

**AHS 61st Annual Scientific Meeting
Preliminary Program Agenda**

THURSDAY, JULY 11, 2019

6:30 am – 7:30 am	Industry-support Session Decreasing CGRP: Alternative Migraine Prevention Options Catch Up* <i>Supported by Linpharma Inc.</i> <i>*Session not eligible for CME</i>
8:00 am – 10:00 am	Pre-Meeting Courses
8:00 am – 10:00 am	PC1: The Anatomy of Headache and Orofacial Pain: An Interventional Based Cadaver Course
8:00 am - 8:20 am	Temporomandibular Disorders: Diagnosis and Management Marcela Romero-Reyes, DDS, PhD, FAHS University of Maryland
8:20 am - 8:40 am	Cranial Neuralgias: Nerve Blocks and Other Interventional Procedures Paul Mathew, MD, DNBPAS, FAHS Harvard Medical School/John R. Graham Headache Center Brigham & Women's Hospital
8:40 am - 9:20 am	Expert Panel Discussion Marcela Romero-Reyes, DDS, PhD, FAHS University of Maryland Paul Mathew, MD, DNBPAS, FAHS Harvard Medical School/John R. Graham Headache Center Brigham & Women's Hospital Rami Burstein, PhD Beth Israel Deaconess Medical Center Stephen D. Silberstein, MD, FAHS Jefferson Headache Center
9:20 am - 10:00 am	Cadaver Dissection Session Daniel Choi, DDS, MD Thomas Jefferson University Hospital
8:00 am – 10:00 am	PC2: Bridging the Gap Between Statistics and Applied Headache Research: A Collaborative Approach
8:00 am – 8:10 am	Welcome and Introductions Megan B. Irby, MD Wake Forest School of Medicine
8:10 am - 8:35 am	Key Components to Designing (and Critiquing) Quantitative Headache Research Studies James McGinley, PhD Vector Psychometric Group, LLC
8:35 am - 9:00 am	Fundamental Statistical Concepts for Better Understanding and Conducting Headache

Research
Elizabeth Seng, PhD, FAHS
Albert Einstein College of Medicine
Yeshiva University

9:00 am - 9:20 am How to Choose and Effectively Work with a Statistical Consultant
RJ Wirth, PhD
Vector Psychometric Group, LLC

9:20 am – 9:40 am Insights on Research Design, Methods and Statistical Approaches
Richard B. Lipton, MD, FAHS
Albert Einstein College of Medicine

9:40 – 10:00 am Panel Discussion and Questions

10:00 am – 10:30 am Coffee Break

10:30 am – 12:30 pm Pre-Meeting Courses

10:30 am – 12:30 pm PC3: Survival Skills in Practice: Coding, Practice Management, and EMR Efficiencies

10:30 am - 10:35 am Introductions
Brad Klein, MD, MBA
Abington Neurological Associates

10:35 am - 11:00 am Basic Coding
Jessica Ailani, MD, FAHS
Medstar Georgetown University Hospital

11:00 am - 11:25 am Advanced Coding
Raissa Villanueva, MD, MPH
University of Rochester Medical Center

11:25 am- 11:35 am Improving Your Efficiency with Your EMR
Christina Szperka, MD, MSCE, FAHS
Children's Hospital of Philadelphia

11:35 am - 12:15 pm Practice Management Overview
Brian Grosberg, MD, FAHS
Ayer Neuroscience Institute, Hartford Healthcare

**10:30 am – 12:30 pm Extinguishing Burnout: Finding Professional Fulfillment & Wellness in Life – The
2019 AHS Women’s Leadership Development Program**

10:30 am - 10:40 am Advocacy as an Antidote to Burnout
Amaal Starling, MD, FAHS
Mayo Clinic

10:40 am - 10:50 am Can Your Workplace Reflect Your Needs? What Is Possible at the Institutional Level
for Improving Fulfillment
Rebecca Burch, MD, FAHS
Brigham and Women's Hospital
Harvard Medical School

