

THE 22ND ANNUAL
ASENT2020
ANNUAL
MEETING



BETHESDA, MD
MAR 2-5, 2020

ASENT.ORG

#ASENT2020



ADVANCE
PROGRAM

Dear Colleagues,



Thomas Sutula, MD, PhD,
University of Wisconsin, Madison
President, ASENT

The ASENT2020 Annual Meeting will highlight **Technology Transfer and Innovation in Neuroscience**, a series of talks that explore such topics as the challenges to innovation and therapy development in contemporary health systems and trans-pacific therapy development in the field of neuroscience. Attendees will find this theme of innovation and development continues throughout the meeting. This symposium will feature our **keynote speaker, Clark Otley, MD, Medical Director, Mayo Clinic Ventures**.

Dr. Michael Okun, Executive Director, Norman Fixel Institute for Neurological Diseases, and Chair and Professor, Department of Neurology at University of Florida, will chair the symposium titled, **“Closing the Loop in Deep Brain Stimulation,”** on Tuesday, March 3, 2020. Dr. Okun trained with Mahlon DeLong, Jerrold Vitek and Ray Watts at Emory University in Atlanta, GA before founding the movement disorders program at the University of Florida.

Attendees will also have an opportunity to hear top abstracts selected for presentation by the Abstract Review Committee. On Wednesday, March 4, 2020, **24 selected abstracts will be presented as part of the ASENT Pipeline Datablitz**. Each presenter will have the opportunity to present 3 slides in 3 minutes, with 2 minutes to answer 1 question. Abstracts qualify for an ASENT Pipeline Data Blitz presentation when they are submitted as an Abstract Submission in advance of the January 21, 2020 deadline. Abstracts can be submitted via <https://www.asent.org/event/2020abstracts>.

Dietrich Haubenberger, MHSc, MD, Neurocrine and Mark Hallett, MD, National Institute of Neurological Disorders and Stroke have developed a symposium titled, **“Tremor, the Most Common Movement Disorder: New Insights Gleaned.”** This symposium, which will take place on Thursday, March 5, 2020, will address advances in one of the most common clinical movement disorders and will focus on new insights into pathophysiology, genetics, pharmacology and devices. This session will also include the issue of tremor of childhood.

Other special events include the **Careers in Neuroscience Dinner**, during which invited speakers showcase the wide range of career opportunities available in neuroscience related fields. Each presenter will take a few minutes to share an overview of their career and highlight any unique career opportunities they have discovered along the way. Participants and faculty from the **Training in Neurotherapeutics Discovery and Development for Academic Scientists**, affectionately known as **The Course**, also participate in this dynamic event. This reception and dinner is a wonderful way to kick off the meeting on Monday, March 2, 2020.

Finally, ASENT continues its dedication to our international colleagues. We are pleased to welcome guests from the Japanese Society of Neurological Therapeutics and are honored to continue the tradition of neurological education and research among academic neurologists around the world. I, along with the Board of Directors and the Program Committee, invite you to make the most of this outstanding meeting.

Best,

Thomas Sutula, MD, PhD
University of Wisconsin, Madison
President, ASENT

WHAT IS ASENT?

The **American Society for Experimental Neurotherapeutics (ASENT)** is an independent non-profit organization established in 1997 by leaders in academia, government, advocacy and industry to facilitate the process by which new therapies are made available to patients with neurological disorders. Its primary goal is to encourage and advance the development of improved therapies for diseases and disorders of the nervous system.

