



# One Mind 2017 Annual Report

**One Mind. One brain. And with our recent consolidation - One organization.**

2017 was and will be a defining year for our non-profit. Boosted by the consolidation of our two sister organizations, the One Mind Institute and One Mind, we are now in the position **to better aid the millions of people who are affected by brain illness and injury**. Rather than focusing on individual brain illnesses as we did in the past, as one, we are now working to confirm and advance a collaborative-based research model that can be applied to any brain illness or injury.

In 2017, we made significant inroads in accomplishing this by actively supporting two **best-in-class research collaborations** that strive to bring better treatments to patients now. These collaborations; the Transforming Research and Clinical Knowledge in Traumatic Brain Injury (TRACK-TBI) study and the AURORA study on trauma, are both **based on open-science** and both collect their data following the same data standards, enabling the future opportunity to further analyze the overlapping co-morbidity of these conditions. Knowing that this model can be applied to other illnesses, in 2017 we also began our internal planning to create a similar donor-supported research collaboration that will focus on psychosis that we intend to announce and launch soon.

We also **awarded two Rising Star Awards** to two young up-and-coming researchers whose pivotal and innovative research looks to aid those with psychiatric illness.

On September 16th, we hosted the 23rd annual Music Festival for Brain Health that **broke records both in the amount of money raised and supporters in attendance**. Our two 2017 Rising Star Award winners both presented at the event, as did Joshua Gordon, M.D., Ph.D., a past Rising Star Award winner and current Director of the National Institute of Mental Health.

New in 2017, we also hosted the inaugural One Mind Initiative at Work forum that brought together business leaders to focus on the **development and implementation of a gold standard for workplace mental health** and well-being. With the financial support from founding sponsor Janssen Research & Development, LLC and our other supporting organizations, the 2017 One Mind Initiative at Work forum was a huge success, providing a solid foundation for the future advancement of this One Mind managed program. The next One Mind Initiative at Work forum will take place in Napa on September 12th and 13th, 2018.

**A heartfelt thanks goes to you**, our generous donors, foundations and corporations who helped us raise over **\$5.8 million** in total direct fundraising during 2017. Your support continues to play a key role in both the research we help fund as well as the patient support we underwrite. We remain extremely motivated knowing that with your support, our efforts are making a difference and providing hope to the millions who are affected by brain illness or injury.

# AURORA

On September 25th, 2017, the One Mind supported AURORA study on trauma officially launched, and on that day, enrolled its first patient. By illuminating trauma, a prominent risk factor for depression, psychosis, and post-traumatic stress, AURORA will assist prevention and recovery for a variety of brain conditions. Led by researchers at the University of North Carolina and Harvard, this five-year study intends to enroll 5,000 trauma survivors via 27 leading American-based emergency departments. The data the study will collect via state-of-the-art multimodal patient assessments will be used to develop predictive and diagnostic biomarkers and to develop preventative/treatment interventions for the millions of civilian and veteran populations that suffer as a result of the trauma they experience.

We are grateful of the financial support our donors provided to the AURORA program in 2017. Your support will enable AURORA to improve and expand their Information Management System, to increase the number of participants completing the Deep Phenotyping visits, to increase the stipends given to patients, and to help underwrite the increased infrastructure costs and data analyses.

People who experience trauma are



***Three times more likely to experience depression***

In 2017, the AURORA study launched at 9 outstanding emergency department sites around the U.S. with several more about to start.

These sites include:

Indiana University  
Rhode Island Hospital  
Henry Ford Health System  
William Beaumont Hospital  
Massachusetts General Hospital  
University of Alabama at Birmingham  
University of Florida Health Jacksonville  
Vanderbilt University Medical Center



Baylor College  
McLean Hospital  
Boston University  
Emory University  
Washington University  
University of Cincinnati  
Cooper University Hospital  
Einstein Medical Center



*“One Mind’s combination of passionate patient-centeredness, science, and regulatory “street smarts” make them unique. The resources, focus, and expertise of One Mind have been game-changing in altering the design and trajectory of the AURORA study to deliver clinical decision tools, biomarkers, and new treatments to patients.”*

**Samuel McLean, M.D., MPH**

Director, University of North Carolina Institute of Trauma Recovery. Organizing Principal Investigator, the AURORA Study.

# RISING STAR AWARDS

2017 marked the thirteenth year that our organization has facilitated the Rising Star Awards program. In 2017, we recognized two up-and-coming researchers whose innovative work aligns with our principles of collaboration and data sharing. Chosen by One Mind's Scientific Advisory Board, each awardee receives \$250,000 from One Mind to support their research.



