

HSC Next Innovation Labs Showcases the Innovative Start-Ups of Tomorrow



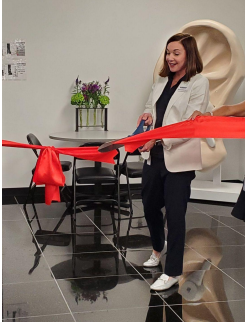
UNTHSC hosted the inaugural HSC NEXT Innovation Labs Showcase, highlighting several of the innovative biotechnology and therapeutics start-ups currently incubating on campus. As Fort Worth's best-kept secret for biotech start-ups, HSC NEXT Innovation Labs takes pride in eliminating barriers for early-stage companies and providing access to resources for growth and development.

Emerging companies including AyuVis Research, Cage Bio, ENTVantage, Memsel, Nacuity Pharmaceuticals, and VaxDome all call the HSC NEXT Innovation Labs home and were among those showcased for the public at the event. Entrepreneurs, investors, and researchers in attendance had the opportunity to meet the founders and learn how they are addressing today's health issues, as well as network and learn more about the start-up resources available at UNTHSC.

[Learn more about HSC Next Innovation Labs](#)

MEMBERS IN THE NEWS

Eosera Unveils Newly Redesigned, Larger Manufacturing Space



Elyse Dickerson, MBA

EOSERA announces the opening of a new facility featuring an expanded office space and manufacturing footprint. The growth highlights the leadership position EOSERA took in the ear care market.

With a dedicated workforce of 30 employees and best-in-class products such as Earwax MD and Ear Pain MD now available in over 28,000 retail stores, EOSERA disrupts ear care with new technology and innovative go-to-market strategy.

[Learn more about Eosera's New Facility](#)

Collaborative Drug Discovery Goes International with Golgi Neurosciences



COLLABORATIVE DRUG DISCOVERY

Neurodegenerative Disease is on notice. Golgi Neurosciences S.r.l., a new Italian incubator dedicated to the discovery and development of small molecule-based treatments for neurodegenerative diseases, announced that it has adopted Collaborative Drug Discovery's CDD Vault as its platform of choice for managing drug discovery data. This integration will streamline the Company's processes and collaborations, allowing for more efficient research and development.

[Learn more about CDD Vault's new partnership](#)

Lupagen + Fresenius Kabi Align to Bring Cell & Gene Therapies to Patients



Fresenius Kabi and Lupagen Inc. announced that the companies have entered into a development and supply agreement for technologies designed to bring the delivery of cell and gene therapies to the bedside.

Under the terms of the agreement, Fresenius Kabi will provide their expertise in apheresis collection and automated cell processing equipment to advance Lupagen's Extracorporeal Cell and Gene Therapy Delivery System, which focuses on simplifying and reducing costs for cell and gene therapy through a bedside procedure.

[Learn more about Lupagen's new partnership](#)

Lantern Pharma Releases Faster, Stronger AI RADR Platform to Accelerate Discovery



Lantern Pharma Inc., an artificial intelligence (AI) company developing targeted and transformative cancer therapies using its proprietary AI and machine learning (ML) platform, RADR®, with multiple clinical stage drug programs, announced a substantial increase in the power and capabilities of RADR® focused on improving the drug development process for immune checkpoint inhibitors (ICIs).

[Learn more about Lantern Pharma's RADR Platform](#)

Mark Cuban Cost Plus + Lupin Forge Alliance to Expand COPD Medication Access



Lupin Limited (Lupin) forged a unique collaboration with Mark Cuban Cost Plus Drug Company (Cost Plus Drugs), a pioneer in affordable medicines, and the COPD Foundation, dedicated to enhancing the lives of COPD patients. This collaboration aims to bolster access to healthcare by expanding the availability of Tiotropium Bromide Inhalation Powder, 18 mcg/capsule, to COPD patients in the US.

[Read full press release](#)

OncoNano + Regeneron Ink First-in-Human Clinical Trial Agreement



OncoNano Medicine, Inc. announced a clinical trial supply agreement with Regeneron for the use of Libtayo® (cemiplimab), a PD-1 inhibitor, in the combination stage of the first human trial of ONM-501, a dual-activating STING (STimulator of INTERferon Genes) agonist and lead therapeutic development candidate.

The ONM-501 first-in-human trial is a multicenter Phase 1a/b dose escalation and dose expansion study of intratumoral ONM-501 as monotherapy and in combination with Libtayo in patients with advanced solid tumors and lymphomas. OncoNano is the sponsor of the clinical trial, and Regeneron will supply cemiplimab.