10:50 am - 11:00 am	Setting Yourself up for Success with Healthy Expectations Sara Sacco, MD, FAHS Carolinas Headache Clinic
11:00 am - 11:10 am	Building Work-Life Integration and Resilience Rebecca Wells, MD, MPH, FAHS Wake Forest University Baptist Medical Center
11:10 am -11:20 am	Stepping in Vs. Stepping Back in Your Work and Life Dawn Buse, PhD, FAHS Albert Einstein College of Medicine
11:20 am - 11:30 am	Organizing Your Time for Fulfillment and Success (E.g., “time management”) Matthew S. Robbins, MD, FAHS Weill Cornell Medical College
8:00 am – 12:30 pm	Hot Topics in Basic Science Symposium
8:00 am – 8:19 am	Sex Differences in Meningeal Nociceptive Mechanisms Greg Dussor, PhD The University of Texas at Dallas
8:19 am – 8:38 am	The Role of Delta Opioid Receptors in Trigeminovascular Pain Amynah Pradhan, PhD University of Chicago
8:38 am – 8:57 am	Perivascular CGRP Actions in Migraine Andrew F. Russo, PhD Carver College of Medicine
8:57 am – 9:16 am	Migraine/Pain and Opioid Mechanisms in our Brains. How Genetics, Attack Severity, and Treatment Impact Our Own Painkillers Alexandre F. DaSilva, DDS, DMedSc University of Michigan
9:16 am– 9:35 am	Efficacy, and Mechanisms of Action of CGRP Receptor Antagonists in Experimental Ischemic Stroke: Increased Cerebrovascular Event Risk? Cenk Ayata, MD, PhD Massachusetts General Hospital
9:35 am – 9:54 am	Understanding Multisensory Hypersensitivity in Migraine Mary Heinricher, PhD Oregon Health and Sciences University
9:54am – 10:13 am	Neuronal PAC1 Receptors Mediate Delayed Activation and Sensitization of Trigemino-cervical Neurons: Relevance to Migraine Simon Akerman, PhD, FAHS University of Maryland
10:15 am – 10:40 am	Break
10:40 am – 11:00 am	Inflammatory Role in Migraine

Aaron Schain, PhD
Beth Israel Deaconess Medical Center

11:00 am – 12:00 pm

Data Blitz

- 11:00 am – 11:05 am (DB01) Single-cell RNA Sequencing of Migraine Associated Genes Across Neuronal, Glial and Neurovascular Cell Types in the Central and Peripheral Nervous System
Angeliki Vgontzas, MD
Graham Headache Center
- 11:05 am – 11:10 am (DB02) Central Mechanisms of Cortical Spreading Depression Inhibition by Vagus Nerve Stimulation
Andreia Morais, MS
Massachusetts General Hospital
- 11:10 am – 11:15 am (DB03) Cerebral and Systemic Angiopathy in Middle-aged People with Migraine
Ken Ikeda, MD, PhD
Toho University Omori Medical Center
- 11:15 am – 11:20 am (DB04) The Role of Cerebellar CGRP in Migraine-like Behavior
Mengya Wang, MS
University of Iowa
- 11:20 am – 11:25 am (DB05) Central Sites Controlling CGRP-induced Light-aversive Behavior
Levi Sowers, PhD
Va Center for the Prevention and Treatment of Visual Loss
- 11:25 am – 11:30 am (DB06) Noninvasive Vagus Nerve Stimulation Inhibits Trigeminal Nociception in Two Episodic Migraine Models by Enhancing Descending Pain Modulation
Paul Durham, PhD
Missouri State University
- 11:30 am – 11:35 am (DB07) Novel Receptor Activity Mapping of Methysergide and Its Metabolite, Methylergometrine, Provides a Mechanistic Rationale for Both the Clinically Observed Efficacy and Risk of Fibrosis in Patients with Migraine
Miguel Guzman, PhD
Xoc Pharmaceuticals
- 11:35 am – 11:40 am (DB08) Cortical Spreading Depression Inhibition by Non-invasive Vagus Nerve Stimulation: Dose-response and Duration of Effect
Andreia Morais, MS
Massachusetts General Hospital
Harvard Medical School
- 11:40 am – 11:45 am (DB09) Early Life Stress-induced Increases in Cortical Spreading Depression Susceptibility and Anxiety Are Not Expressed in the Progeny of Stressed Male Rats
Stuart Collins, PhD
University of Toledo
- 11:45 am – 11:50 am (DB10) Early Life Stress Promotes Development of a Sensitized Trigeminal System and Gut Dysbiosis That Is More Severe in Females
Paul Durham, PhD
Missouri State University

