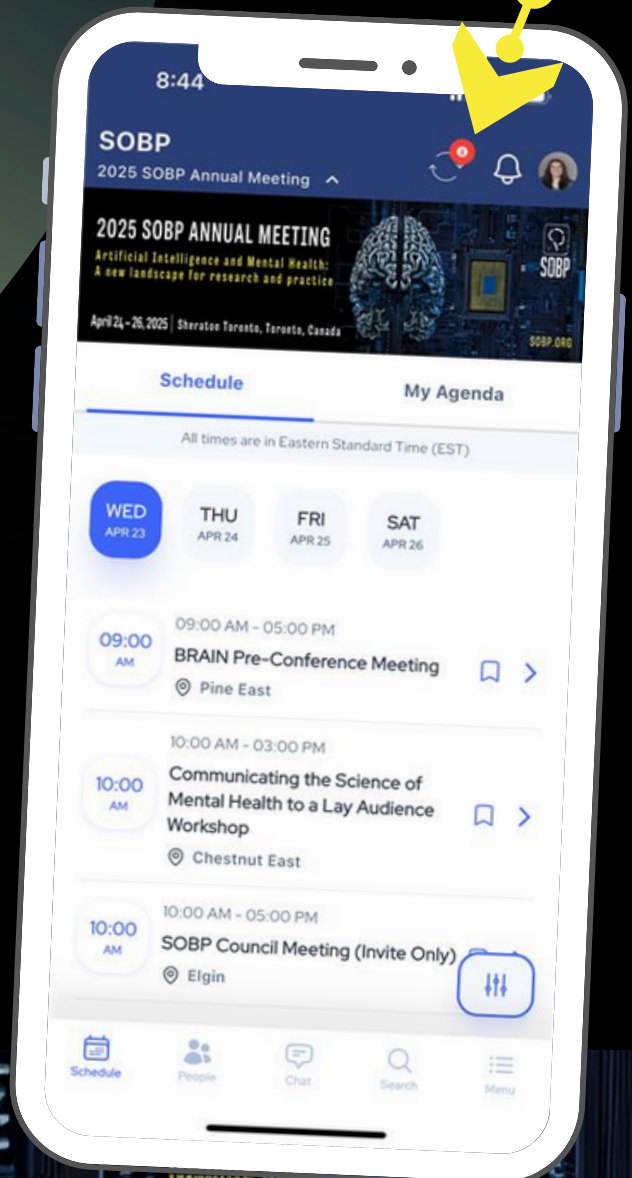
Download the Conference App

The conference app has everything you need!

Search 'SOBP 2025' in the Google Play or Apple Store and download it to your device. You will need to login to your SOBP account to access live sessions/recordings and the e-poster gallery. You refresh and update the app daily for the most up to date information.



Update your app by clicking here



What will you find in the SOBP Conference App?

- The most up to date schedule
- A list of attendees, speakers and travel awardees
- Presenter & Abstract information
- The conference hotel map

WIFI ACCESS
PASSWORD

Society of Biological Psychiatry
SOBP2025

Minimum OS version
iOS: 15.6
Android: 23

Statement of Purpose

Collaborating to Reduce Suffering from Mental Illness.

About



The Society of Biological Psychiatry was founded in 1945 to encourage the study of the biological causes of and treatments for psychiatric disorders. Its continuing purpose is to promote excellence in scientific research and education in fields that investigate the nature, causes, mechanisms, and treatments of disorders of thought, emotion, or behavior.

Vision



The Society of Biological Psychiatry's vision is to advance understanding, investigation, and treatment of psychiatric disorders until they are eliminated as a cause of human suffering.

Mission



The mission of the Society of Biological Psychiatry is to:

- Promote excellence in research investigating the nature, causes, mechanisms, and treatments of disorders of thought, emotion, and behavior.
- Foster development of investigators in psychiatry.
- Educate young scientists and clinicians about the biological underpinnings of psychiatric disorders more generally.
- Disseminate the highest quality knowledge regarding the scientific basis of psychiatry.

Values



- Highest ethical standards of professional conduct
- Leadership
- Lifelong learning
- Collegiality
- Respect for diversity



Join SOBP

The Society of Biological Psychiatry (SOBP) invites you to join senior and junior psychiatric neuroscientists who are engaged in basic, translational, and clinical science in order to serve people with mental illness.

The Society is a vital and dynamic organization. Founded over 70 years ago, SOBP has undergone a dramatic scientific renaissance over the past decade. It is a unique Society, where both senior and junior scientists contribute to a stimulating and extremely well-attended meeting.

When you become a member of this intimate yet cutting edge Society, you will have the opportunity to interact with thought leaders who are fueling innovation, access and development in the field of psychiatric neuroscience including major advances in genetics and therapeutics. Your membership in the Society of Biological Psychiatry will put you in touch with your colleagues who have shaped the field as it currently exists and it will enable you to be one of those who shape biological psychiatry as it will be known!

When we listen to our members talk about what their membership means to them, they most often refer to the intangible benefits, particularly the collegiality of their fellow SOBP members. Personal and professional relationships are built through attending the annual meeting and serving on committees. Many leaders in our field have joined the SOBP over the past 15 years so that the Society is maintaining a balance of new senior and junior members. Junior scientists benefit from access to experts, reduced dues, mentoring, travel awards, presentation opportunities, and more. The Society's committees offer members opportunities to serve their society and the profession, while gaining leadership experience.

