AASM FOUNDATION

Healthier lives through BETTER SLEEP

2018 Annual Report
Our **Vision** for Society and the Field of Sleep Medicine

**Healthier Lives Through Better Sleep**

- Universal awareness of the importance of sleep; fast, accurate diagnosis of sleep disorders
- All patients have access to evidence-based care for sleep disorders
- Growing number of institutions recognized for outstanding sleep research
- Expansion of the field of sleep medicine with highly-qualified researchers & clinicians
- Decline in deaths, diabetes, cardiovascular disease, obesity, depression, & other conditions linked to lack of sleep
- America’s students and workforce are better rested, more engaged & more productive
Mission

Promote discoveries that advance the understanding of sleep for healthier lives
Dear Colleagues:

The 20th year of the AASM Foundation has been a year of exciting transitions and we have many things to celebrate:

- More than $2.2 million in new sleep research funding was committed in 2018
- Introduction of an updated brand with a redesigned website that emphasizes our commitment to promoting sleep research and improving sleep health
- Distribution of more than $13.5 million in funding for more than 200 awards since our founding in 1998
- Launch of a new electronic award application platform that streamlines the submission process for applicants
- Addition of dedicated staff members who are driving our initiatives and enhancing relationships with applicants, awardees, reviewers and donors

We also took important steps to prepare for the future by completing our first comprehensive strategic planning process in over a decade. A key focus of our planning was to identify how to leverage our resources to best support the future of sleep science and research. We also wanted to make sure that our award programs are aligned with the needs of both clinical researchers and the community.

Unfortunately, our profession has a critical shortage of clinical scientists, and federal funding to support sleep science has not kept pace with the growth of funding in other areas.

These significant challenges are leaving the field of sleep medicine at a critical crossroads, but we believe the AASM Foundation is uniquely positioned to address these headwinds with our new strategic plan that has prioritized the following goals:

**Goal 1:** Improve patient-centered sleep care through high-impact research

**Goal 2:** Develop the careers of sleep and circadian investigators

**Goal 3:** Increase the engagement of current and potential stakeholders

As you will see throughout this report, our programs are actively working to address our challenges, but we can do more. Our five-year strategic plan includes many new initiatives that will enable AASM Foundation to achieve our goals while taking a leading role in addressing unanswered scientific questions that will improve care for patients and the community, while also helping to train the next generation of sleep scientists.

Our vision is to improve the health of all people by supporting the sleep science that matters to patients, practitioners and the public.”

Thanks to the generous support of our donors, volunteers and the sleep community, we can make our vision a reality.

Sincerely,

Jennifer L. Martin, PhD, CBSM, FAASM

From the President:
Celebrating 20 Years of Investing in Clinical Research

Goal 1: Improve Patient-Centered Sleep Care through High-Impact Research

- Key Objectives
  - Reduce gaps in knowledge that impact patient care
  - Improve clinical practice, reimbursement and clinical practice guidelines
  - Increase public knowledge

Goal 2: Develop the Careers of Sleep and Circadian Investigators

- Key Objectives
  - Expand the pipeline of impactful sleep clinician scientists across the spectrum of sleep research domains
  - Increase support for sleep researchers
  - Increase the number of sleep research institutions

Goal 3: Increase the Engagement of Current and Potential Stakeholders

- Key Objectives
  - Increase engagement with an expanded network of stakeholders
  - Increase network of financial supporters

2018 – 2019 Board of Directors

Jennifer L. Martin, PhD
President
Raman Malhotra, MD
Secretary/Treasurer
Steve Van Hout
Executive Director, Ex officio

R. Nisha Aurora, MD, MHS
Kelly Carden, MD, MBA
Douglas Kirsch, MD
David Kristo, MD
Eric Olson, MD
Kannan Ramar, MD
Carol L. Rosen, MD
Ilene Rosen, MD, MS
James A. Rowley, MD
Anita Shelgikar, MD, MHPE
**Investigator-Initiated Awards**

- **Strategic Research Award**
  Fosters health services research and patient-oriented research in sleep medicine, to improve patient outcomes and to demonstrate value. Awards are focused on specific topic areas that will advance the field of sleep medicine.
  - Category I: Up to $250,000 over 3 years
  - Category II: Up to $100,000 over 2 years

- **Community Sleep Health Award**
  Supports a wide range of projects spearheaded by community leaders and/or interprofessional individuals who are dedicated to addressing sleep health needs in the community and sustaining population sleep well-being.
  - Up to $20,000 per award for 1 year

**Additional Awards Available**

- **Disaster Relief Fund**
  These funds are intended to aid sleep centers that have lost their ability to operate and provide patient care due to devastating damages to their facilities caused by natural disasters. Financial assistance is offered to affected sleep centers to ensure that medical care remains available to the sleep patients that need it.