11:50 am – 11:55 am	(DB11) Noninvasive Vagus Nerve Stimulation and Morphine Transiently Inhibit Trigeminal Pain Signaling in a Chronic Migraine Model Paul Durham, PhD, Missouri State University
11:55 am – 12:00 am	(DB12) Diffuse Vasogenic Leakage of Gadolinium Contrast in Patients with Syndrome of Headache and Neurological Deficits with CSF Lymphocytosis (HANDL) George Vilanilam, MD Mayo Clinic
12:00 pm – 12:30 pm	Panel Discussion
12:30 pm – 1:30 pm	Industry-supported Session The Latest Data for Aimovig (erenumab-aooe)* <i>Supported by Novartis Pharmaceuticals</i> <i>*Session not eligible for CME</i>
2:15 pm – 2:30 pm	Welcome / Opening Remarks / AMF Update
2:30 pm – 3:00 pm	Keynote Speaker
2:30 pm – 2:35 pm	Introduction
2:35 pm – 3:00 pm	Concussion Chris Nowinski Concussion Legacy Foundation
3:00 pm– 4:00 pm	Opening Plenary – Philadelphia Tribute
3:00 pm – 3:15 pm	Headache Treatment from Anecdote to Evidenced Based Guidelines Stephen D. Silberstein, MD, FAHS Jefferson Headache Center
3:15 pm - 3:30 pm	The Birth of Idiopathic Intracranial Hypertension without Papilledema Shuu-Jiun Wang, MD, FAHS Neurological Institute, Taipei Veterans General Hospital
3:30 pm - 3:45 pm	Inventing the Future: How Headache Classification Research Reshapes Clinical Trials and Clinical Practice Richard B. Lipton, MD, FAHS Albert Einstein College of Medicine
3:45 pm - 4:00 pm	Blaming, Naming and Re-framing Migraine: The Birth of Migraine Advocacy William B. Young Jr., MD, FAHS Jefferson Headache Center
4:00 pm – 4:30 pm	Special Interest Section Fair
4:30 pm – 5:15 pm	AHS Membership Meeting
5:15 pm – 6:30 pm	Exhibit and Poster Reception
6:30 pm – 7:30 pm	Industry-supported Session

Redefining Expectations for Migraine Prevention*

Supported by Alder BioPharmaceuticals, Inc.

**Session not eligible for CME*

FRIDAY, JULY 12, 2019

6:30 am – 8:00 am

Wellness for the Headache Provider

6:30 am – 7:05 am

Mindfulness Based Stress Reduction
Rebecca E. Wells, MD, MPH, FAHS
Wake Forest University Baptist Medical Center

7:05 am - 7:40 am

Mindfulness Based Cognitive Therapy
Mia Minen, MD, MPH, FAHS
NYU Medical Center

7:40 am – 8:00 am

The Evidence That Supports the Promotion of Physician Wellness
Deena Kuruvilla, MD
Yale University

6:30 am - 8:00 am

Exhibits and Posters with Continental Breakfast

6:30 am – 4:00 pm

Exhibits and Posters
(Exhibit area closed 11:00 am - 1:00 pm)

8:00 am – 8:45 am

Seymour Solomon Award Lecture

Time's Up: Headache Medicine in the #MeToo Era
Elizabeth W. Loder, MD, MPH, FAHS
John R. Graham Headache Center

8:45 am – 9:00 am

Lifetime Achievement Award

9:00 am – 9:15 am

NIH Roadmap for Migraine Research Update
Michael Oshinsky, PhD
National Institutes of Health (NIH)

9:15 am – 9:30 am

Video Contest Winner Viewing

9:30 am – 10:00 am

Early Career Award Lecture

Does Mindfulness-based Cognitive Therapy for Migraine Reduce Migraine-related Disability in People with Episodic and Chronic Migraine? A Phase 2b Pilot Randomized Clinical Trial
Elizabeth Seng, PhD, FAHS
Albert Einstein College of Medicine
Yeshiva University

10:00 am - 10:45 am

Exhibits and Posters with Refreshments

10:45 am – 11:30 am

Future of Headache Medicine

10:45 am – 10:53 am

IHA Research Grant Presentation
Incidence, Consequences and Prevention of Postoperative, Pain-related Hospital Readmission in Migraineurs

Katharina Platzbecker, MD
Beth Israel Deaconess Medical Center
Harvard Medical School

10:53 am – 11:01 am IHA Research Grant Presentation
Photosensitivity, Tactile Hypersensitivity and Pain-related Facial Features as Objective Biomarkers of Chronic PTH
Anne-Sophie Wattiez, PhD
University of Iowa