MEETING AT A GLANCE

Monday, March 2, 2020	
5:00pm - 6:00pm	Cocktail Reception
6:00pm - 8:00pm	Careers in Neuroscience Dinner
Tuesday, March 3, 2020	
8:00am - 9:00am	Keynote: Challenges to Innovation and Therapy Development in Contemporary Health Systems
9:00am - 9:30am	AUTM on Tech Transfer in Neuroscience
9:30am - 10:00am	Trans-Pacific Therapy Development: bidirectional challenges btwn Japan and North America
10:00am - 10:30am	Break
10:30am - 12:00pm	Tech Transfer Panel
12:00pm - 1:30 pm	Special Interest Group Lunches: Tech Transfer in Neurotherapeutics Industry in Neurotherapeutics Academia in Neurotherapeutics Advocacy in Neurotherapeutics
1:30pm - 3:00pm	Neuromodulation for Neuropsychiatric Disease
1:30pm - 3:00pm	Autophagy-Lysosome pathway in neurodegenerative diseases
3:00pm - 3:30pm	Break
3:30pm - 5:00pm	Closing the loop in DBS
3:30pm - 5:00pm	Neuroinflammation in demyelinating and degenerative diseases
5:00pm - 6:00pm	Poster Reception
6:00pm - 8:00pm	Truth and Technology: Where Neuroethics and Wearables Meet
Wednesday, March 4, 2020	
8:00am - 9:30am	Regulatory Update: Drugs and Devices Panel Presentation
8:00am - 9:30am	Translational Medicine
9:30am - 10:00am	Business Meeting
10:00am - 10:30am	Break
10:30am - 12:00pm	Gene Therapies for Neurodegenerative Disease: Development and Regulatory
10:30am - 12:00pm	Advocacy groups role in accelerating drug development
12:00pm - 1:00pm	Small Business Innovation Research (SBIR) Lunch and Learn
12:00pm - 1:00pm	Neurotherapeutics Topics Buzz: Meet the Guest Editors
1:00pm - 3:00pm	ASENT Pipeline Datablitz: 3 Minute Presentation of Selected Posters
3:00pm - 3:30pm	Break
3:30pm - 5:00pm	Integration of Wearable Technologies in Neurotherapeutics
3:30pm - 5:00pm	Natural History in Neuroscience
5:00pm - 7:00pm	Poster Reception
7:00pm - 8:00pm	Past Presidents Reception
Thursday, March 5, 2020	
8:30am - 10:00am	Epilepsy Update: The progression of seizures from breakthrough to clusters to prolonged to status
8:30am - 10:00am	Evolution of AAVs for Widespread Gene Delivery to the Central Nervous System
10:00am - 10:30am	Break
10:30am - 12:00pm	Patient-Customized Oligonucleotide Therapy for an Ultra-Rare Neurogenetic Disease
10:30am - 12:00pm	Tremor the Most Common Movement Disorder: New Insights Gleaned: Pathophysiology, Genetics, Therapy
Meeting Concludes	

WHY ATTEND ASENT2020

ASENT2020 is the premier neurotherapeutics conference where senior leaders from across payers, providers, employers, investors, fast-growing startups, pharma, policymakers, funders and innovation centers gather to ask one question: how can we improve the process of bringing neurotherapeutics to market?

The conference content will focus on the latest science in neurotherapeutics including innovations across disease states, novel delivery systems, gene therapy, the latest drug therapies and devices. The event features plenary sessions, panel discussions, business roundtables, and networking meetings.

MEETING DETAILS

ASENT2020 Meeting Dates

Monday, March 2 - Thursday, March 5, 2020

Abstract Submissions

October 1, 2019 - January 21, 2020

asent.org/event/2020abstracts

Registration Opens

November 1, 2019

Early Bird Deadline

February 8, 2020

asent.org/event/asent2020

Hotel Reservation Deadline

February 3, 2020

Meeting Location

Hyatt Regency Bethesda

Metro Center, 1,

Bethesda, MD 20814

asent.org/page/2020AMHotel

WHO ATTENDS

Chief Medical Officers

CEOs

Founders

Chairs of Neurology

Executive Directors

FDA

NINDS

NIMH

NIA

Investors

Innovation Centers

Journal Editors

Drug and Device Companies

Communication Companies

Health Systems

Foundations

MEETING DETAIL

MONDAY, MARCH 2, 2020

3:00pm - 5:00pm	Registration
5:00pm - 6:00pm	Welcome Reception
6:00pm - 8:00pm	<p>Careers in Neuroscience Dinner All Attendees Invited</p> <p>Description: The ASENT board of directors started this dinner several years ago to showcase the wide range of career opportunities available in neuroscience related fields. Each presenter will take a few minutes to share an overview of their career and highlight any unique career opportunities they have discovered along the way.</p> <p>CHAIR: Thomas Sutula, MD, PhD, University of Wisconsin, Madison</p>