- **Clinical Fellowship Rescue Funding Award**
  These funds are intended to provide matching funds to maintain ACGME-accredited sleep medicine fellowship slots at organizations at risk of losing funding. The goal of this award is to provide supporting funds for a one-year sleep fellowship slot while the program works to secure funding for the subsequent year(s).

**Career Development Awards**

- **Young Investigators Research Forum**
  Research retreat aimed at providing guidance, tactics, and strategies to better position early career investigators for a successful career in sleep research.
  - Travel and lodging expenses paid by the AASM Foundation.

- **Focused Projects Award for Junior Investigators**
  Supports career development of junior investigators through mentored projects across a wide variety of topics relevant to sleep medicine.
  - Up to $20,000 per award for 1 year

- **Bridge to Success Award for Early Career Investigators**
  Provides bridge funding to promising early career sleep scientists who have applied for a federal career development award and need additional time and resources to respond to critiques.
  - Up to $100,000 per award for 1 year

- **Physician Scientist Training Award**
  Following a clinical sleep medicine fellowship, provides mentored research training during the gap year for physicians who wish to pursue careers as physician scientists.
  - Up to $100,000 per award for 1 year

- **ABSM Junior Faculty Award**
  Provides mentored sleep and circadian research project support for early career faculty who are physician scientists and certified in sleep medicine by a member of the American Board of Medical Specialties.
  - Up to $100,000 per award for 2 years

- **Bridge to Success Award for Mid-Career/Senior Investigators**
  Provides bridge funding to established sleep scientists who have been independently supported by the NIH or other government research grants while reapplying for external funding.
  - Up to $100,000 per award for 1 year
2018 AASM Foundation Award Recipients

Strategic Research Award

Jennifer Albrecht, PhD
University of Maryland School of Medicine
Impact of High PAP Adherence on Cardiovascular Outcomes Among Medicare Beneficiaries with Obstructive Sleep Apnea, 2006-2015

Ruth Benca, MD, PhD
University of California, Irvine
PAP Adherence and Longitudinal Accumulation of Alzheimer’s Disease Pathology in Cognitively Normal Older Adults with Obstructive Sleep Apnea

Indira Gurubhagavatula, MD
University of Pennsylvania
Adherence to Positive Airway Pressure in Law Enforcement Officers with Obstructive Sleep Apnea: Role of Telemedicine Strategies

Kiran Maski, MD
Boston Children’s Hospital
Development and Validation of Pediatric Narcolepsy Patient Reported Outcomes Scale (PN-PROS)

Diego Mazzotti, PhD
University of Pennsylvania
Leveraging Polysomnographic Physiological Signals for Improved Cardiovascular Risk Stratification in Obstructive Sleep Apnea

Lynn Marie Trotti, MD, MSc
Emory University School of Medicine
Informing Treatment Decisions in the Central Disorders of Hypersomnolence: A Pragmatic Clinical Trial of Modafinil Versus Amphetamines

Physician Scientist Training Award

Eric Landsness, MD, PhD
Washington University – St. Louis
Focal Slow Wave Sleep in Brain Repair and Recovery After Stroke

Brienne Miner, MD
Yale University
Insomnia with Short Sleep Duration in Aging Populations

Bridge to Success Award for Early Career Investigators

Eric Landsness, MD, PhD
Washington University – St. Louis
Local Slow Wave Sleep and Stroke Recovery

Mary Beth Miller, PhD
University of Missouri
Treating Insomnia Among Heavy-Drinking Veterans