11:01 am – 11:09 am Clinical Research Fellowship Award Update
Jill Rau, MD, PhD
Mayo Clinic

11:09 am – 11:17 am Future of Headache Medicine
Patterns of Diagnosis, Consultation and Treatment of Migraine in the US: Results of the OVERCOME Study
Richard B. Lipton, MD, FAHS
Albert Einstein College of Medicine

11:17 am – 11:25 am Future of Headache Medicine
Single-cell RNA Sequencing of Migraine Associated Genes Across Neuronal, Glial and Neurovascular Cell Types in the Central and Peripheral Nervous System
William Renthal, MD, PhD
Harvard Medical School

11:30 am – 1:00 pm

Scientific Paper Presentations – Session 1

11:30 am – 11:40 am (OR01) The Relationship Between Migraine and Risk of Cardiovascular Disease in Postmenopausal Women in the Observational Longitudinal Cohort of the Women's Health Initiative Study (WHI)
Jelena Pavlovic, MD, PhD
Montefiore Headache Center
Albert Einstein College of Medicine

11:40 am – 11:50 am (OR02) Peroxynitrite Decomposition Catalysts Inhibit Acute Intracranial Dural-nociceptive Activation and Sensitisation of Central Trigeminovascular Neurons
Simon Akerman, PhD, FAHS
University of Maryland

11:50 am – 12:00 pm (OR03) TBD

12:00 pm – 12:10 pm (OR04) Acute and Preventive Treatment Patterns in Episodic Cluster Headache: Findings from the United States, United Kingdom and Germany
Russell Nichols, PharmD
Eli Lilly and Company

12:10 pm – 12:20 pm (OR05) Demographics, Headache Characteristics, and Other Factors Associated with Opioid Use in People with Migraine: Results from the Chronic Migraine Epidemiology and Outcomes Study
Todd Schwedt, MD, MSCI, FAHS
Mayo Clinic

12:20 pm – 12:30 pm	(OR06) American Registry for Migraine Research: Methodology and Description of Initial Cohort David Dodick, MD, FAHS Mayo Clinic
12:30 pm – 12:40 pm	(OR07) Noninvasive Vagus Nerve Stimulation Inhibits Trigeminal Nociception in Two Episodic Migraine Models by Enhancing Descending Pain Modulation Paul Durham, PhD Missouri State University
12:40 pm – 12:50 pm	(OR08) One-Year Incidence of Migraine in the US Population: Results from the Migraine in America Symptoms and Treatment (MAST) Study Richard B. Lipton, MD, FAHS Albert Einstein College of Medicine
12:50 pm – 1:00 pm	Frontiers in Headache Research Scholarship Presentation Effectiveness of Outpatient Treatment of Headache at an Infusion Center Hannah Johnson, MD Boston Children’s Hospital
1:00 pm – 1:15 pm	Scholarship Award Presentation
1:15 pm – 2:15 pm	Exhibits and Poster Session/Lunch
1:15 pm – 2:15 pm	Electronic Poster Presentation
2:15 pm – 3:00 pm	Harold G. Wolff Award Lecture The Association Between Parental Migraine and Infant Colic: A Cross-sectional, Web-based, US Survey Study Amy Gelfand, MD, FAHS University of California, San Francisco
3:00 pm – 4:00 pm	PLENARY II - Homeostasis/Hypothalamus
3:00 pm – 3:25 pm	Pain and Hunger/Feeding Nicholas Betley, PhD University of Pennsylvania
3:25 pm – 3:50 pm	Circadian and Seasonal Variation in Headache Tim Houle, PhD Massachusetts General Hospital
3:50 pm – 4:00 pm	Q&A
5:00 pm – 6:00 pm	Industry-supported Session Remote Electrical Neuromodulation (REN) as Vehicle for Reducing Drug Usage* <i>Supported by Thernaica Bio-Electronics LTD.</i> <i>*Session not eligible for CME</i>
5:00 pm – 6:30 pm	Industry-supported Session TBD* <i>Supported by Eli Lilly</i> <i>*Session not eligible for CME</i>