BENEFITS INCLUDE

- A free subscription, both print and online, to *Biological Psychiatry* and *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, the official publications of the Society of Biological Psychiatry.
- Reduced registration fees and advanced registration to the annual meeting.
- Waived abstract submission fees.
- Early hotel reservations before nonmember attendees.
- Ability to submit and/or sponsor an abstract.
- Ability to sponsor membership applications.
- Membership Directory.
- Member's Only Resources.
- Career Center.
- Quarterly Newsletters.
- Participation in leadership and committees.
- Prestige and increased credibility among peers and the public.

REGULAR \$180/Annually

Because the SOBP has as a major goal the development of young scientists, you can apply for Regular Member with 5 peer-reviewed publications.

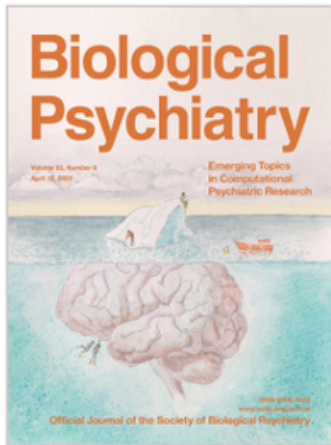
ASSOCIATE \$180/Annually

If you have fewer than 5 peer-reviewed publications, you may apply for Associate Membership. Associate Members are not eligible to vote or hold office in the Society.

STUDENT \$80/Annually

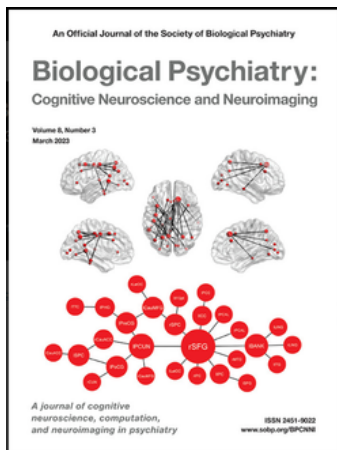
For those currently enrolled in any authorized educational program, full-time training, at degree-granting institution (undergraduate, graduate, medical student, resident, fellow).

Biological Psychiatry



Biological Psychiatry is the official journal of the Society of Biological Psychiatry, whose purpose is to promote excellence in scientific research and education in fields that investigate the nature, causes, mechanisms and treatments of disorders of thought, emotion, or behavior. In accord with this mission, this peer-reviewed, rapid-publication, international journal publishes both basic and clinical contributions from all disciplines and research areas relevant to the pathophysiology and treatment of major psychiatric disorders. The journal publishes novel results of original research which represent an important new lead or significant impact on the field, particularly those addressing genetic and environmental risk factors, neural circuitry and neurochemistry, and important new therapeutic approaches. Reviews and commentaries that focus on topics of current research and interest are also encouraged.

Biological Psychiatry: Cognitive Neuroscience and Neuroimaging



Biological Psychiatry: Cognitive Neuroscience and Neuroimaging (BP:CNNI) was launched in January 2016, led by its founding editor, Cameron S. Carter. This journal publishes fundamental advances from both basic and clinical studies that provide novel insights into the relationships between brain and behavior using the tools and constructs of cognitive neuroscience and neuroimaging. This journal In the 2020 Journal Citation Reports published by Clarivate Analytics, is ranked 49th out of 273 Neurosciences titles, by Impact Factor. Impact Factor score for BP:CNNI is 6.204

Global Open Science



Biological Psychiatry: Global Open Science (BP:GOS) was launched in 2020, led by its founding editor, Deanna M. Barch. As the Society's first fully open access journal, BP:GOS diversifies the Biological Psychiatry family of journals and is aligned with global initiatives to promote the dissemination of science through open access and the goals of open science more broadly. It covers the same range of content and methods as the flagship journal, while also publishing preregistered reports.

2025 Scientific Program Committee

Sophia Frangou
Dost Ongur
Scott Aaronson
Olusola Ajilore
Christoph Anacker
Randy Auerbach
Jennifer Barredo
Christopher Bartley
Ran Barzilay
Maura Boldrini
Chadi Calarge
Hengyi Cao
Christine Conelea
Jennifer Coughlin
Margaret Davis
Darin Dougherty
Katharine Dunlop
Yogesh Dwivedi
Irina Esterlis
Adriana Feder
Bharathi Gadad
Isaac Galatzer-Levy
Charles Gillespie
Matthew Girgenti
Andrea Goldstein-Piekarski
Vanessa Gonçalves
Tamar Gur
Robert Innis
Corey Keller
Adrienne Lahti
Alan Lewis
Paulo Lizano

Falk Lohoff
Stefano Marengo
Leah Mayo
Alexander McGirr
Nicole McLaughlin
Brian Mickey
James Murrough
Jennifer Payne
Noah Philip
Rajiv Radhakrishnan
Marianne Seney
Shan Siddiqi
Jair Soares
Monsheel Sodhi
Emma Sprooten
Gustavo Turecki
Sanne van Rooij
Sophia Vinogradov
Consuelo Walss-Bass
Heather Ward
Aliza Wingo
Neil Woodward
Jared Young

THANK YOU!

