Message from
Christopher Madden, M.D.
Executive Clinical Director

Dear Colleagues,

I hope everyone is having a great summer. Thank you to all who joined us for our second annual town hall. If you were not able to attend, read on for some of the highlights from the meeting.

I want to take this opportunity to encourage all faculty and advanced practice providers who need a profile photo to attend the upcoming photo shoot on August 9. Details are inside on page 13.

Please continue to send us news of your accomplishments, awards, and progress at obinews@utsouthwestern.edu.

Sincerely,

Chris Madden
The O’Donnell Brain Institute held its second annual town hall on June 7, 2018. Dr. Daniel K. Podolsky, President of UT Southwestern, opened the meeting with an update on the development campaign.

“There has been nothing like this project in the 75-year history of our Institution,” said Dr. Podolsky. “Our partners in the community are eager to support the program as much as we are.”

The O’Donnell Brain Institute was established with a $36 million dollar gift from Edith and Peter O’Donnell Jr. and brings together eight academic departments, six clinics, hospital neurosciences, and employees from the Advanced Imaging Research Center, Molecular Biology, and Bioinformatics.

Dr. Christopher Madden, Executive Clinical Director and Professor of Neurological Surgery, talked about key research investments and accomplishments of clinical programs in 2017. The O’Donnell Brain Institute had $56 million in research expenditures for FY17.

In addition, Dr. Podolsky announced the winners of two $150,000 pilot grants awarded by the Circle of Friends Brain Steering Committee.

Pilot Grant Awardees

Lukasz Andrzej Joachimiak, Ph.D., and Milo M. Lin, Ph.D.; Incorporating Experimental Restraints for Atomistic Design of Tau Therapeutics

Benjamin Greenberg, M.D., Andrew Young Koh, M.D., and Xiaowei Zhan, Ph.D.; Identifying a Gut Microbiota Biomarker that Predicts Multiple Sclerosis Disease Status

Among the accomplishments on the clinical side, UT Southwestern was re-certified as a Joint Commission Comprehensive Stroke Center, while the epilepsy program received level 4 accreditation from the National Association of Epilepsy Centers.

Attendees of the town hall also got a preview of the O’Donnell’s future footprint. Renovations begin this fall on the Aston building which will serve as the ambulatory home for the neurosciences.

Hospital-based neurosciences will move into the third tower of Clements University Hospital in the fall of 2020. A dedicated building to house basic neuroscience research is planned for North Campus with expected completion in 2022.
Architectural rendering: the third tower at Clements University Hospital will be home base for the neurosciences. Estimated completion date: 2020.

Preliminary architectural rendering: a new building on North Campus will house neuroscience basic research. Estimated completion date: 2022.

### BY THE NUMBERS FY ‘17

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<th>Research</th>
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New research from UTSW’s Neurocritical Care team questions age-old method of checking pupillary reflexes

During a checkup, your physician might shine a light in your eye to observe how fast or slow your pupils constrict or widen. For many years, pupillary reflexes have been checked manually using subjective measures of pupil size, shape, and reactivity. However, the manual evaluation of the pupillary reflex has been shown to have very low reliability and validity. A new study from UT Southwestern and Ohio Health calls into question the method of eyeballing pupil constriction and what it means for a pupil to have brisk reaction.

“Humans are not good at assessing if a pupil got smaller or bigger and at what rate,” said DaiWai Olson, Ph.D., RN, senior author of the study. “We now have technology that improves this evaluation.”

A handheld high-speed camera can evaluate the pupil in a few seconds. The Neurocritical Care ICU at Zale-Lipshy University Hospital has been utilizing handheld automated pupillometry for several years and as a result, has one of the largest repositories of pupil readings in the country.

“An examination of the data suggests that fast constriction velocity does not necessarily mean ‘good.’ The pupil can be fast and still not have a normal pupil reaction,” said Dr. Olson.

The study, published in Nature.com, supports the need for in-depth analysis with significantly larger cohorts and greater temporal resolution of the pupillary light reflex findings and clinical correlates.
Roger Rosenberg, M.D., awarded grant from Dallas advocacy group as his research team’s progress continues on potential Alzheimer’s vaccine

Three world experts on Alzheimer’s disease, including UT Southwestern’s Dr. Roger Rosenberg, shared the latest insights into the disease and potential treatments at a forum in Dallas on May 7.

