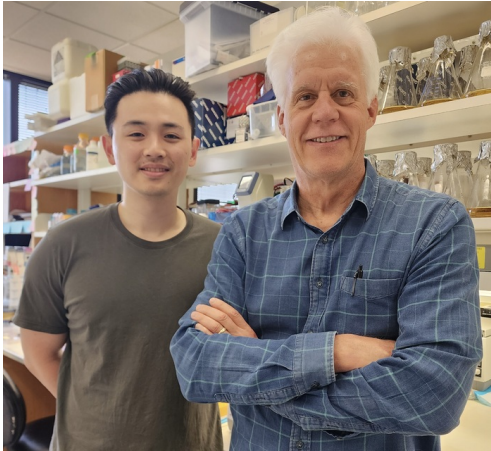


UTSW Researcher Tackles Genetic Heart Disease with Genomics

UT Southwestern
Medical Center®



(from left to right) Andreas Chai and Eric Olson, PhD

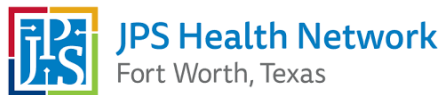
PhD student, Andreas Chai is the lead author of a recent Nature Medicine paper demonstrating the use of base editing to correct pathogenic mutations that cause hypertrophic cardiomyopathy (HCM).

One of the greatest congenital diseases of our present time may soon be written into the past by a pair of North Texas scientists. Hypertrophic cardiomyopathy (HCM), the most prevalent genetic heart disease, affects more than 0.5% of people in the US. Thickening of the heart muscle associated with HCM causes arrhythmia, heart failure, and sudden cardiac death. The condition often goes undiagnosed, and heart transplant is the only known cure.

Dr. Eric Olson's latest work attempts to level the playing field by employing base editing to correct one of the mutations that causes HCM. Published in Nature Medicine, the proof-of-concept study demonstrates that with a single nucleotide substitution, a subset of HCM patients could potentially be cured of the disease.

[Read full press release](#)

JPS Showcases Research, Collaboration and Quality in North Texas



(from left to right) Kathleen M. Otto, BioNTX, Admiral Brett P. Giroir, MD, U.S. Department of Health & Human Services and Melissa Acosta, PhD, JPS Health Network

JPS Health Network hosted a Research and Quality Symposium where they featured research abstracts and collaborations, outstanding residents, fellows, program directors, faculty, and more embodying the mission and values that have made JPS a premier health leader in North Texas.

JPS Health Network (JPS) is Tarrant County's public healthcare provider playing a critical role in our North Texas healthcare innovation ecosystem. Through John Peter Smith Hospital, JPS Surgical Center, a network of community health centers, and psychiatric services they provide patient access and affordability, research and development collaboration, partnerships, training and education.

This unique environment provides an ideal setting for conducting clinical trials, testing new treatments and therapies, and evaluating the effectiveness of innovative healthcare technologies. Serving diverse populations with the capacity to combine clinical expertise and research capabilities JPS Health Network is an invaluable institution driving forward the implementation of innovative healthcare solutions for the benefit of society as a whole.

OncoNano Medicine Reports Positive Phase 2 Trial of Pegsitacianine at ASCO Meeting



OncoNano Medicine, Inc. will present positive final results from its Phase 2 study of pegsitacianine, a pH-sensitive fluorescent nanoprobe for enhanced intra-operative visualization of cancer, in a podium presentation at the American Society of Clinical Oncology (ASCO) Annual Meeting 2023 next week in Chicago.

Results of the study show that acidic pH is a viable marker and can be used for tumor targeting by the company's ON-BOARD™ micelle platform.