2025 Committee Members

COMMUNITY ENGAGEMENT COMMITTEE

Manpreet Singh, Chair
Chris Miller, Co-Chair
Amy Jimenez, Co-Chair
Katherine Aitchison
Olusola Ajilore
Jorge Almeida
Manan Arora
Amanda Arulpragasam
Maura Boldrini
Jessica Cooper
Jennifer Coughlin
Katherine Damme
Elisabetta del Re
Kale Edmiston
Irina Esterlis

Brisa Fernandes
Marie Gaine
Sobia Haqqi
Paul Holtzheimer
Rebekah Huber
Thomas Hyde
Karim Ibrahim
Arielle Keller
Helmet Karim
Poornima Kumar
Rajamannar Ramasubbu
Maya Schumer
Bilge Turkozer
Wei Zhang
Xi Zhu

EDUCATION

Annmarie MacNamara, Chair
Nathaniel Harnett, Co-Chair
Scott Aaronson
Gustavo Angarita
Anahita Bassir Nia
Meghan Bennett
Annamaria Cattaneo
Margaret Davis
Gregory Fonzo
Joshua Kantrowitz
Helmet Karim
Mary Kimmel
Julia Linke
Naoise Mac Giollabhui
Nicole McLaughlin
Michael Ostacher
Carissa Philippi
Konasale Prasad
Peter Van Roessel

TRAINEE SUBCOMMITTEE (EDUCATION)

Meghan Bennett, Chair
Kaley Davis
Ted Imhoff-Smith
Jack Kaufman
Nicolas Nunez
Kate Webb

HONORIFIC AWARDS

Sophia Frangou, Chair
Victoria Arango
Olusola Ajilore
Karen Berman
E. Sherwood Brown
Linda Carpenter
Kristina Deligiannidis
Irina Esterlis
David Lewis
Dost Ongur
Noah Philip

THANK YOU!

2025 Committee Members

MEMBERSHIP

Kathryn Ridout, Chair
Manish Jha, Co-Chair

COMMITTEE ON ADVANCING WOMEN IN LEADERSHIP

Jessica Turner, Chair
Isabelle Rosso, Chair
Annamaria Cattaneo
Mikaela Dimick
Bharathi Gadad
Vanessa Gonçalves
Adrienne Lahti
Mary Phillips
Uma Rao
Yvette Sheline
Sarah Short
Jennifer Stevens

NOMINATING

Sarah Short, Chair
Roscoe Brady
Iliyan Ivanov
Torsten Klengel
James Murrough
Scott Rauch
Kerry Ressler
Joshua Roffman
Manpreet Singh

TRAVEL AWARD

Frank MacMaster, Chair
Jared Young, Co-Chair
Elisabetta C. del Re
Amanda Arulpragasam
Michal Assaf
Randy Auerbach
Anahita Bassir Nia
Alfredo Bellon
Michele Bertocci
Arthur Brody
Chadi Calarge
Joan Camprodon
Adam Case
Sneha Chenji
Jennifer Coughlin
Kathryn Cullen
Maria Dauvermann
Susanna Fryer

A.E. BENNETT AWARD

Kathryn Cullen, Chair
Christine Rabinak, Co-Chair
Olusola Ajilore
Jony Sheynin
Rammohan Shukla

Rebekah Huber
Audreyana Jagger-Rickels
Seyma Katrinli
Sahib Khalsa
Matthew Klein
David Kupferschmidt
Naoise Mac Giollabhui
Daniel Mathalon
Lauren Moran
Rajendra Morey
Alexandra Moussa-Tooks
Guarav Patel
Jair Soares
Marin Veldic
Myrna Weissman

THANK YOU!

2025 Award Recipients

SOBP is proud to honor its 2025 Honorific Awardees. The following awards will be given at the Annual Business Meeting on Friday, April 25.

HONORIFIC AWARDS

A.E. BENNETT

CLINICAL/TRANSLATIONAL RESEARCH AWARD

To recognize clinical/translational research in biological psychiatry by young investigators.

Andrew S. Fox, PhD
University of California, Davis

A.E. BENNETT BASIC RESEARCH AWARD

To recognize clinical/translational research in biological psychiatry by young investigators.

Alex Fornito, PhD
Monash University

CNNI BEST PAPER AWARD

To recognize a top original research paper published in BP: CNNI over the prior 12 months.

Hilgo Bruining, Prof., Dr.
Amsterdam University Medical Center

Gianina Cristian, MSC
Radboud UMC and
Amsterdam UMC

Jan Sprengers, MD, PhD
Amsterdam UMC

Erika L. Juarez
Martinez, MD, PhD
Amsterdam UMC

EDUCATOR AWARD

The Award recognizes and honors the efforts of outstanding teachers and their endeavors to promote and disseminate the understanding of biological psychiatry at the local, national or international levels

Ira David Glick, MD
Stanford University School of
Medicine

GEORGE N. THOMPSON AWARD

To honor members of the Society who have given outstanding service to promote the welfare of the organization.