TUESDAY, MARCH 3, 2020

6:30am - 8:00am	Registration
6:00am - 8:00am	Breakfast
8:00am - 9:00am	<p>Keynote Address: Challenges to Innovation and Therapy Development in Contemporary Health Systems</p> <p>SPEAKER: Clark Otley, MD, Medical Director, Mayo Clinic Ventures</p> <p>CHAIR: Thomas Sutula, MD, PhD, University of Wisconsin, Madison</p>
9:00am - 9:30am	<p>How Technology Transfer is turning science into solutions</p> <p>CHAIR: Carole Burns, MBA, PhD, Johns Hopkins Technology Ventures CO-CHAIR: John Richert, MD, Richert Partners</p>
9:30am - 10:00 am	<p>Trans-Pacific Therapy Development: bidirectional challenges between Japan and North America</p> <p>DESCRIPTION: This session is jointly sponsored by the Japanese Society of Neurological Therapeutics and ASENT. Speakers include representatives from both Japanese and American industry as well as regulatory representatives discussing the specific challenges of developing and transferring new therapies between Japan and North America.</p> <p>CHAIR: Thomas Sutula, MD, PhD, University of Wisconsin, Madison</p>
10:00am - 10:30am	Break
10:30am - 12:00pm	<p>Symposium: Technology Transfer Panel Discussion</p> <p>CHAIR: Carole Burns, MBA, PhD, Johns Hopkins Technology Ventures CO-CHAIR: John Richert, MD, Richert Partners</p>

TUESDAY, MARCH 3, 2020 continued

<p>12:00pm - 1:30pm</p>	<p>Special Interest Group Lunches Tech Transfer in Neurotherapeutics CHAIR: John Richert, MD, Richert Partners CO-CHAIR: Carole Burns, MBA, PhD, Johns Hopkins Technology Ventures</p> <p>Industry in Neurotherapeutics CHAIR: Laura Rosen, MD, PhD, Takeda CO-CHAIR: Gail Farfel, PhD, Zogenix</p> <p>Advocacy in Neurotherapeutics CHAIR: Nancy Santilli, MSN, Human Care Systems CO-CHAIR: Sharon Tamir, Karyopharm</p> <p>Academia in Neurotherapeutics CHAIR: Christopher Hess, MD, University of Florida CO-CHAIR: Aditya Joshi, MD, Stanford Medicine</p>
<p>1:30pm - 3:00 pm</p>	<p>Symposium: Neuromodulation for Neuropsychiatric Disease</p> <p>DESCRIPTION: The symposium will review the approved indications for neuromodulation in neurological and psychiatric disorders, as well as investigation in new indications, such as addiction and disorders of consciousness.</p> <p>CHAIR: Martha Morrell, MD, PhD, NeuroPace, Stanford Medicine</p>
<p>1:30pm - 3:00 pm</p>	<p>Symposium: Autophagy-Lysosome pathway in neurodegenerative diseases</p>
<p>3:00pm - 3:30 pm</p>	<p>Break</p>
<p>3:30pm - 5:00 pm</p>	<p>Symposium: Closing the loop in Deep Brain Stimulation (DBS)</p> <p>DESCRIPTION: Symposium will describe novel strategies for closed loop and adaptive deep brain stimulation for various neurological conditions.</p> <p>CHAIR: Michael Okun, MD, University of Florida Health CO-CHAIR: Debra Ehrlich, MD, MS, National Institute of Neurological Disorders and Stroke</p>
<p>3:30pm - 5:00 pm</p>	<p>Symposium: Neuroinflammation in demyelinating and degenerative diseases</p> <p>DESCRIPTION: To highlight similarities and differences in neuroinflammation among Multiple Sclerosis, Alzheimer's Disease and Parkinson's Disease and their implications on drug development.</p> <p>CHAIR: Suhayl Dhib-Jalbut, MD, Rutgers - Robert Wood Johnson Medical School</p>
<p>5:00 - 6:00 pm</p>	<p>Poster Reception</p>
<p>6:00 - 8:00 pm</p>	<p>Dinner Symposium: Truth and Technology: Where Neuroethics and Wearables Meet</p> <p>DESCRIPTION: A presentation by Karola Kreitmair, PhD, MA, MSc, University of Wisconsin, on the neuroethics in the field of wearables followed by a discussion with Frank Fischer, MS, NeuroPace, Inc. moderated by Martha Morrell, MD, PhD, NeuroPace, Inc.</p> <p>CHAIR: Thomas Sutula, MD, PhD, University of Wisconsin, Madison CO-CHAIR: Martha Morrell, MD, PhD, NeuroPace, Inc.</p>