[Read full press release](#)

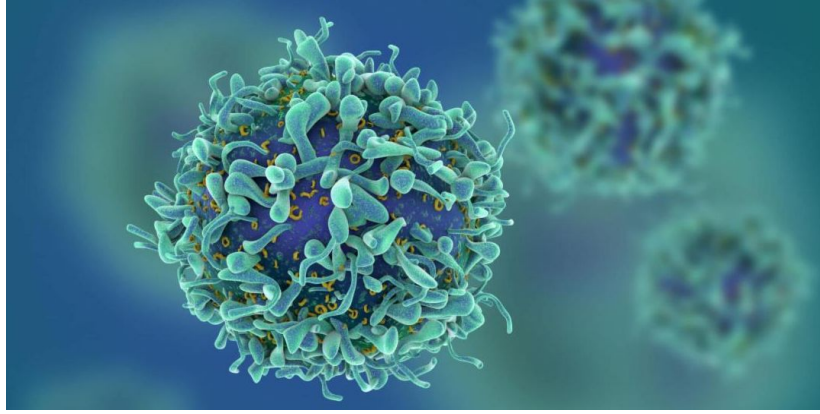
Taysha Gene Therapies Presents Rett Syndrome Data at 26th ASGCT Meeting



Taysha Gene Therapies, Inc., a clinical-stage gene therapy company focused on developing and commercializing AAV-based gene therapies for the treatment of monogenic diseases of the central nervous system (CNS), presents preclinical data from neonatal mouse models on TSHA-102 for Rett syndrome, including new data in wild-type mice, at the American Society of Gene and Cell Therapy (ASGCT) 26th Annual Meeting.

[Read full press release](#)

Baylor College of Medicine Researchers Discover Anticancer T Cells in Mice



Scientists at Baylor College of Medicine have discovered a crucial regulator of the anticancer immune response that could point to the development of new approaches to fight cancer. The research showed that transferring the regulatory T cells (Tregs) without SRC-3 to animals carrying breast cancer tumors resulted in long-term elimination of the tumor without negative side effects.

SRC-3 is not only highly expressed in all human cancers and plays a role in cancer growth, but it is also strongly expressed in Tregs that regulate the immune response to cancer. It had also been suspected that SRC-3 plays a role in regulating Treg function.

[Read full press release](#)

Baylor
College of
Medicine

UNT Professor Recognized for Mentoring Next Generation of Researchers



Jannon Fuchs, PhD

Jannon Fuchs, PhD, professor in the University of North Texas' Department of Biological Sciences, has been selected as the 2023 Council on Undergraduate Research (CUR) - Goldwater Scholars Faculty Mentor Awardee.

Founded in 1978, CUR focuses on providing high-quality and collaborative undergraduate research, scholarly and creative activity. The award gifts \$5,000 for the awardee's undergraduate research program.

"The CUR-Goldwater Scholars Program highlights the importance of mentoring students during their formative years as they develop talents, discover passions and make life-changing decisions," Fuchs said. "Today's undergraduate researchers will be tomorrow's problem-solvers in an increasingly complex and precarious world."

[Read full press release](#)

New Telementoring App Set to Revolutionize Rural Healthcare in North Texas



THE UNIVERSITY of NORTH TEXAS
HEALTH SCIENCE CENTER at FORT WORTH



Waridibo Allison, MD, PhD, FACP, CPE, FIDSA

The Rural Telementoring Training Center, a federally funded program housed within the Center for Health Policy at The University of North Texas Health Science Center at Fort Worth has created a Quality Measure Toolkit App. The app can help teams interpret which aspects of their telementoring programming (staffing, content, technology, marketing) are strong, and which ones still have room to grow. This critical tool for program and design evaluation was developed based on findings from published literature and national experts.

“Our ultimate goal is to support and see health care telementoring that is measurably of high quality, delivered across America to benefit rural and other communities,” said Dr. Waridibo Allison, principal investigator and director of the Rural Telementoring Training Center.

[Learn more about UNTHSC's app](#)

UTSW Student Wins Nominata Award for Kidney Cancer Research

UT Southwestern
Medical Center®



Divya Bezwada, PhD

Divya Bezwada, Ph.D., is the 2023 winner of the Nominata Award, the highest honor bestowed on a student by the UT Southwestern Graduate School of Biomedical Sciences.

Dr. Bezwada's research focused on clear cell renal cell carcinoma (ccRCC), the most common type of kidney cancer. ccRCC cells are known to have a disordered metabolism in culture, but her work is the first to identify how ccRCC tumors use different fuels to support growth in humans.