Triumph over Alzheimer’s, a group that supports Alzheimer’s research, hosted the event at the George W. Bush Institute. On the panel with Dr. Rosenberg were Dr. Rudy Tanzi, Harvard Neurology Professor, who co-discovered the three familial early-onset AD genes, and moderator Dr. Michael Hayden, Professor of Genetics at University of British Columbia, and the most cited author in the world for Huntington’s disease.

Funds raised from the event will support the research of Drs. Rosenberg and Tanzi. Dr. Rosenberg also received a $100,000 donation in May 2017 from Triumph over Alzheimer’s as the group’s inaugural beneficiary.

Dr. Rosenberg is developing a vaccine to prevent or delay the onset of Alzheimer’s. He and his team at UT Southwestern are currently developing the pre-clinical work to obtain an FDA license for human clinical trials.

Did you know?

Dr. Rosenberg’s other major area of research is the molecular and clinical study of genetic neurological diseases.

He and William Nyhan, M.D., Ph.D., first named Machado-Joseph disease, the most common dominantly-inherited ataxia and mutation.

There is no cure but genetic counseling has been successful in reducing or eliminating the disease in families.
Awards and Recognition

Betsy Kennard, Psy.D., received the Alfred M. Wellner, Ph.D., Lifetime Achievement Award from the National Register of Health Service Psychologists. It is the highest honor bestowed by the National Register to commemorate numerous and significant contributions to psychology during a distinguished career.

Munro Cullum, Ph.D., will serve as President of the Sports Neuropsychology Society (SNS), a national organization focusing on brain and behavior research and clinical application to all levels of sport.

Dr. Cullum is PI of the Concussion-Texas (Con-Tex) studies at UTSW and has been the team neuropsychologist for the Dallas Cowboys and Dallas Stars for more than 20 years.

Heidi Rossetti, Ph.D., received the Nelson Butters Award from the National Academy of Neuropsychology (NAN) for her manuscript titled “Montreal Cognitive Assessment Performance among Community-Dwelling African-Americans.”

The NAN Honors and Awards Committee reviews the peer-reviewed publications that appeared in the Archives of Clinical Neuropsychology the previous year.

Each publication is rated on the basis of the importance of the topic that is addressed, the scientific merit of the study it described, and its potential impact on the field.
Two O’Donnell Brain Institute employees, Susan Chacko and Rochelle Brozgold-Ready, recognized with UT Southwestern Strauss Award

Susan Chacko, RN, B.S.N., PCCN
Rehabilitation Unit, Zale Lipshy University Hospital

As a primary nurse and charge nurse, Ms. Chacko is regularly complimented for the respectful communication and support she provides to her peers. Her nominator wrote: “She communicates clearly and effectively with each individual – especially the patient care technicians – to ensure the team is providing excellent customer care and nursing care.”

As the unit Clinical Ladder champion, Ms. Chacko enthusiastically shares her nursing knowledge with others. She is known for maintaining a positive attitude even in challenging situations.

Rochelle Brozgold-Ready, M.S.S.W., LMSW
Social Work Supervisor, Ambulatory Neurosurgery

Rochelle is known for her compassion, helpfulness, and endless energy. Patients and employees seek her out to help with problem-solving because of her reputation for good judgment, openness to new ideas, and active listening skills.

She serves as a patient care bridge, starting with the acute care stay through discharge, and then back to the ambulatory setting. “This is a complex task and involves refined skills to communicate our mission and engage staff to deliver care,” her nominator wrote.
Shelley Brown-Cleere, MSN, RN, Director of University Hospital Neurosciences, and Byron Carlilse, BSN, RN, CCRN, Nurse Manager – Neurosciences Intensive Care Unit, were awarded a grant from the Texas Organization of Nurse Executives (TONE).

They will investigate the effectiveness of an increase in staff ratio in the Neurosciences Intensive Care Unit at Zale Lipshy University Hospital. The study will focus on patient satisfaction, nurse satisfaction, patient quality of care, and hospital finances.