## **Alik Widge, M.D., Ph.D.**

- Assistant Professor of Psychiatry at Massachusetts General Hospital and Harvard Medical School
- One Mind / Janssen Rising Star Translational Research Award in Honor of the late Jeffrey S. Nye, M.D., Ph.D. winner

Dr. Widge's research focuses on finding ways to boost the recovery of patients with illnesses such as schizophrenia, obsessive-compulsive disorder or major depression. He looks to precisely identify the brain circuits that govern the inflexibility of thinking that is common among patients with these illnesses and to test whether neurostimulation of these circuits could improve mental flexibility.



## **Ian Maze, Ph.D.**

- Assistant Professor of Neuroscience and Pharmacological Sciences at the Icahn School of Medicine at Mount Sinai
- One Mind Rising Star Early Diagnostics Basic Research Award winner

Dr. Maze looks to determine whether testing the blood for reduced levels of a serotonin-modified protein could help to predict susceptibility to depression under stress, to diagnose major depressive disorder and/or to predict whether antidepressant medications might help specific patients.

## BRAIN SCIENCE BREAKTHROUGHS BY ONE MIND FUNDED RESEARCHERS



Scientists have long observed that the biological mechanisms by which chronic stress leads to depression and anxiety route through a neural and hormonal circuit called the HPA "stress" axis. Dr. Mazen Kheirbek and others recently discovered that another brain region involved in emotional processing, the ventral hippocampus (vHPC), appears to be first involved, by regulating the HPA "stress" axis. Now Dr. Kheirbek and his lab are revealing just how the vHPC and the stress axis link up to modulate depression and anxiety, to enable the development of neuromodulatory treatments.



Dr. Mary Kay Lobo hopes to find which molecules to target to develop better medications for major depressive disorder (MDD). In 2017, using mouse models and targeting RhoA, a molecule known to cause atrophy in the individual nerve cells in the brain's reward center (the nucleus accumbens), Dr. Lobo has tested and found a number of compounds that can cause resilient or antidepressant-like responses when given during stress.



Dr. Devanand Manoli aims to help people with psychiatric illness recover by improving their capacity to build healthy relationships. By generating animal models that include gene mutations found in humans with autism and schizophrenia, Dr. Manoli is studying how changes in these genes or environmental stresses may lead to changes in a variety of social behaviors, aiming to improve our understanding to the problems that people with various psychiatric disorders face.

# TRACK-TBI & TED INITIATIVE

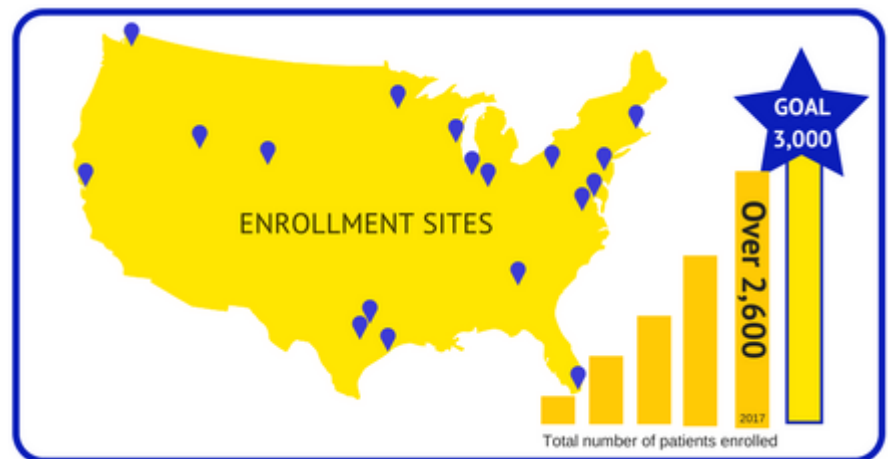
We celebrate 2017 as an incredible year of advancement for the One Mind supported TRACK-TBI study and the TBI Endpoints Development (TED) Initiative. Of significance is the FDA Letter of Support these studies received in 2017 for particular neuroimaging biomarkers -- findings that can be seen using magnetic resonance imaging- MRI.

UPDATE - In January 2018, the FDA also issued a Letter of Support for two of the collaboration's blood based biomarkers, while also recognizing the Research Teams' collaborative efforts and data sharing for their potential to accelerate the development of new treatments for TBI. The two letters are the only two Letters of Support ever issued by the FDA related to traumatic brain injury. This in itself is a testament to the quality of this research study and the unique achievements that the TRACK-TBI/TED collaboration has made.

Wanting to help accelerate solutions as soon as possible, in 2017, TRACK-TBI and TED have worked collaboratively with Abbott and the FDA with hopes of gaining FDA clearance for a faster blood biomarker test that would work on Abbott's existing globally distributed i-STAT handheld device. With 2-3 drops of blood placed on a chip that is inserted into the i-STAT system, these biomarkers can help evaluate a concussion in under 15 minutes. Besides being an aid to emergency room doctors, this point-of-care device has the potential to help clinicians make informed return to play decisions on the football field and other sports venues.