[Read full press release](#)

Ameriflight Receives FAA Approval for Drone Delivery Service in the US

AMERIFLIGHT



Dallas-based Ameriflight plans to operate the Matternet M2 drone for commercial delivery focusing on healthcare and e-commerce deliveries to customers in dense urban and suburban environments across the country.

Ameriflight says “medical samples and small-batch pharmaceuticals” will be the M2’s initial cargo, speeding up delivery compared to ground transportation and offering “increased reliability.”

[Read full press release](#)

North Texas Universities are Paving the Way for a Robust Life Science Ecosystem

BIONTX



(from left to right) Donald Lange, UTA, Cameron Cushman, UNTHSC, Nina Petty, Texas A&M University, Jason Chan, AIA, LEED AP BD+C, Perkins & Will, Sonalie Barr, TDIndustries, Inc., Kathleen M. Otto, BioNTX, Stephen Spiro, PhD, UTD and Todd Waldvogel, PE, TCU

BioNTX hosted a University Facilities Innovation breakfast at Pegasus Park in Dallas.

Moderator Cameron Cushman of The University of North Texas Health Science Center

(UNTHSC) and top executives, Donald Lange, The University of Texas at Arlington (UTA), Dr. Stephen Spiro, The University of Texas at Dallas (UTD), Nina Petty, Texas A&M University and Todd Waldvogel, PE, Texas Christian University (TCU) highlighted their multi-million dollar research and innovation development plans supporting the region.

Our collaborative North Texas universities are sustaining growth in our industry by investing in facilities that allow research and innovation to flourish.

Thanks to all who participated. Please be on a lookout for more Facilities events.

Learn more about the BioNTX Facilities Committee

A BIG Deal: Polsinelli Shines at Annual Healthcare Dealmakers Conference



Polsinelli held its Healthcare Dealmakers Conference last week in Dallas, marking the 16th installment of the event. This year the firm brought together 200+ companies from across the US and served as a platform for healthcare providers, innovators, and capital investors to come together, embrace opportunity and broker deals.

Texas Becomes Latest State to Expand Access to Biomarker Testing



Texas has joined a growing list of states expanding access to biomarker testing. The victory in Texas should be eye-opening to legislators across other states. Precision medicine accessibility is important to prevent the risk of worsening health disparities and missing opportunities to match patients with the most effective treatments.

Governor Greg Abbott signed Senate Bill 989 into law, making Texas the 11th state to expand access to biomarker testing. The Senate Bill 989 relates to health benefit plan coverage for certain biomarker testing.

[Read full press release](#)

High-Risk and High Reward Research Accelerating in Texas

Applications open June 27, 2023



TAMEST *Texas Academy of Medicine,
Engineering, Science & Technology*

Apply to TAMEST's The Hill Prizes, funded by Lyda Hill Philanthropies, which will celebrate top Texas innovators and researchers whose work could significantly impact science and society in five categories: Medicine, Engineering, Biological Sciences, Physical Sciences and Technology.

Each of the five prize recipients will receive \$500,000 in funding from Lyda Hill Philanthropies to accelerate their work.

[Learn more about The Hill Prizes](#)

Department of Commerce to Begin Nationwide Tech Hub Grant Program



The Commerce Department is launching the application process for cities to receive a total of \$500 million in grants to become technology hubs.

The \$500 million is part of a \$10 billion authorization from last year's CHIPS and Science Act to stimulate investments in new technologies such as artificial intelligence, quantum computing and biotechnology. It's an attempt to expand tech investment that is largely concentrated around a few U.S. cities — Austin, Texas; Boston; New York; San Francisco; and Seattle — to the rest of the country.

To qualify for the tech hub money, each applicant will need a partnership that includes one or more companies, a state development agency, worker training programs, a university and state and local government leaders. Roughly 20 cities are expected to be designated as tech hubs with 10 eventually receiving funding.