WEDNESDAY, MARCH 4, 2020

6:30am - 8:00am	Registration
6:00am - 8:00am	Breakfast
8:00am - 9:30 am	Symposium: Regulatory Update: Drugs and Devices Panel Presentation
8:00am - 9:30 am	Symposium: Translational Medicine
9:30am - 10:00am	ASENT Business Meeting
10:00am - 10:30am	Break
10:30am - 12:00pm	<p>Symposium: Gene Therapies for Neurodegenerative Disease: Development and Regulatory</p> <p>DESCRIPTION: The recent FDA approvals of gene therapies for neuromuscular and retinal diseases are two bright spots among many gene medicine candidates. Presenters will compare drug versus gene therapies for CNS disease, and the unique regulatory challenges for the later.</p> <p>CHAIR: C. Anthony Altar, PhD, Verge Genomics</p>
10:30am - 12:00pm	<p>Symposium: The role of advocacy groups in accelerating drug development</p> <p>DESCRIPTION: Foundations leading the way in funding neuroscience research will discuss projects they have funded and the impact the research has had on the broader scientific community.</p> <p>CHAIR: Sharon Tamir, Karyopharm CO-CHAIR: Christopher Hess, MD, University of Florida</p>
12:00pm - 1:00pm	<p>Lunch Panel Discussion: Small Business Innovation Research (SBIR) Funding Across the Spectrum</p> <p>CHAIR: Sharon Tamir, Karyopharm CO-CHAIR: Amir Tamiz, PhD, National Institute of Neurologic Disorders and Stroke</p>
1:00pm - 3:00pm	<p>Symposium: ASENT Pipeline Data Blitz</p> <p>Abstracts qualify for an ASENT Pipeline Data Blitz presentation when they are submitted as an Abstract Submission in advance of the January 21, 2020 deadline. The Abstract Review Committee is pleased to announce there will be 24 abstracts presented as part of the ASENT Pipeline Data Blitz.</p> <p>Each presenter will have the opportunity to present 3 slides in 3 minutes, with 2 minutes to answer 1 question. The Abstract Review Committee is committed to presenting the best in neurotherapeutic research at the ASENT Annual Meeting.</p> <p>CHAIR: Thomas Sutula, MD, PhD, University of Wisconsin, Madison CO-CHAIR: Christopher Hess, MD, University of Florida</p>
3:00pm - 3:30pm	Break
3:30pm - 5:00pm	<p>Symposium: Integration of Wearable Technologies in Neurotherapeutics</p> <p>DESCRIPTION: Non-invasive home monitoring of neurological symptoms is a burgeoning field that has implications for quantitative assessments of novel therapeutics in clinical trials, direct to consumer products, and physician billed symptom monitoring that might dovetail with telemedicine in the future.</p> <p>CHAIR: Christopher Hess, MD, University of Florida CO-CHAIR: Steve Schachter, MD, Harvard Medical School, CIMIT</p>