Bridge to Success Award for Mid-Career/Senior Investigators

Thomas Scammell, MD
Beth Israel Deaconess Medical Center
Mechanisms of Cataplexy

Jag Sunderram, MD
Rutgers Robert Wood Johnson Medical School
Exploring Mechanisms of OSA in World Trade Center Responders

The AASM Foundation has provided $13.5M in research funding for more than 200 awards in 25 states and Canada.
Focused Projects Award – Humanitarian/Educational

Tracy Rupp Hockmeyer, PhD, MAc
EbbTide Wellness Studio
Community Acupuncture Sleep Intervention for Hispanic Immigrants: A Preliminary Investigation

Christine Spadola, PhD & Danielle Groton, PhD
Florida Atlantic University
Empowering Social Work Students to Promote Sleep Health Among Underserved Populations

Yu Sun Bin, PhD
University of Sydney
An Interdisciplinary Sleep and Circadian Online Course for First-year Undergraduates

Focused Projects Award for Junior Investigators

Nicole Bowles, PhD
Oregon Health & Science University
Effect of Tetrahydrocannabinol (THC) on Sleep in Humans

David Kalmbach, PhD
Henry Ford Health System
Treating Perinatal Insomnia and Rumination to Reduce Postpartum Depression Symptoms: A Randomized Control Trial of Digital Cognitive-Behavioral Therapy for Insomnia

Junjie Liu, MD, PhD
Yale University
Mapping Brain Activity During Arousals in Obstructive Sleep Apnea Patients

Ankit Parekh, PhD
Icahn School of Medicine at Mount Sinai
Sleep Microarchitecture, Neuroimaging and Daytime Sleepiness in OSA and its Treatment

Megan Petrov, PhD
Arizona State University
Markers of Early Atherosclerotic Progression in Insomnia

ABSM Junior Faculty Research Award

Salma Patel, MD, MPH
University of Arizona
Cardiorespiratory Interactions during Noninvasive Ventilation

Disaster Relief Fund

Established in 2005, the fund is available to sleep centers that have lost their ability to operate and provide patient care due to devastating damages to their facilities in the wake of natural disasters. In 2018, the AASM Foundation provided funding to two facilities:

American Sleep Centers, Inc.
Carolina, Puerto Rico

SJHC Sleep Lab, Inc.
San Juan, Puerto Rico

In order to quickly respond to any sleep center that has been impacted by a natural disaster, the AASM Foundation accepts disaster relief fund applications throughout the year; the application is available on our website.

High School Video Contest

The AASM Foundation invited high school students to participate in the “Make Time 2 Sleep” contest by making videos that focus on motivating teens to prioritize the importance of sleep in their lives. Each prize was split evenly between the winning student and his or her school.

1st Place – $1,000
Joseph O’Brien
Homeschooled
Roseville, MN

2nd Place – $500 and
People’s Choice – $250
Michelle Kwon
Glenbard South High School
Glen Ellyn, IL
<table>
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<tr>
<th>Author</th>
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<th>Date</th>
<th>Message</th>
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<td>Katie Sharkey MD, PhD</td>
<td>@katie_sharkey</td>
<td>11 Dec 2018</td>
<td>“Great @AASMorg article about Dr. @NeomiShah and her successful research career including new funding to study sleep apnea and atherosclerosis foundation. #YouGoGirl”</td>
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<tr>
<td>Dr. Neomi Shah</td>
<td>@NeomiShah</td>
<td>5 Dec 2018</td>
<td>“Dr. Ari Shechter @Columbia visits us @Respiratory_NYC #sleep #grandrounds Discusses his ongoing research on #bluelight #blocking #sleep #insomnia work funded by @aasmfoundation and @nih_nhlbi”</td>
</tr>
<tr>
<td>Sam Morkous, MD, FAAP, FAAN</td>
<td>@samehserry20</td>
<td>29 Dec 2018</td>
<td>“Join (the campaign) and make a difference in your field and your patient’s life 🙌🏼👧🏼”</td>
</tr>
<tr>
<td>AASM Foundation</td>
<td>@aasmfoundation</td>
<td>25 Nov 2018</td>
<td>“#GivingTuesday is November 27, but these @AASMorg employees have a head start on celebrating the season of giving by making personal contributions to the AASM Foundation! We hope you’ll join our generous staff by making a contribution today.”</td>
</tr>
<tr>
<td>Diego R. Mazzotti, PhD</td>
<td>@mazzottidr</td>
<td>1 Nov 2018</td>
<td>“Thanks for the opportunity offered by the @aasmfoundation! I feel honored to be one of the Strategic Research Award recipients! Looking forward to put my project in practice!”</td>
</tr>
<tr>
<td>NIH NHLBI</td>
<td>@nih_hnlbi</td>
<td>17 Oct 2018</td>
<td>“Tune in to watch our panel “Stakeholders Speak: Women Service Members and Veterans - Unique Challenges and Opportunities” with #NHLBI Cheryl Anne Boyce, @aasmfoundation Jennifer Martin &amp; @USUhealthsci Col. Candy Wilson #WomenSleep2018 @DeptVetAffairs”</td>
</tr>
</tbody>
</table>
Three recipients of the 2017 Strategic Research Award have projects that focus on the role of telemedicine, using the AASM SleepTM platform, in the evaluation and management of patients with insomnia. All three projects are examining similar research questions, but from different perspectives and with slightly different study designs and patient outcomes. The sleep researchers met at the beginning of their projects to share data collection methods and, long term, consider pooling data for analyses of a combined dataset. Learn more about their on-going collaboration.