[Read full press release](#)

Submit Your Abstracts for CPRIT's Innovations in Cancer Prevention & Research Conference VI



Submit your abstracts to the Innovations in Cancer Prevention and Research Conference VI. Each accepted abstract will be presented as a poster during poster sessions to be held on each day of the conference with ample time for attendees to talk with presenters.

CPRIT's Innovations in Cancer Prevention and Research Conference VI will highlight the exceptional progress across cancer research, prevention, and product development at medical and academic research centers, in communities, and at companies around Texas. The conference will feature informative sessions on CPRIT-funded initiatives on computational biology and modeling for drug discovery, the use of artificial intelligence in imaging, the expansion of drug development resources and biomanufacturing facilities in Texas, and immunology and vaccine development in cancer.

Submit your abstracts now

HSC Next SBIR Phase 0 Program



The HSC Next SBIR Phase 0 Program provides innovative Tarrant County companies with one-on-one guidance, beginning with technology assessment. Select companies will enter a comprehensive one-month, cohort-based program that meets weekly and guides them through the grant writing processes. Additionally, participants receive one-on-one mentorship with SBIR experts that help founders fine-tune their proposals to increase the likelihood of receiving federal funding.

Apply now

Accepting Applications for 2023 Cohort Accelerator Programs

Apply Now!



Apply to Techstars Accelerator Program to join one of their 3-month, mentorship-driven accelerators, receive up to \$120,000 in funding, get hands-on mentorship & access to the Techstars network for life.

**Applications due
June 7, 2023**

Apply now



Apply to TechFW's Accelerator Program to get connected to resources you need to commercialize your technology. The cohort will begin tentatively on September 13.

**Applications due
September 5, 2023**

Apply now

Advancing Women-Led Technology to the Next Level of Innovation

Applications due June 23, 2023

TECHFW

 **TEXAS WOMAN'S**
UNIVERSITY

TechFW and the TWU's Center for Women Entrepreneurs have designated 5 awards for women entrepreneurs to participate in either the ThinkLab™ Accelerator or SmartStart™ Incubator program at TechFW, which will give them access to entrepreneurial coaching and provide innovators opportunities to take their ideas to market.

[Apply now](#)

Save the Date! iC³ Life Science Summit

iC³ = Innovation x Capital x Collaboration x Commercialization



Please join BioNTX and network with us and the bioscience and healthcare innovation community. Texas industry leaders discuss business strategies, and the broad spectrum of Texas bioscience research in our growing ecosystem.

[Register now](#)

[Reserve a hotel room for iC³](#)

Thank you 2023 sponsors!

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[Learn more about our 2023 iC³ Life Science Summit](#)

Upcoming Events & Opportunities in North Texas

UT Southwestern Medical Center.

Walk with a Doc

Join UT Southwestern to celebrate the opening of the UT Southwestern Fitness Center on the Katy Trail.

June 10, 2023

[Learn more here](#)



Venture World Summit

Join Venture Capital World Summit, Inc. to learn how to get more capital and expertise when scaling up, and growing internationally.

June 15, 2023

[Learn more here](#)



WISH Network Series

Join Health Wildcatters at their Women In Science and Healthcare Series Event where they continue to gather, meet like-minded individuals, and learn more about the WISH network. Get involved and hear from their June guest speaker Veena Somareddy, Co-Founder & CEO of Neuro Rehab VR.

June 19, 2023

[Learn more here](#)



Health Supernova

Join Capital Factory to network with meaningful connections among health tech innovators at their newest center of gravity for biotech innovation — Pegasus Park.

June 20, 2023

[Learn more here](#)



2023 National Meeting NIIMBL

Join NIIMBL to engage in unparalleled conversations with other key thought leaders around the crucial topics facing our community with confidence that those discussions are protected by the umbrella of NIIMBL confidentiality.

June 27 - 29, 2023

[Learn more here](#)

BioNTX works to build a strong bioscience and healthcare innovation community through collaborative peer to peer networking events and educational programming.

[Let us know about your event!](#)

[View the North Texas community calendar of events](#)

[Look at upcoming BioNTX events](#)



Join BioNTX

BioNTX delivers opportunities for Members to connect across the State. Join