[Read full press release](#)

NemaLife Files Bioassay Patent in Milestone for Gut Health Science



NemaLife, a TechBio company specializing in microfluidics, AI and nematode-based screening proudly announces the filing of a provisional patent application on an innovative microfluidic in vivo bioassay for identifying ingredients that improve gut health. This groundbreaking invention is set to transform the way we understand and enhance gut health, addressing critical issues related to leaky gut syndrome caused by aging, poor nutrition, and enteropathogenic infections.

[Read full press release](#)

RS BioTherapeutics + NIAAA to Tackle Idiopathic Pulmonary Fibrosis



RS BioTherapeutics, a life sciences company developing life-changing medicines for the millions of people suffering from diseases characterized by pulmonary inflammation, has entered into a Research Collaboration Agreement with the National Institute on Alcohol Abuse and Alcoholism (NIAAA), an institute within the National Institutes of Health (NIH), to assess the anti-inflammatory and anti-fibrotic potential of RS BioTherapeutics' lead compound, RSBT-001, in a preclinical pulmonary fibrosis model.

[Read full press release](#)

Spark Biomedical Stronger Than Ever Following Phase II Grant Award



Spark Biomedical, Inc., a Dallas-based pioneer in wearable neurostimulation technology, was awarded a \$1.15M Phase II grant to develop a Transcutaneous Auricular Neurostimulation (tAN®) device, Sparrow® Hawk, to address the adverse effects of acute stress reaction (ASR). In partnership with Battelle, Sparrow Hawk development brings a rapidly deployable, non-invasive, wearable approach to ASR prevention and treatment into the battlefield setting.

[Read full press release](#)

Taysha Gene Therapies Wins FDA Fast Track Designation



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), announced the U.S. FDA has granted Fast Track Designation (FTD) to TSHA-102, a self-complementary intrathecally delivered AAV9 gene transfer therapy in clinical evaluation for Rett syndrome.

[Read full press release](#)

NORTH TEXAS NEWS

UTA Leads All-Star North Texas Cast in National Biomanufacturing Hub Bid



The University of Texas at Arlington and its partners in North Texas and Oklahoma are leading the effort to make the region a biomanufacturing training and research hub that meets the demands of U.S. and foreign biotech companies.

“With UTA’s incredible talent in research and business development in the region, we are serving as the lead of this consortium, knowing it will help further leverage biomanufacturing innovation in a research triangle with Dallas to the east, Fort Worth to the west and Oklahoma City to the north,” said UTA President Jennifer Crowley. “We are grateful to Lyda Hill Philanthropies for its generous grant that funded part of the initial market assessment for North Texas that helped build our case for the EDA.”

[Read full press release](#)

ACU Science + Engineering Research Facility Grand Opening Attracts International Scientists



(from left to right) Rusty Towell, PhD, Director of NEXT Lab; Phil Schubert, MBA, EdD, President of ACU,

Max Dillard, Managing Director & Founder, The Dillard Anderson Group, April Anthony, Chair of ACU's Board of Trustees, Doug Robison, Founder of Natura Resources; and Weldon Hurt, Abilene Mayor

The Gayle and Max Dillard Science and Engineering Research Center (SERC) – home of Abilene Christian University's Nuclear Energy eXperimental Testing Laboratory and the future home of one of the first advanced reactors in the United States.

"The Dillard Science and Engineering Research Center is a building unlike any other at ACU or on the campus of most universities across the nation," said Dr. Phil Schubert, ACU president, at the opening of the facility. "This 28,000-square-foot facility will allow students, especially undergraduates, to contribute to world-class research and groundbreaking technology in ways not available at most other universities. It also will bring scientists from other organizations and universities to Abilene to collaborate with our scientists and students in this unique space."

[Read full press release](#)

Baylor Unravels Secrets of DNA Linked to Infertility and Cancer



Michael A. Trakselis, PhD

Michael A. Trakselis, PhD, professor and director of graduate affairs for the Department of Chemistry and Biochemistry had to overcome 2 barriers to conduct his groundbreaking research on DNA enzyme.

For 15 years, Trakselis has been interested in the MCM8/9 enzyme. Part of the minichromosome maintenance protein (MCM) family, MCM8/9 is directly linked to ovarian insufficiency, infertility and cancers including ovarian, testicular and colon cancers, yet little is known about how this enzyme works and its connection to disease. There was no understanding of the relationship between the structure and function of the enzyme.