Shaida Khan, D.O.
Assistant Professor, Neurology and Neurotherapeutics
Neuromuscular Clinic

Diane Nguyen, PMHNP-BC
Adult Psychiatry Clinic

O’Donnell Headlines

MedBlog

Talking about teen suicide: Why it's increasing and what parents and doctors can do

UTSW Newsroom

Don't let depression keep you from exercising

Scientists unravel DNA code behind rare neurologic disease

International research team finds brain changes linked to sleep need
The Multiple System Atrophy (MSA) Clinic, a specialty clinic in Neurology, hosted a breakfast on June 8, 2018, for patients and members of the community who live with MSA.

The event was held at the UT Southwestern Faculty Club and included information about mobility options as well as a research update from Dr. Steven Vernino (below left).

Elizabeth Kent, LCSW, (far left in photo on right), is pictured with members of a recent education class that Kent holds for UTSW MSA patients.

She also facilitates care management in the multidisciplinary MSA clinic.
The O’Donnell Brain Institute has partnered with the Perot Museum of Nature and Science to bring our expertise in the neurosciences to museum patrons, and explore the intersection of art and science.

For a “Summer Night” event at the Perot Museum, some of our neurology attendings and residents shared their brain knowledge with future scientists.
Dr. Mark Goldberg gave a talk at the Perot Museum titled, “Why Mark Can’t Dance: A Neuroscientist Explores his Musical Brain.”

Dr. Goldberg, along with musicians and a tap dancer from the Sammons Center for the Arts, demonstrated why some of us are Mozarts and some of us can’t hold a tune.

As part of our collaboration, the O'Donnell Brain Institute donated a human brain and spinal cord that is currently on display in the Perot Museum’s Human Hall. (below)
Upcoming Events

2018 Dallas Kids and Pros Youth Football Clinic and Sports Medicine CME
The O'Donnell Brain Institute has partnered with Childress Institute for Pediatric Trauma to offer a football clinic for youth athletes as well as CME hours in sports medicine. Faculty from Physical Medicine, Psychiatry, and Pediatric Neurology will be on hand while kids are on the field to answer parents’ questions on topics such as how to recognize a concussion.

**Date and Time:** Saturday, July 28, 2018, 8:30 a.m. - 12:00 p.m.
**Location:** Southern Methodist University, Gerald J. Ford Stadium

More information and registration for the football clinic

Sports Medicine CME
CME starts at 12:00 p.m.
Registration on site. Fee is $20.
Following the Kids and Pros clinic will be a 4-hour course for athletic trainers, EMS, and coaches. Topics include: life cycle of concussion treatment, CTE update, spine injury management, steps for prevention of common on-field ailments such as heat stroke. Also, learn about practical hands-on applications including spine-boarding, equipment removal after injury, and heat stroke and concussion detection.

2018 International Neuroscience Nursing Symposium
UT Southwestern’s Neuroscience Nursing Research Center will host its second annual International Neuroscience Nursing Research Symposium. The meeting will focus on innovative aspects of neuroscience nursing research by addressing recent literature, methodology, results, and clinical implications of clinical nursing research trials.

**Date and Time:** Saturday, August 11, 2018, 8 a.m. - 5 p.m.
**Location:** Hilton Anatole Hotel, Dallas, TX

More details and registration

Adaptive Sports Expo
The UT Southwestern Adaptive Sports EXPO is a free event designed to increase awareness of adaptive sports and promote active, healthy, and engaged lifestyles. People of all ages and ability levels are invited to attend.

**Date and Time:** Saturday, September 29, 2018, 9 a.m. - 3 p.m.
**Location:** UT Arlington campus

Reserve your complimentary event t-shirt and sign up for event reminders.
Is your professional photo from another decade?
Is your badge photo on your UTSW profile?
Were you having a bad hair day the last time you stepped in front of a camera?

If the answer to any of these questions is “Yes!,” then you are urged to attend the upcoming UTSW photo sessions.

To schedule a time slot, contact Paige Poletes in Marketing via email paige.poletes@utsouthwestern.edu or call 214-405-5526.

Date: August 9
Location: CUH, 3rd floor patient lobby on north side

Questions or comments about our newsletters?

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