Manpreet Kaur Singh,
MD, MS
University of California, Davis

GOLD MEDAL AWARD

To honor significant and sustained work that advances and extends knowledge in biological psychiatry.

Carrie Elyse Bearden, PhD
University of California, Los Angeles

Paul M. Thompson, PhD
University of Southern
California

GOS BEST PAPER AWARD

To recognize a top original research paper published in BP:GOS over the prior 12 months.

Ian H. Gotlib, PhD
Stanford University

HUMANITARIAN AWARD

To recognize service and advocacy for mental illness.

Ken Duckworth, MD
Chief Medical Officer NAMI

SOMERFELD-ZISKIND RESEARCH AWARD

To stimulate investigations in biological psychiatry by senior investigators.

Robin Murphy, PhD
University of Auckland

CONGRATULATIONS!

2025 Award Recipients

SOBP is proud to honor its 2025 Honorific Awardees. The following awards will be given at the Annual Business Meeting on Friday, April 25.

TRAVEL AWARDS

CHAIR'S CHOICE

Daniel Camacho
Cathy Chen
Kevin Dowling
Julia Light
Meghan Kulak

Sean O'Sullivan
Ujval Pathak
Denise Tran
Ning Zhao

DOMESTIC

Samatha Abram
Teddy Akiki
Anusha Allawala
Zev Ben-Zion
Samuel Cooper
Elvisha Dhamala
Adam Fijtman
Nadja Ging-Jehli
Miriam Goldberg
Kelsey Hagan
Jessica Hua
Deepak Kaji
Navjot Kaur
Kevin Kelley

Stephanie Korenic
Benson Ku
Songjun Li
Naoise Mac Giollabhui
Patricia Maidana Miguel
Arghya Mukherjee
Andrew Murphy
Olayemi Olajide
Puja Parekh
Petros Petridis
Adam Pines
Joshua Siegal
Andrew Smith
Douglas Teixeira Leffa

Nicholas Trapp
Burak Uzay
Heather Ward
Brianna Wellen
Asieh Zadbood
Rui Zhang

CONGRATULATIONS!

2025 Award Recipients

SOBP is proud to honor its 2025 Honorific Awardees. The following awards will be given at the Annual Business Meeting on Friday, April 25.

TRAVEL AWARDS

INTERNATIONAL

Fiona Coutts
Ravinder Naik Dharavath
Daniel Hauke
Grace Jacobs

Emese Kroon
Maarten Laroy
Elizabeth Manning
Romina Miranda-Olivos

Hermany Munguba
Thiago Roza
Samara Walpole
Marco Zierhut

PRE-DOCTORAL SCHOLARS

Jana Badrani
Maira Blasco
Jillian Eichstaedt
Aziz Elbasheir
Lydia Fortea
Shannon Grogans
Hannah Gura
Sarah Izabel

Michelle Jin
Guldamlä Kalender
Sarah King
Elizabeth Kitt
Andrew Kittleson
Audrey Luo
Serena Malta
Anisha Nagpal

Philip Newsome
Kathleen O'Hora
Nga Yan Tse
Rachel Walsh

Schedule

WEDNESDAY, APRIL 23

Registration

12:00 PM - 5:00 PM • *Concourse Registration*

New Member & Mentor / Mentee Reception (In-Person Only)

5:00 PM - 6:00 PM • *City Hall*

Year 2 & 3 Travel Award Reception (In-Person Only)

6:00 PM - 7:00 PM • *City Hall*

THURSDAY, APRIL 24

Registration

7:00 AM - 7:30 PM • *Concourse Registration*

Continental Breakfast

8:00 AM - 8:00 AM • *Grand Ballroom Foyer*

Speaker Ready Room

7:00 AM - 5:00 PM • *Vide*

Exhibitors

7:00 AM - 5:00 PM • *Concourse Registration*

KiddieCorp

8:00 AM - 8:00 PM • *Maple*

Welcome & Plenary I: Decoding Brain States

9:00 AM - 11:10 AM • *Grand Ballroom West & Centre*

The Orbitofrontal Cortex, Emotion, and Their Disorders including Depression • Grand Ballroom West & Centre

9:10 AM - 9:50 AM

Edmund Rolls, D.Phil., D.Sc., M.A.

University of Warwick

Towards Understanding the Pathophysiology of Neuropsychiatric Disorders: Imaging and Manipulation of Cortical Network Dynamics Using VR and AI

9:50 AM. - 10:30 AM • Grand Ballroom West & Centre

Toru Takumi, M.D., Ph.D.

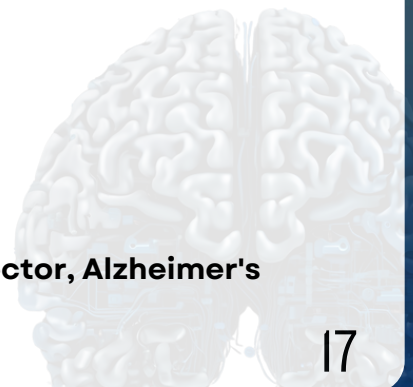
Kobe University School of Medicine

Brain Initiative: Decoding Brain State

10:30 AM. - 11:10 AM • Grand Ballroom West & Centre

Miyong Chun, Ph.D.