WEDNESDAY, MARCH 4, 2020 continued

3:30pm - 5:00pm	<p>Symposium: Natural History in Neuroscience</p> <p>DESCRIPTION: This symposium will explore the use of natural history in clinical trial development.</p> <p>CHAIR: Alex Sherman, MS, Neurological Clinical Research Institute, Harvard Medical School CO-CHAIR: Sharon Tamir, Karyopharm</p>
5:00pm - 7:00pm	Poster Reception
7:00pm - 9:00pm	Past Presidents' Reception

THURSDAY, MARCH 5, 2020

6:30am - 8:00am	Registration
6:00am - 8:00am	Breakfast
8:30am - 10:00am	<p>Symposium: Epilepsy Update: The progression of seizures from breakthrough to clusters to prolonged to status</p> <p>CHAIR: Enrique Carrazana, MD, Marinus Pharmaceuticals CO-CHAIR: Danilo Vitorovic, MD, University of Vermont Medical Center</p>
8:30am - 10:00am	<p>Symposium: Evolution of AAVs for Widespread Gene Delivery to the Central Nervous System</p> <p>CHAIR: Sripriya Ravindra Kumar CO-CHAIR: Carole Burns, MBA, PhD, Johns Hopkins Technology Ventures</p>
10:00am - 10:30am	Break
10:30am - 12:00pm	<p>Symposium: Patient-Customized Oligonucleotide Therapy for an Ultra-Rare Neurogenetic Disease</p> <p>CHAIR: Toby Ferguson, MD, PhD, Biogen</p>
10:30am - 12:00pm	<p>Symposium: Tremor, the Most Common Movement Disorder: New Insights Gleaned</p> <p>DESCRIPTION: This symposia will address advances in one of the most common clinical movement disorders and will focus on new insights into pathophysiology, genetics, pharmacology and devices. This session will also include the issue of tremor of childhood.</p> <p>CHAIR: Dietrich Haubenberger, MHSc, MD, Neurocrine CO-CHAIR: Mark Hallett, MD, National Institute of Neurological Disorders and Stroke</p>
	Meeting Concludes