By the end of 2017, the TRACK-TBI study had enrolled more than 2,600 persons via the participating 18 U.S. based Level 1 trauma centers. The study is on the path to reach its enrollment goal of 3,000 before the end of this year.



*"The opportunities and support that One Mind has brought to TRACK-TBI and TED have accelerated and enriched the collection, curation and analyses of this data, as well as helped us forge unprecedented partnerships with industry leaders."*

**Geoffrey Manley, M.D., Ph.D.**

Chief of Neurosurgery at Zuckerberg San Francisco General Hospital, TRACK-TBI and TBI Endpoints Contact Principal Investigator.





Taking place at Staglin Family Vineyard in Rutherford, California, the 2017 sellout event hosted over 500 people and featured Joshua Gordon, M.D., Ph.D., Director of the National Institute of Mental Health as the Scientific Symposium Keynote Speaker.



The attendees were treated to a day-long event in support of brain health that included the Scientific Symposium, the Wine Reception featuring wines from over 75 premium wineries, the Lyle Lovett concert performance and the VIP Wine Dinner. Of significance was the 'Fund-a-Need' event at the VIP Wine Dinner that raised a record-breaking \$435,000 for the One Mind supported AURORA study.



**Join us at this year's 24th Annual Music Festival for Brain Health on Saturday, September 15th!**  
See our website for more details

# ONE MIND INITIATIVE™ at work



CEO's and representatives from a large number of healthcare and business organizations attended the inaugural One Mind Initiative at Work forum held in September 2017.



The next One Mind Initiative at Work forum will take place September 12-13th, 2018 in Napa, California.

Learn more at [www.onemindinitiative.org](http://www.onemindinitiative.org)

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## OTHER ONE MIND PROGRAMS:



With a bewildering abundance of mental health apps currently in the market, **PsyberGuide** empowers people to make informed and responsible decisions about what apps to use. Big program advancements in 2017 included the relaunch of their website in a new user-driven design and the expansion of the number of apps that have been reviewed on their site (136 and counting).

**Brain Waves** is a monthly One Mind hosted interview program with real brain scientists and advocates. In the fall of 2017, we moved the hosting of this program so that each episode can be seen live on our facebook page, allowing for real-time viewer posts and questions.



The 6th Annual InTBIR Meeting, held at the National Institutes of Health in Washington, D.C. on October 30 – 31, 2017, focused on **InTBIR's** first 5 years of progress and strategies for how to achieve their global mission and vision. One Mind played an important role at the meeting by presenting metadata dashboards for several of the InTBIR studies, and for the first time, integrating them into a single accessible metadata dashboard.



**CENTER-TBI** is a large, multi-center study based in Europe. As of Fall 2017, they had enrolled 4,666 TBI patients in their comprehensive study and 21,654 in a patient registry.

In 2017, they discovered methodological inconsistencies between European and U.S investigators in how the Glasgow Outcome Score, the only FDA approved outcome measurement tool for TBI clinical trials, is scored - demonstrating that the different scoring systems could impact the results of a clinical trial in terms of evaluating treatment effectiveness.



# A MESSAGE FROM OUR PRESIDENT



As One Mind's new President, I am grateful for the opportunity to expand my contribution of neuroscience knowledge and patient advocate experience toward enabling healthy brains for all. With One Mind's brilliant former CEO, Peter Chiarelli, assuming a new role as an Ambassador to One Mind, I have big shoes to fill and I am excited to lace them up and start running. The most satisfying aspect of my work for One Mind since 2005 has been getting to know so many others whose struggles with brain health have paralleled mine. To all those affected by brain health conditions, please know that I will strive with conviction to lead the amazing team at One Mind to serve your best interests. Great things are in store for 2018, and I thank you for your support!

-Brandon Staglin

## THANK YOU

We profoundly appreciate all of the continued support you have provided our organization either as a past advocate of One Mind or the One Mind Institute. It is through your support that we are able to work towards achieving both our vision and mission. 2017 was an excellent year, but 2018 could be even better! With that, we invite you to boost brain health research by making a tax-deductible contribution by contacting us via one of the communication channels listed below.

Thank you again!

### VISION STATEMENT

**Healthy brains  
for all.**

### MISSION STATEMENT

**To radically accelerate cures  
for brain illnesses and injuries  
by funding and fostering  
paradigm-shifting scientific  
research collaborations  
and initiatives.**

#### DONATE ONLINE:

[www.onemind.org/support-one-mind](http://www.onemind.org/support-one-mind)



#### CALL US:

(707) 963-4038



#### EMAIL US:

[info@onemind.org](mailto:info@onemind.org)