The Picower Institute for Learning and Memory, MIT, Executive Director, Alzheimer's Innovation Hub



Schedule

THURSDAY, APRIL 24 (CONTINUED)

Lunch

11:10 A.M. - 12:45 P.M. • Grand Ballroom Foyer

Women's Lunch and Learn | Digital Phenotyping in Mental Health Research: Professional Development Insights from an Emerging Field

11:45 A.M. - 12:45 P.M. • Grand Ballroom West & Centre

Neuroscience for Prime Time

1:00 P.M. - 3:00 P.M. • Willow

Concurrent Symposia

Computational Model Based Approaches to Understanding EEG and Behavior in Psychotic and Mood Disorders

1:00 P.M. - 3:00 P.M. • Birchwood

Leveraging Inter-Individual Differences to Improve Clinical Outcomes in Major Depression, Alzheimer's Disease and Substance Use Disorder: Progress in Precision Psychiatry

1:00 P.M. - 3:00 P.M. • Chestnut

Sex and Biological Psychiatry: New Perspectives From Crossing Species and Brain Scales

1:00 P.M. - 3:00 P.M. • Civic Ballroom

The Highs and Lows of Cannabis: A Critical Reflection

1:00 P.M. - 3:00 P.M. • Dominion North

Using AI and Electronic Health Records-Linked Biorepositories for Psychiatric Outcomes Research

1:00 P.M. - 3:00 P.M. • Grand Ballroom West and Centre

The Traces of Trauma: Advances in Understanding the Neural Basis of Threat Memory

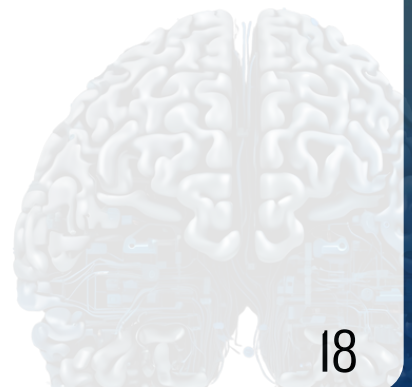
1:00 P.M. - 3:00 P.M. • Provincial

Oral Session I: ADHD, Autism, Neurodevelopmental Disorders, Depression and Suicide

1:00 P.M. - 3:00 P.M. • Dominion South

Afternoon Break

3:00 P.M. - 3:30 P.M.



Schedule

THURSDAY, APRIL 24 (CONTINUED)

Concurrent Symposia

Translational Advances in Discovering the Neuroimmune Mechanisms of Depression
3:30 P.M. - 5:30 P.M. • *Birchwood*

Pharmacological, Neurobiological, and NMDA Receptor Inhibition Independent Mechanisms of Ketamine Action as a Rapid-Acting Antidepressant Drug
3:30 P.M. - 5:30 P.M. • *Chestnut*

Metabolic Psychiatry: Regulatory Mechanisms and Emerging Interventions in Psychosis
3:30 P.M. - 5:30 P.M. • *Civic Ballroom*

A Multidisciplinary Perspective on the Neurocomputational Architecture of Fear and Anxiety: From Cell Types to Clinically Relevant Circuits
3:30 P.M. - 5:30 P.M. • *Dominion North*

Beyond Biology: How Can AI Use Non-Biological Data to Predict Biologically-Driven Mental Health Outcomes?
3:30 P.M. - 5:30 P.M. • *Grand Ballroom West and Centre*

Can Integrating Multi-Disciplinary Data Bring Us Closer to a Unified Psychiatry?
3:30 P.M. - 5:30 P.M. • *Provincial*

Oral Session II: Anxiety Disorders, Bipolar Disorder, Post Traumatic Stress Disorder and Substance Use Disorders
3:30 P.M. - 5:30 P.M. • *Dominion South*

Poster Session
5:30 P.M. - 7:30 P.M. • *Sheraton Hall*

Welcome Reception (Off-Site)
7:30 P.M. - 9:00 P.M. • *The Carlu*



Schedule

FRIDAY, APRIL 25

Early Career Investigators' Breakfast (Invitation Only)

7:00 A.M. - 8:45 A.M. • *Birchwood*

Speaker Ready Room

7:00 A.M. - 5:00 P.M. • *Vide*

Registration

7:00 A.M. - 7:00 P.M.

Continental Breakfast

8:00 A.M. - 9:00 A.M. • *Grand Ballroom Foyer*

Meal Seating

7:30 A.M. - 5:00 P.M. • *Grand Ballroom East*

Exhibitors

8:00 A.M. - 5:00 P.M.

KiddieCorp

9:00 A.M. - 8:00 P.M. • *Maple*

Lactation Room

9:00 A.M. - 7:00 P.M. • *Peel*

Plenary II: Data and Platforms

9:00 A.M. - 11:00 A.M. • *Grand Ballroom West and Centre*

Machine Learning in Mental Health - Progress, Perils, and Perspectives

9:00 A.M. - 9:40 A.M.