REGISTRATION RATES

Early Bird Discount: additional 10% off if purchased before **Feb 8, 2020**

ACADEMIA

Full Meeting Member: \$450 | NonMember: \$550

One Day Member: \$270 | NonMember: \$330

ADVOCACY

Full Meeting Member: \$150 | NonMember: \$200

One Day Member: \$90 | NonMember: \$120

GOVERNMENT

Full Meeting Member: \$250 | NonMember: \$300

One Day Member: \$150 | NonMember: \$180

INDUSTRY

Full Meeting Member: \$650 | NonMember: \$750

One Day Member: \$390 | NonMember: \$450

RETIRED

Full Meeting Member: \$200 | NonMember: \$250

One Day Member: \$120 | NonMember: \$150

TRAINEE

Full Meeting Member: \$200 | NonMember: \$250

One Day Member: \$50 | NonMember: \$100

Register at <https://asent.org/event/asent2020>

PROGRAM COMMITTEE

CHAIRS

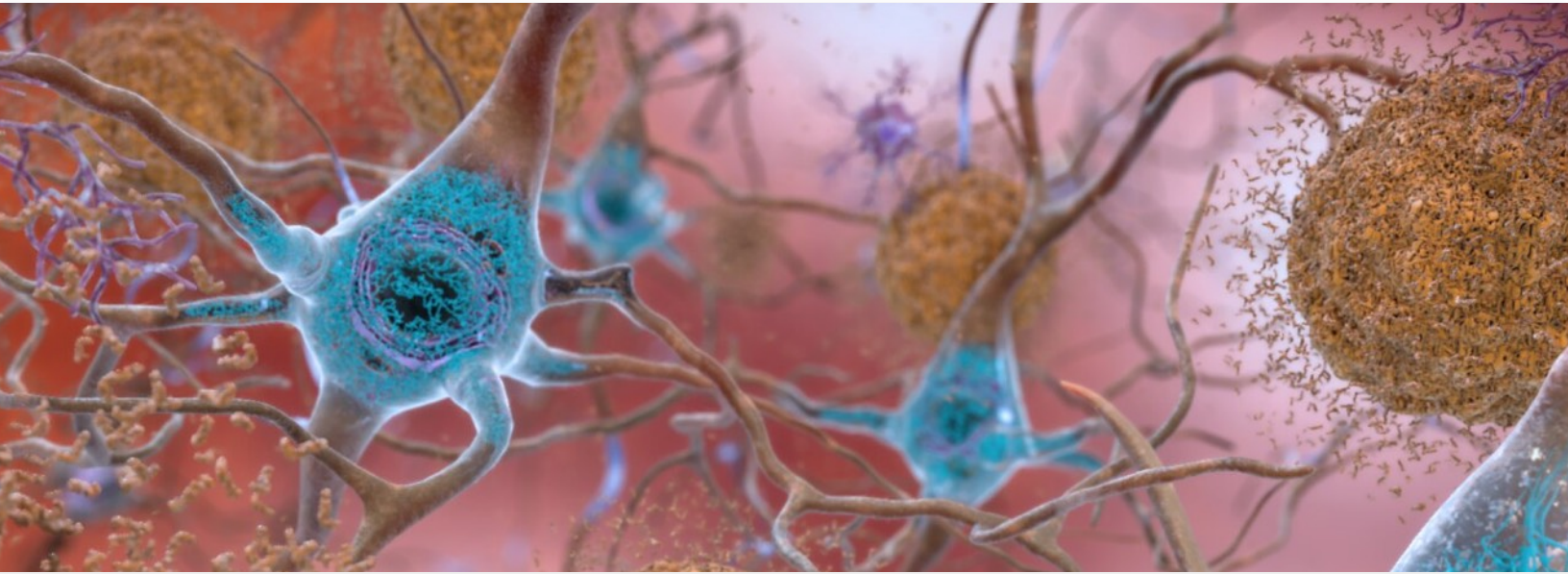
C Anthony Altar, PhD, Chair
Verge Genomics
Sharon Tamir, Co-Chair
Karyopharm
Christopher Hess, MD, Co-Chair
University of Florida

MEMBERS

Enrique Carrazana, MD
Marinus Pharmaceuticals
Amy Chappell, MD
PPD
Suhayl Dhib-Jalbut, MD,
Rutgers-Robert Wood Johnson Medical School
Tracy Dixon-Salazar, PhD
Lennox Gastaut Foundation
Debra Ehrlich, MD, MS
NINDS
Stewart Factor, DO
Emory University
Gail Farfel, PhD
Zogenix
Wendy Galpern, MD, PhD
Johnson and Johnson
Dietrich Haubenberger, MHSc, MD
Neurocrine
Aditya Joshi, MD
Stanford Medicine
John Richert, MD
Richert Partners
Laura Rosen, MD, PhD
Takeda
Cynthia Rothblum-Oviatt, PhD
AT Children's Project
Nancy Santilli, MSN
Human Care Systems
Steve Schachter, MD
CIMIT/Harvard Medical School
Dwain Tolbert, PhD
Lundbeck
Danilo Vitorovic, MD
University of Vermont

EX-OFFICIO

Thomas Sutula, MD, PhD
University of Wisconsin, Madison
Martha Morrell, MD, PhD
NeuroPace, Inc.
Bennett Lavenstein, MD
Children's National Health System
Amir Tamiz, PhD
NINDS
Robert Hamill, MD
University of Vermont
Barbara Slusher, MAS, PhD
Johns Hopkins University
Michael Rogawski, MD, PhD
University of California, Davis



MEETING DETAILS

ASENT2020 Meeting Dates

Monday, March 2 - Thursday, March 5, 2020

Abstract Submissions

October 1, 2019 -
January 21, 2020

asent.org/event/2020abstracts

Registration Opens

November 1, 2019

Early Bird Deadline

February 8, 2020

asent.org/event/asent2020

Hotel Reservation Deadline

February 3, 2020

Meeting Location

Hyatt Regency Bethesda
Metro Center, 1,
Bethesda, MD 20814

asent.org/page/2020AMHotel

Contact us at caroline@asent.org for additional information.