**Increasing Access to Care Through Patient Satisfaction**

Philip Gehrman, PhD, is an Associate Professor in the Department of Psychiatry at the Perelman School of Medicine at the University of Pennsylvania. His project is focused on determining if cognitive behavioral therapy for insomnia (CBT-I) delivered by AASM SleepTM is effective in improving insomnia severity, satisfaction and adherence to treatment, compared to in-person delivery of CBT-I in patients with chronic insomnia. The overarching hypothesis is that use of telemedicine to deliver CBT-I produces similar clinical improvements to in-person delivery and is acceptable to patients.

Sixty individuals with insomnia are being randomly assigned to receive CBT-I either in-person or via telemedicine. “Although CBT-I is the gold standard recommended treatment for insomnia, many patients with insomnia do not have direct access to this type of treatment,” said Gehrmann. “If it is demonstrated that delivery via telemedicine is as efficacious as in-person treatment, that would open the door to using this technology to greatly increase access to care.”

**Providing a New Avenue for Post-Hospitalization Care**

Sairam Parthasarathy, MD, is a Professor of Medicine and Interim Chief in the Division of Pulmonary, Allergy, Critical Care and Sleep Medicine at the University of Arizona. His project compares telemedicine CBT-I (via AASM SleepTM) versus conventional office-based CBT-I in patients with insomnia who are discharged from the hospital to determine its effectiveness in improving insomnia severity and patient satisfaction. The rationale for this study is that recently hospitalized patients who are recuperating in their homes would find it difficult to return for weekly visits with a clinical psychologist and would prefer the convenience of telemedicine CBT-I administered in their homes. “Our program of research is aimed at understanding whether telemedicine approaches to treatment of insomnia can improve patient-centered outcomes.”

Better Together

Three award recipients collaborate to make a larger impact on sleep medicine

“Although CBT-I is the gold standard recommended treatment for insomnia, many patients with insomnia do not have direct access to this type of treatment.”

“The rationale for this study is that recently hospitalized patients who are recuperating in their homes would find it difficult to return for weekly visits with a clinical psychologist and would prefer the convenience of telemedicine CBT-I administered in their homes. “Our program of research is aimed at understanding whether telemedicine approaches to treatment of insomnia can improve patient-centered outcomes.””

“Although CBT-I is the gold standard recommended treatment for insomnia, many patients with insomnia do not have direct access to this type of treatment.”
Assessing the Economic Value of Telemedicine

J. Todd Arnedt, PhD, is an Associate Professor and Director of the Behavioral Sleep Program at Michigan Medicine, University of Michigan. He is also Co-Director of the Sleep and Circadian Research Laboratory. His AASM Foundation-funded study is focused on determining whether cognitive behavioral therapy delivered via AASM SleepTM is as effective as traditional CBT-I delivered in-person for improving insomnia symptoms, patient satisfaction, and associated costs of treatment.