Tim Hahn, Prof. Dr., Universität Münster

Decoding the Human Brain for New Neuropsychiatric Therapies

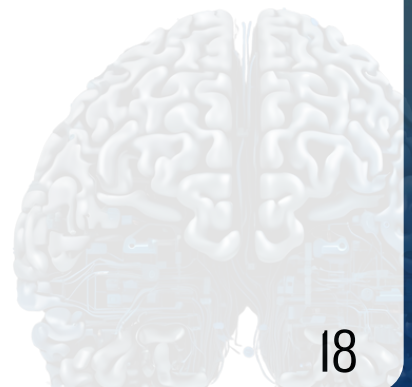
9:40 A.M. - 10:20 A.M.

Edward Chang, M.D., UCSF

Artificial Intelligence Detects Antidepressant Use From Nocturnal Breathing

10:20 A.M. - 11:00 A.M.

Dina Katabi, Prof., Massachusetts Institute of Technology



Schedule

FRIDAY, APRIL 25 (CONTINUED)

Coffee Break

10:40 A.M. - 11:00 A.M. • *Grand Ballroom Foyer*

Business Meeting and Awards

11:00 A.M. - 11:30 A.M. • *Grand Ballroom West and Centre*

Travel Award Programming Year 2 (Invitation and In Person Only)

11:30 A.M. - 12:30 P.M. • *Pine East*

Lunch

11:30 A.M. - 12:30 P.M. • *Grand Ballroom Foyer*

Fireside Chat | Inclusive Teaching and Mentoring: Best Practices

11:30 A.M. - 12:30 P.M. • *Simcoe / Dufferin*

Federal Funding Panel

12:30 P.M. - 1:30 P.M. • *Willow*

Concurrent Symposia

Mechanism-Driven Brain Network Therapeutics

12:30 P.M. - 2:30 P.M. • *Birchwood*

Environmental Pollution and Brain Development: Sex-Specific Pathways and Psychiatric Risk

12:30 P.M. - 2:30 P.M. • *Chestnut*

Normative Brain Modelling in Different Ethnoracial Groups, Depression, and Schizophrenia Spectrum Disorders

12:30 P.M. - 2:30 P.M. • *Civic Ballroom*

Integrative Genomic Efforts in PTSD: Updates From the PGC-PTSD

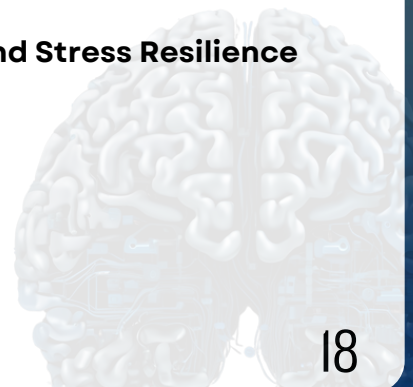
12:30 P.M. - 2:30 P.M. • *Dominion North*

Imaging and Cognitive AI-Derived Signatures of Neuropsychiatric Illness

12:30 P.M. - 2:30 P.M. • *Grand Ballroom West and Centre*

Serotonin 4 Receptors: A Novel Target for Cognition, Depression, and Stress Resilience

12:30 P.M. - 2:30 P.M. • *Provincial*



Schedule

FRIDAY, APRIL 25 (CONTINUED)

Oral Session III: Depression

12:30 P.M. - 2:30 P.M. • *Dominion South*

Social Media Panel

1:30 P.M. - 2:30 P.M. • *Willow*

Afternoon Break

2:30 P.M. - 3:00 P.M. • *Grand Ballroom Foyer*

Concurrent Symposia

The New Normal: Elucidating Mechanisms of Risk and Resilience in Late-Life Depression

3:00 P.M. - 5:00 P.M. • *Birchwood*

"Carving Nature at Its Joints": Dissecting Psychiatric Biology With the use of Artificial Intelligence

3:00 P.M. - 5:00 P.M. • *Chestnut*

AI, Equity, and Mental Health: Addressing Bias and Improving Outcomes for Marginalized Communities

3:00 P.M. - 5:00 P.M. • *Civic Ballroom*

What Have We Missed? - Mental Health in Modern Society: Social, Environmental, and Political Influences

3:00 P.M. - 5:00 P.M. • *Dominion North*

Objective Measures of Psychomotor Speed in Depression and psychosis: Applications in Prediction and Clinical Trials

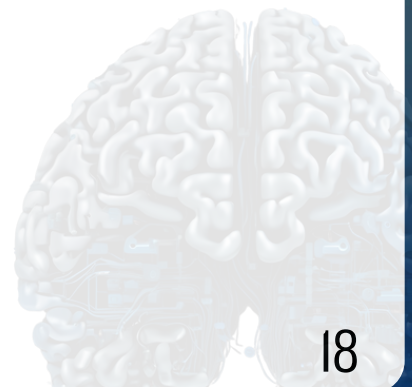
3:00 P.M. - 5:00 P.M. • *Grand Ballroom West and Centre*

Does One Size Fit All? Subgroup Modeling of Brain-Behavior Relationships in Psychiatry

3:00 P.M. - 5:00 P.M. • *Provincial*

Linking Aberrant Mitochondrial Metabolism, Neurotransmission and Cognition in Psychotic Disorders: Toward New, Targetable Neurobiological Markers of Psychosis