SATURDAY, JULY 13, 2019

6:30 am – 8:00 am	Exhibits and Posters with Continental Breakfast
6:30 am – 7:30 am	Fremanezumab-Vfram: Patient Case Studies for Understanding Migraine* <i>Supported by Teva Pharmaceuticals</i> <i>*Session not eligible for CME</i>
7:00 am – 8:00 am	Industry-supported Session
8:00 am – 10:00 am	Industry-submitted Abstracts* <i>*Session not eligible for CME</i>
8:00 am – 8:10 am	(IOR01) Orally Administered Atogepant Was Efficacious, Safe, and Tolerable for the Prevention of Migraine: Results from a Phase 2b/3 Study David Dodick, MD, FAHS Mayo Clinic
8:10 am – 8:20 am	(IOR02) Ubrogepant Is Effective for the Acute Treatment of Migraine in Patients for Whom Triptans Are Ineffective Andrew Blumenfeld, MD Headache Center of Southern California
8:20 am – 8:30 am	(IOR03) Phase 3 Placebo-Controlled Study of Galcanezumab in Patients with Chronic Cluster Headache: Results from 3-Month Double-Blind Treatment Tina Oakes, PhD Eli Lilly and Company
8:30 am – 8:40 am	(IOR04) Non-invasive Vagus Nerve Stimulation for the Preventive Treatment of Episodic Migraine: The Multicenter, Double-blind, Randomized, Sham-controlled PREMIUM Trial Eric Liebler, BA electroCore, Inc.
8:40 am – 8:50 am	(IOR05) Efficacy, Safety, and Tolerability of Rimegepant 75 Mg Orally Dissolving Tablet for the Acute Treatment of Migraine: Results from a Phase 3, Double-Blind, Randomized, Placebo-Controlled Trial, Study 303 Richard B. Lipton, MD, FAHS Albert Einstein College of Medicine
8:50 am – 9:00 am	(IOR06) Effects of Lasmiditan on Driving Performance: Results of 2 Randomized, Blinded, Crossover Simulated Driving Studies with Placebo and Active Controls Eric Pearlman, MD, PhD Eli Lilly & Company
9:00 am – 9:10 am	(IOR07) Medication Overuse in a Post-hoc Analysis of Phase 3 Placebo-controlled Studies of Galcanezumab in the Prevention of Episodic and Chronic Migraine Sheena Aurora, MD Eli Lilly & Company
9:10 am – 9:20 am	(IOR08) Clinically Meaningful Responses to Fremanezumab in Patients with

Migraine and Documented Inadequate Response to 2-4 Classes of Migraine Preventive Medications in the Multicenter, Randomized, Placebo-controlled FOCUS Study

Egilius Spierings, MD, PhD
Medvadis Research Corporation

9:20 am – 9:30 am

(IOR09) Results from the Chronic Migraine Epidemiology and Outcomes Study Demonstrate a High Level of Unmet Need for Migraine Treatment in People Who Discontinue Acute Prescription Migraine Medication

Susan Hutchinson, MD
Orange County Migraine & Headache Center

9:30 am – 9:40 am

(IOR10) Assessment of the Efficacy of Erenumab During the Open-Label Treatment (13–24 Weeks) of Subjects with Episodic Migraine Who Failed 2–4 Prior Preventive Treatments: Results of the LIBERTY Study

Uwe Reuter, MD, MBA
Charité – Universitätsmedizin Berlin

9:40 am – 9:50 am

(IOR11) Incorporating Remote Electrical Neuromodulation (REN) into Usual Care Reduces Acute Migraine Medication Use

Michael J. Marmura, MD, FAHS
Thomas Jefferson University

9:50 am – 10:00 am

(IOR12) TBD

10:00 am – 10:30 am

Exhibits and Posters with Refreshments

10:30 am – 12:00 pm

Scientific Paper Presentations – Session 2

10:30 am – 10:40 am

(OR09) Testing the Impact of Post-traumatic Headache on Headache Complexity in a Sample of Soldiers

Ann Scher, PhD
Uniformed Services University

10:40 am – 10:50 am

(OR10) Opioid Use Among People with Migraine: Results of the OVERCOME Study

Sait Ashina, MD
Beth Israel Deaconess Medical Center
Harvard Medical School

10:50 am – 11:00 am

(OR11) Rates and Predictors of Using Opioids in the Emergency Department to Treat Migraine in Adolescents and Young Adults

Jennifer Bickel, MD
Children's Mercy Hospital

11:00 am – 11:10 am

(OR12) Cerebral and Systemic Angiopathy in Middle-aged People with Migraine

Ken Ikeda, MD, PhD
Toho University Omori Medical Center

11:10 am – 11:20 am

(OR13) Characterization of the Effects of the Calcitonin Gene-Related Peptide (CGRP) Receptor Antagonists, Atogepant and Ubrogepant, on Isolated Human Coronary, Cerebral, and Middle Meningeal Arteries