"If our study hypotheses are supported, we will have both outcome and cost evidence that telemedicine is a viable delivery option."

One hundred adults with chronic insomnia disorder are being recruited from the Michigan Medicine Behavioral Sleep Medicine Clinic and randomized to six weeks of CBT delivered either by AASM SleepTM or in-person. A unique focus of his project is that it compares the costs associated with in-person and telemedicine delivery of CBT-I. The central hypothesis is that telemedicine delivery of CBT-I will yield similar clinical outcomes to in-person delivery but will be more cost-effective. "If our study hypotheses are supported, we will have both outcome and cost evidence that telemedicine is a viable delivery option for extending the reach of CBT-I to underserved populations," said Dr. Arnedt.

Collaborating to Improve Insomnia Care

Before starting recruitment, Drs. Arnedt, Gehrman, and Parthasarathy initiated a multi-institutional collaboration and met at the beginning of their projects to share their methods and align their outcome measures. The three investigators envision being able to pool the results of their respective studies in order to address broader questions related to the delivery of CBT-I via telemedicine and provide a more conclusive analysis on the effectiveness of such treatment delivery for patients with insomnia. "We have strived to harmonize our outcome measures and timing of measurements so that together we could have the power to look at certain outcomes that may escape an individual study," said Dr. Parthasarathy.

These three innovative projects illustrate the benefits from collaborative research projects. By working together to pool data, these investigators are generating new discoveries that are helping to ensure that the practice of sleep medicine can leverage new knowledge to help patients live healthier lives.
Neomi Shah, MD, received Bridge funding from the AASM Foundation in 2012. She went on to successfully apply for a federal career-development award, which has resulted in 10 different publications and a subsequent, larger, investigator-initiated grant.

In 2012, Neomi Shah, MD, was awarded a total of $75,000 as recipient of the AASM Foundation Bridge to Success Award. Her project aimed to explore vascular endothelial growth factor (VEGF) levels and coronary collaterals among patients with acute myocardial infarction screened for sleep apnea. The primary finding of her project was that a dose response relationship between the severity of sleep apnea and levels of VEGF was noted, where increasing sleep apnea severity was associated with increasing VEGF levels.

“Over expression of VEGF has been shown to be critical in the development of coronary collateral circulation post myocardial infarction (MI), and thus, higher levels may influence outcomes in the setting of an acute MI in patients with sleep apnea” Dr. Shah explained.

As an Associate Professor of Medicine at the Icahn School of Medicine at Mount Sinai in New York, Dr. Shah’s research interests are focused on understanding the role of obstructive sleep apnea on cardiovascular disease development and progression. Specifically, her team is working on risk stratifying sleep apnea patients who may be at the highest risk for cardiovascular disease events by leveraging state-of-the-art cardiovascular imaging such as hybrid PET/MRI and delayed enhancement cardiac imaging as examples.

Early into her career, the Bridge to Success Award helped provide funding and salary support for a 1 to 2-year period for Dr. Shah while she was in the process of obtaining larger, federal funding for a career-development award.

“Without the Bridge to Success Award from the AASM Foundation I may have had to increase clinical time substantially which would have hindered successful research productivity and may have resulted in a career path change for me,” said Dr. Shah.

Dr. Shah’s project was amongst the first to challenge conventional wisdom that sleep apnea only contributes to pro-inflammatory and pro-thrombotic events. In a cohort of acute myocardial infarction patients, she found that patients with sleep apnea had less severe myocardial infarction as measured by circulating biomarkers of myocardial injury.

Her work was recently validated by another group who found similar results. This emphasizes the need to appropriately stratify individuals with sleep apnea into high versus low-to-moderate risk for future cardiovascular events and to investigate the discrepancy between stroke and myocardial infarction risk associated with sleep apnea.

This is especially important as recent clinical trials fail to show a significant reduction in myocardial infarction risk in patients being treated with continuous positive airway pressure (CPAP) but does suggest reduction in stroke risk. Collectively, this highlights a major gap in current knowledge about the mechanistic link between sleep apnea and atherosclerotic cardiovascular disease and CPAP’s anti-atherosclerotic actions. Dr. Shah is currently funded to investigate both these issues.