3:00 P.M. - 5:00 P.M. • *Willow*



Schedule

FRIDAY, APRIL 25 (CONTINUED)

Rising Star Oral Presentations

3:00 P.M. - 5:00 P.M. • *Dominion South*

Poster Session II

5:00 P.M. - 7:00 P.M. • *Sheraton Hall*

LGBTQIA+ Reception

6:30 P.M. - 8:00 P.M. • *Pine*

Early Career Hour Panel

6:30 P.M. - 8:00 P.M. • *Chestnut*

Program Committee Meeting and Dinner (Invite Only)

7:00 P.M. - 9:00 P.M. • *City Hall*

Trainee Social

8:30 P.M. - 10:30 P.M. • *The Corner Place*

SATURDAY, APRIL 26

Continental Breakfast

7:00 A.M. - 8:00 A.M. • *Grand Ballroom Foyer*

Speaker Ready Room

7:00 A.M. - 3:00 P.M. • *Vide*

Meal Seating

7:00 A.M. - 5:00 P.M. • *Grand Ballroom East*

Registration

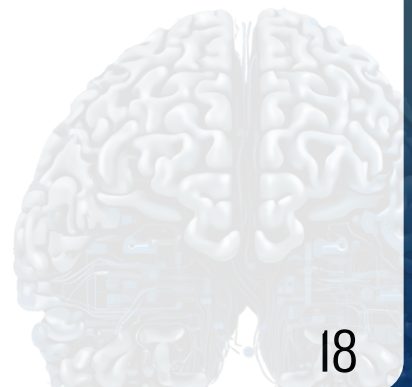
7:00 A.M. - 7:00 P.M.

KiddieCorp

8:00 A.M. - 7:00 P.M. • *Maple*

Lactation Room

8:00 A.M. - 7:00 P.M. • *Peel*



Schedule

SATURDAY, APRIL 26 (CONTINUED)

Plenary III: Research Promise, Ethical and Societal Implications

8:00 A.M. - 10:00 A.M. • *Grand Ballroom West and Centre*

Generative AI: Hype, Hope, and Responsible Use in Science and Everyday Life

8:00 A.M. - 8:40 A.M.

Doina Precup, Ph.D., McGill University and Mila / Google DeepMind

Social Media, AI, and the Mind: Intersections of Violence, Vulnerability, and Resilience through the eyes of Gakirah Barnes

8:40 A.M. - 9:20 A.M.

Desmond Patton, Ph.D., Perelman School of Medicine University of Pennsylvania

The Impact of AI and Digital Technology on Predicting Outcomes in Mental Health

9:20 A.M. - 10:00 A.M.

Guillermo Cecchi, Ph.D., IBM Research - T.J. Watson Laboratory

Exhibitors

8:00 A.M. - 5:00 P.M.

Break

10:00 A.M. - 10:20 A.M.

Plenary Debate: This House Proposes That AI-Enabled Therapeutics Will Revolutionize Mental Health Care

10:20 A.M. - 11:20 A.M. • *Grand Ballroom West and Centre*

Lunch

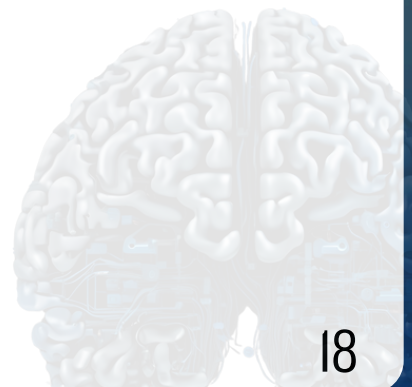
11:30 A.M. - 12:30 P.M. • *Grand Ballroom Foyer*

Travel Award Programming Year 3 (Invitation and In Person Only)

11:30 A.M. - 12:30 P.M. • *Pine East*

Fireside Chat | Systemic Disparities in Neuroscience and Psychiatry: Current Perspectives

11:30 A.M. - 12:30 P.M. • *Simcoe / Dufferin*



Schedule

SATURDAY, APRIL 26 (CONTINUED)

Concurrent Symposia

Uncovering Mechanisms of Action and Novel Targets in Depression and Suicide Risk Treatment

12:30 P.M. - 2:30 P.M. • *Birchwood*

Intergenerational Transmission of Risk for Mental Illness: Prenatal Determinants and Genetic Moderators

12:30 P.M. - 2:30 P.M. • *Chestnut*

Exploring Speech Biomarkers: Advancements in Clinical Psychiatry Research

12:30 P.M. - 2:30 P.M. • *Civic Ballroom*

Novel Neurobiological and Behavioural Insights Into Conduct Disorder/Problems and Callous-Unemotional Traits: Exploring Subtypes and Sex Differences

12:30 P.M. - 2:30 P.M. • *Dominion North*

Reward Learning and Mood in Daily Life: Intensive Multi-Modal Longitudinal Studies

12:30 P.M. - 2:30 P.M. • *Dominion South*

What Goes Up Must Go Down: Transdiagnostic Modulation of the Default Mode Network for Clinical Translation

12:30 P.M. - 2:30 P.M. • *Grand Ballroom West and Centre*

Bridging Observational Studies and Clinical Trials: Hormonal Influences on Women's Mental Health