Lars Edvinsson, MD

Institute of Clinical Sciences, Lund University Hospital

11:20 am – 11:30 am

(LBOR-01) TBD

11:30 am – 11:40 am

(LBOR-02) TBD

11:40 am – 11:50 am

(LBOR-03) TBD

11:50 am – 12:00 pm

Frontiers in Headache Research Scholarship Presentation
Pain Modulation Capabilities Relates to Headache Reduction After Cognitive Behavioral Therapy
Hadas Nahman-Averbuch, PhD, Cincinnati Children's Hospital

12:00 pm – 1:00 pm

Debate/Discussion

What Does the Efficacy of CGRP Therapies Tell Us About Migraine Pathophysiology?

12:00 pm – 12:20 pm

Peripheral Mechanisms of Migraine
Rami Burstein, PhD
Beth Israel Deaconess Medical Center

12:20 pm – 12:40 pm

Central Mechanisms of Migraine
Peter J. Goadsby, MD, PhD, FAHS
University of California, San Francisco

12:40 pm - 1:00 pm

Discussion

1:00 pm – 2:15 pm

Exhibits and Poster Session

1:00 pm – 2:15 pm

Electronic Poster Presentations

2:15 pm – 3:45 pm

Scientific Paper Presentations – Session 3

2:15 pm – 2:25 pm

(OR14) Cutaneous Heat Pain and Light-Induced Pain Thresholds in Post-traumatic Headache Attributed to Mild Traumatic Brain Injury
Amaal Starling, MD, FAHS
Mayo Clinic

2:25 pm – 2:35 pm

(OR15) Stigmatizing Attitudes About Migraine by People Without Migraine: Results of the OVERCOME Study
Robert Shapiro, MD, PhD, FAHS
Larner College of Medicine

2:35 pm – 2:45 pm

(OR16) Pubertal Maturation and Its Association with Migraine Headache in Adolescent Girls
Vincent Martin, MD, FAHS
University of Cincinnati

2:45 pm – 2:55 pm

(OR17) Migraine Care Across the Healthcare Landscape in the United States Among Those with ≥ 4 Migraine Headache Days Per Month: Results of the OVERCOME Study
Dawn Buse, PhD, FAHS
Albert Einstein College of Medicine

2:55 pm – 3:05 pm

(OR18) Central Sites Controlling CGRP-induced Light-aversive Behavior

Levi Sowers, PhD
Va Center for the Prevention and Treatment of Visual Loss

3:05 pm – 3:15 pm (OR19) Headache Treatment Pattern and Co-morbid Health Burden Associated with Emergency Department and Urgent Care Use in People with Migraine: Survey Results from Migraine in America Symptoms and Treatment Study
Todd Schwedt, MD, MSCI, FAHS
Mayo Clinic

3:15 pm – 3:25 pm (OR20) Social Network Analysis of Young Adolescents with Migraine
Shuu-Jiun Wang, MD, FAHS
Neurological Institute, Taipei Veterans General Hospital

3:25 pm – 3:35 pm Clinical Research Fellowship Award Update
Julius Danesh, MD
Yale New Haven Hospital

3:35 pm – 3:45 pm Frontiers in Headache Research Scholarship Presentation
Enhancing Endocannabinoid Signaling During KCl-induced Cortical Spreading Depression to Reduce Headache Symptomology
Erika Liktor-Busa, PhD
University of Arizona

3:45 pm – 4:30 pm Exhibits and Posters with Refreshments

4:30 pm – 5:15 pm **John R. Graham Award Lecture**
Migraine Trigger Factors: Fact vs. Fiction
Vincent Martin, MD, FAHS
University of Cincinnati

SUNDAY, JULY 14, 2019

7:00 am – 8:00 am Continental Breakfast

8:00 am – 10:00 am **PLENARY III**

8:00 am – 8:40 am Practical Clinical Issues Regarding New Acute and Preventive Headache Therapies
Matthew S. Robbins, MD, FAHS
Weill Cornell Medical College

8:40 am – 9:20 am PACAP as a Therapeutic Target
Messoud Ashina, MD, PhD, DMSc
University of Copenhagen

9:20 am – 10:00 am Cluster Headache – What's New in Science and Practical Clinical Management
Stewart Tepper, MD, FAHS
Geisel School of Medicine at Dartmouth