Dr. Shah and her research team was recently awarded a large investigator-initiated grant to assess sleep apnea and its treatment’s impact on atherosclerosis. This was funded by the National Institutes of Health. Their study will not only elucidate the mechanistic link between sleep apnea and atherosclerosis but will also provide crucial evidence pertaining to risk-stratification for future clinical trials evaluating the role of sleep apnea treatment in the primary and secondary prevention of cardiovascular disease events.

Having been in the shoes of an early career sleep researcher to now an independent investigator, Dr. Shah understands the challenges young investigators in the sleep research field face in finding mentors and securing funding. Dr. Shah
stresses the importance of having both excellent mentors and sponsors when you are an early-career sleep researcher.

Dr. Shah states she was fortunate to have excellent mentors including Dr. Robert Kaplan (Einstein, NY) who was her on-site mentor and got her involved in the Hispanic Community Health Study/Study of Latinos which allowed her to continue to strengthen her publication record. In addition, Dr. Shah had off-site mentorship from Dr. Susan Redline (Harvard), whom the field of sleep medicine knows well. Dr. Redline is a terrific supporter of young investigators and has been Dr. Shah’s role model.

She suggests discussing your research goals with your mentors regularly as your research interests may evolve and ensure adequate communication between mentoring team and yourself.

“Persistence is key and therefore do not give up early in your research career,” said Dr. Shah.

“Believe in yourself and pursue your career goals even if others may not see your potential early in your career. Most importantly, be passionate about what you do.”

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### 2018 – 2019 Volunteers

*The AASM Foundation is grateful for the time and efforts of the following volunteers.*

<table>
<thead>
<tr>
<th>Investigator-Initiated Award Review Committee</th>
<th>Career Development Award Review Committee</th>
<th>High School Video Contest Review Committee</th>
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<tbody>
<tr>
<td>M. Safwan Badr, MD, MBA <em>(Chair)</em></td>
<td>Indu Ayappa, PhD <em>(Chair)</em></td>
<td>Lourdes DelRosso, MD <em>(Chair)</em></td>
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<tr>
<td>Patrick Strollo Jr., MD <em>(Vice Chair)</em></td>
<td>Ronald Szymbusiak, PhD <em>(Vice Chair)</em></td>
<td>Shelley Hershner, MD</td>
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<tr>
<td>Constance Fung, MD</td>
<td>Daniel Combs, MD</td>
<td>Romy Hoque, MD</td>
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<td>Michael Grandner, PhD</td>
<td>Jonathan Jun, MD</td>
<td>Shahrokh Javaheri, MD</td>
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<td>Kathryn Lee, PhD, RN</td>
<td>Louise O’Brien, PhD</td>
<td>Tomasz Kuzniar, MD</td>
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<td>Daniel O’Hearn, MD</td>
<td>Susheel Patil, MD</td>
<td>Brian Palen, MD</td>
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<tr>
<td>David Rapoport, MD</td>
<td>Alberto Ramos, MD</td>
<td>Anita Valanju Shelgikar, MD</td>
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<tr>
<td>Megan Petrov, PhD</td>
<td>Susan Redline, MD</td>
<td>Andrew Spector, MD</td>
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<td>David Plante, MD, PhD</td>
<td>Ignacio Tapia, MD</td>
<td>Saiprakash B. Venkateshiah, MD</td>
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<td>Rochelle Zak, MD</td>
<td>Robert Thomas, MD</td>
<td>Scott Williams, MD</td>
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<tr>
<td>Susmita Chowdhuri, MD <em>(Ad Hoc)</em></td>
<td>Lynn Marie Trotti, MD</td>
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<td>Daniel Combs, MD <em>(Ad Hoc)</em></td>
<td>Andrew Varga, MD, PhD</td>
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<td>Alberto Ramos, MD <em>(Ad Hoc)</em></td>
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<tr>
<td>Stephen Sheldon, DO <em>(Chair)</em></td>
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<tr>
<td>Lourdes Del Rosso, MD</td>
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<tr>
<td>Cathy Goldstein, MD</td>
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<td>Patrick Strollo Jr., MD</td>
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<tr>
<td>Terri Weaver, PhD, RN</td>
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<tr>
<td>David Kristo, MD <em>(Board Liaison)</em></td>
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</table>
Thanks to our generous donors, the AASM Foundation was able to commit more than $2,200,000 in award funding in 2018. Gifts to our annual fundraising campaign help us grow our programs while strengthening our commitment to sleep science and clinical research.