12:30 P.M. - 2:30 P.M. • *Provincial*

Causal Inference Approaches to Support Decision-Making in First Episode Psychosis Care

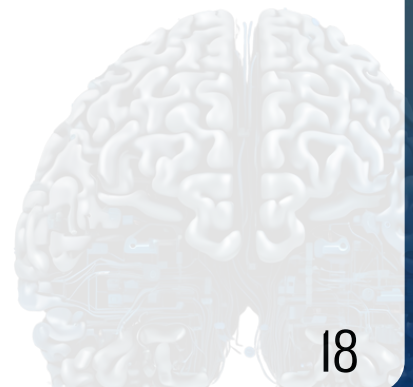
12:30 P.M. - 2:30 P.M. • *Willow*

Travel Award Photos (In Person Only)

2:00 P.M. - 3:00 P.M. • *Carleton*

Break

2:30 P.M. - 3:00 P.M. • *Grand Ballroom Foyer*



Schedule

SATURDAY, APRIL 26 (CONTINUED)

Concurrent Symposia

Artificial Intelligence and Multimodal Data to Predict Outcomes of Antidepressant Treatment in Major Depressive Disorder

3:00 P.M. - 5:00 P.M. • *Birchwood*

Beyond the Prefrontal Cortex: Posterior Brain Regions as TMS Targets

3:00 P.M. - 5:00 P.M. • *Chestnut*

The Accelerating Medicines Partnership Schizophrenia (AMP-SCZ) Project: Prior Findings and Future Prospects for Four Biomarker Domains in Individuals at Clinical High Risk for Psychosis

3:00 P.M. - 5:00 P.M. • *Civic Ballroom*

The Link Between Brain Development and Trajectories of Youth Mental Health: Initial Insights From Longitudinal Community and Clinical Cohorts

3:00 P.M. - 5:00 P.M. • *Dominion North*

The Algorithm Will See You Now: From Subjective Ratings to Multimodal AI-Driven Psychiatric Assessments

3:00 P.M. - 5:00 P.M. • *Grand Ballroom West and Centre*

Focusing the Individual in Biological Psychiatry: Can We Assume Group-to-Individual Generalizability?

3:00 P.M. - 5:00 P.M. • *Provincial*

The Neurobiological Correlates of Suicidality and Mental Distress in Sexual and Gender Minorities

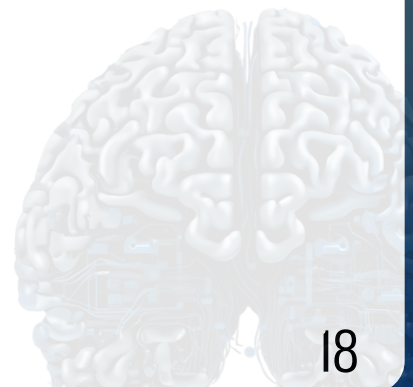
3:00 P.M. - 5:00 P.M. • *Willow*

Oral Session IV: Schizophrenia Spectrum Disorders

3:00 P.M. - 5:00 P.M. • *Dominion South*

Poster Session III

5:00 P.M. - 7:00 P.M. • *Sheraton Hall*



Evaluation & CME Credits

Acknowledgement of Financial Commercial Support

No financial commercial support was received for this educational activity.

Acknowledgement of In-Kind Commercial Support

No in-kind commercial support was received for this educational activity.

Satisfactory Completion

Learners must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

Joint Accreditation Statement



In support of improving patient care, this activity has been planned and implemented by Amedco LLC and Society of Biological Psychiatry (SOBP). Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team. Amedco Joint Accreditation #4008163.

Physicians (ACCME) Credit Designation

Amedco LLC designates this **live activity** for a maximum of **20.25 AMA PRA Category 1 Credits (TM)**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Amedco LLC designates this **enduring material** for a maximum of **96.25 AMA PRA Category 1 Credits (TM)**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Please note the 20.25 live hours cannot also be claimed as enduring hours.*

Objectives - After Attending This Program You Should Be Able To

1. Identify biological mechanisms involved in the development, treatment, and intervention of psychiatric illnesses.
2. Describe new developments in the utilization of network and path approaches to understanding complexity in psychiatric neuroscience.
3. Identify the pros and cons of network, pathway, parallel analytic, and big data approaches compared to focused, candidate-driven, and serially organized scientific approaches.

Continuing Education Credits & Certificate of Attendance

There is a \$40.00 charge to apply for CME credits. There is no charge to request a certificate of attendance. Once you have completed the evaluation, you will be asked if you would like to apply for CE credits or a certificate of attendance. Select 'Apply for Hours' and it will direct you to login and attest the sessions you attended. Once complete, your certificate will be emailed to you immediately. Additional information regarding CEs is below.

The deadline to complete the evaluation and request a certificate is July 11, 2024. The evaluation will be sent at the conclusion of the in-person conference.



SAVE THE DATE
2026

SOBP 2026 ANNUAL MEETING

Building Better Brains: From Synapses to Societies

April 30 - May 2, 2026
NEW YORK CITY, NEW YORK



SOBP

SOCIETY OF
BIOLOGICAL
PSYCHIATRY

Collaborating to reduce suffering from mental illness