“Clinical research and educational research into pediatric sleep health care can significantly improve sleep health care for infants, children, and adolescents.”

Stephen Sheldon, DO
Professor of Pediatrics & Neurology
Northwestern University Feinberg School of Medicine
Ann and Robert H. Lurie Children’s Hospital of Chicago

“Glad to put my money where my heart is.”

Timothy I. Morgenthaler, MD
Professor of Medicine, Mayo Clinic College of Medicine
The following award funding was issued during the 2018 program cycle:

<table>
<thead>
<tr>
<th>Program</th>
<th>Awards</th>
<th>Funding</th>
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<tr>
<td>Strategic Research Award</td>
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<td>Focused Projects Award – Humanitarian/Educational</td>
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<td>Focused Projects Award for Junior Investigators</td>
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<td>Physician Scientist Training Award</td>
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<td>Bridge to Success Award for Early Career Investigators</td>
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<td>Bridge to Success Award for Mid-Career/Senior Investigators</td>
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<td>ABSM Junior Faculty Award</td>
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<td><strong>TOTALS</strong></td>
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Statement of Activities Year Ended December 31, 2018

<table>
<thead>
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<th>Operating Revenue</th>
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<tr>
<td>Donations - Members &amp; Public</td>
<td>48,071</td>
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<td>AASM</td>
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<td>Other Revenue</td>
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<td><strong>Total Operating Revenue</strong></td>
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<td>Grant Payments</td>
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<td>Disaster Relief Fund</td>
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<td>High School Video Contest</td>
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<tr>
<td>Administrative Expenses</td>
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<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>1,540,405</strong></td>
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</table>
AASM Foundation Donations
January 1 – December 31, 2018

**Diamond ($10,000+)**
American Academy of Sleep Medicine ($2,000,000)
M. Safwan Badr, MD, MBA
Daniel Buysse, MD
Kelly Carden, MD, MBA
Lourdes Del Rosso, MD
Douglas Kirsch, MD
Jennifer Martin, PhD
Timothy Morgenthaler, MD
Eric Olson, MD
Carol Rosen, MD
John Shepard, MD

**Platinum ($1,000+)**

**Gold ($500+)**
Marietta Bibbs, RPSGT, CCSH
Alejandro Chediak, MD
Ronald Chervin, MD, MS
Nancy Collop, MD
Seema Khosla, MD
David Kristo, MD
Raman Malhotra, MD
Susheel Patil, MD, PhD
Kannan Ramar, MD
Ilene Rosen, MD, MS
James Rowley, MD
Stephen Sheldon, DO
Anita Shelgikar, MD, MHPE
Patrick Strollo Jr., MD
Salim Surani, MD
Robert Thomas, MD
Steve Van Hout
Terri Weaver, PhD, RN
Fariha Abbasi-Feinberg, MD
Ami Abraham, DO
Raju Abraham, MD
Sophia Ahmed, MD
Robert Aisenberg, MD
Charles Atwood, MD
Rashmi Aurora, MD, MHS
Jorge Avendano Sr., MD
Anda Baharav, MD
Mark Berry, DO
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Bahman Chavoshan, MD
Wesley Chou, MD
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Cheta Nand, MD
Patricia Nelson, MD
Sajjan Nemani, MD
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Stuart Padove, MD
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Patricia Patterson, MD
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A. C. Peter Powles, MD
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Praveen Rastogi, MD
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Tsunehiro Saito, MD, PhD
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Mark Sanders, MD
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Richard Simon Jr., MD
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Robert Tearse, MD
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Sherene Thomas, PhD
Suneel Valla, MD
Jennifer Ver Huel
Shana Vifian Ray, MD
Charles Wells, MD
Carolyn Welsh, MD
Patrick Weyer, MD
John White, MD
Kenneth Wiesert, MD
Merrill Wise, MD
Lisa Wolfe, MD
Warangkhana Wongba, MD
James Wyatt, PhD
Mulai Yohannes, MD
Subaila Zia, MD
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Cathy Alessi, MD
Nabih Al-Sheikh, MD
Olusegun Apata, MD
J. Todd Arnedt, PhD
Thomas Arrington, RST, RPSGT
Vivian Asare, MD
Dennis Auckley, MD
Anthony Bacevice, MD, MSE
Michel Beaudry, MD
Richard Beyer, MD
Krishna Bhat, MD
C. Marshall Bradshaw, MD
Tiffany Braley, MD
Cecilia Bravo
Lauren Broch, PhD
William Burkes, MD
Edward Caldwell, MD
Gerard Carandang, MS
Paul Cardosi, MD
Bianca Cecchele Madeira, MD
David Chang, MD
Wanhee Choi, MD
Simcha Cohen, PsyD
Monica Conway, RN
George Cousin, MD
Denise Troy Curry, MD
David Davila, MD
David Dedrick, MD
Jose DeSousa, MD
Thorsten Doering, MD, PhD
Kimberly Downs
Andrzej Dybala, MD, PhD
Diane Eisele, RN
Antoine Elhajjar, MD
Helene Emsellem, MD
Oyeyemi Fabuyi, MD
John Farmer Jr., MD
Dan Fennell, MD
Gregory Ferriss, MD
William Finley, PhD
Kuljeet Gill, MD
Daniel Glaze, MD
Maria Fernanda Gómez Morales, MD
Sasikanth Gorantla, MD
Timothy Grant, MD
Diana Grigsby, PhD
Stephen Grinton, MD
Francisco Guerrero Campos, MD
Yuji Hashizume, MD
Mohammed Hassan, MD, PhD
Jeffrey Hawkins, MD
Thane Htun, MD
Kimberly Hutchison, MD
Kamran Jafari, MD
Leegardie Jean, MD
Bruce Johnson, MD
Madhukar Kaloji, MD
Mohd Kanjwal, MD
Ronald Kass, MD
Valerie Kirk, MD
Ikrita Klair, MD
Jyoti Krishna, MD
## Honors and Tributes

### Platinum

Kelly Carden, MD, MBA  
*In Honor of Dr. Jennifer Martin*  
Jennifer Martin, PhD  
*In Memory of my father Michael W. Martin*  
Carol Rosen, MD  
*In Memory of Dr. Carole Marcus*

### Gold

Ronald Chervin, MD, MS  
*In Memory of Dr. Carole Marcus*  
Susheel Patil, MD, PhD  
*In Memory of Pandit Patil*

### Silver

Rashmi Aurora, MD, MHS  
*In Memory of Suman P. Aurora*  
Wesley Chou, MD  
*In Honor of John Stakes, MD*  
James Frisk, MD  
*In Honor of Dr. William Dement*  
Tomasz Kuzniar, MD, PhD  
*In Memory of Jakub Kuzniar, MD*  
Cheta Nand, MD  
*In Memory of my parents Ram Asre and Budhia Asre*  
Vinod Patel, MD  
*In Memory of John McCain III, an American statesman and military officer who served as a United States Senator*  
Herbert Scherzer, MD  
*In Memory of Dr. Marty Farber*

### Bronze

Cecilia Bravo  
*In Memory of Romeo and Soledad Munoz*  
Lauren Broch, PhD  
*In Memory of Arthur J. Spielman, PhD*  
Mohammed Hassan, MD, PhD  
*In Memory of my mother Asyia Hindi Massoud*  
Valerie Kirk, MD  
*In Memory of Dr. Carole Marcus*  
Robert Kowatch, MD, PhD  
*In Honor of Catesby Ware, PhD*  
Liliana Mayor, MD  
*In Memory of Dr Bengt Ingve Nilsson*  
Andreas Prasadja, MD, RPSGT  
*In Memory of Frida Anggraeni*  
Ilene Rosen, MD, MS  
*In Honor of Graduation of Dr. Jessica Cohen*  
Steven Thau, MD  
*In Honor of Dr. Ilene Rosen*  
Srita Vieira Mestre  
*In Honor of Master’s Guide*  
Marcie Weinstein  
*In Honor of Tamara Burton*

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