[Read full press release](#)

UNTHSC Awarded to Establish Critical HIV+AIDS Training



The University of North Texas Health Science Center at Fort Worth's Center for Health Policy has received a new round of federal funding to improve the quality of and access to HIV/AIDS health care and support.

The activities HSC's arm of the AETC will undertake through this grant include providing training and technical assistance to providers treating patients with or at risk for HIV; developing innovative and interactive educational tools for regional health care providers; partnering with a clinical practice site to provide coaching and organizational capacity building; supporting providers

[Read full press release](#)

Lyda Hill Expands STEM Pathways at TWU For Next Generation of Scientists



Students participated in a summer STEM workshop at TWU

Texas Woman's University has received a grant from Dallas-based Lyda Hill Philanthropies to create additional pathways for community college students to receive four-year STEM degrees, an effort that aims to better position the Metroplex for job growth in the life sciences and other STEM fields by increasing the number of college-educated STEM workers — a move critical to the region's economic success.

"This project will give community college students a chance to work with mentors and graduate students in research laboratories at TWU," said Juliet V. Spencer, head of the School of the Sciences at TWU, and one of five TWU professors and administrators leading the project. "Studies demonstrate that getting students into research labs and working with faculty on STEM research makes it more likely that they will want to continue their STEM educations, either at the bachelor's level or in graduate school."

[Read full press release](#)

UTA Funds Researchers to Commercialize New Technologies



(from left to right) Georgios Alexandrakis, PhD, MS, Wei Chen, PhD, MS and Muthu Wijesundara, PhD

The Office of the Vice President for Research and Innovation at The University of Texas at Arlington has granted three Commercialization Gap Fund (CGF) awards totaling more than \$200,000 to help faculty members further develop new technology.

“Our faculty have so many great ideas, many of which have been patented,” Kate C. Miller, vice president for research and innovation said. “The idea behind these grant funds is to help our researchers further develop their innovative technology to prove up those concepts so that they can ultimately be licensed and produce income for the inventory and the University.”

[Read full press release](#)

Meet the UTA Researcher on a Mission to Improve Medical Imaging for Oncologists



Souvik Roy, PhD, MS

A multidisciplinary team lead by University of Texas at Arlington mathematics Assistant Professor Souvik Roy is on a mission to improve medical imaging using a new technique called quantitative photoacoustic tomography (QPAT).

“QPAT is robust because it uses information from two types of imaging techniques and has the potential to provide high-quality images. It can tell us so much more about what’s going on under the skin,” Roy said. “By providing better images, doctors will be able to make more accurate diagnoses in shorter time frames. This will lessen anxiety for patients as well as decrease costs for the health care industry by reducing the need for repeated scans.”

[Read full press release](#)

UTD To Offer New Bachelor's Degree in Public Health this Fall



The University of Texas at Dallas has launched a new Bachelor of Arts in public health to meet the needs of students who want to study the social components of health.

“The study of public health offers students a dimension beyond traditional science classes,” said Scotch, who is also a professor of public policy and political economy. “Our Bachelor of Arts degree is intended for students who seek a broad preparation for careers in the health care sector that is informed by an understanding of the social aspects of health and illness, rather than students who seek skill-based pre-professional training.”

[Read full press release](#)

Uniting the Leigh Syndrome Community To Accelerate Research and Treatments



EMPOWER AND INSPIRE:

2ND ANNUAL
LEIGH
SYNDROME
SYMPOSIUM



STEVEN GRAY, PHD
UNIVERSITY OF TEXAS
SOUTHWESTERN
MEDICAL CENTER

KEYNOTE:
GENE THERAPY
FOR
NEUROLOGICAL
DISORDERS

JOIN US VIRTUALLY ON SEPTEMBER 19, 2023
TO REGISTER:
CUREMITO.ORG/CONFERENCE



Join Cure Mito Foundation for their 2nd annual conference focused on Leigh Syndrome. This event is open to patients, their families, industry, and researchers and will focus on the latest research related to Leigh syndrome.

Steven Gray, PhD, Associate Professor, UT Southwestern Medical Center will describe the current state-of-the-art for using AAV vectors to deliver genes to the nervous system and discuss examples where this has been used successfully.

[Register now](#)

FUNDING & MENTORSHIP OPPORTUNITIES

Take your Start-Up to the Next Level

Applications closes on September 27, 2023



TEXAS TECH UNIVERSITY
Innovation Hub
at Research Park

Apply to Texas Tech University's Prototype Fund, which empowers entrepreneurs to create a prototype based on customer discovery insights. They are looking for established startups with innovative solutions that are ready to develop their minimum viable product.

[Apply now!](#)

Empowering Women-Led Start-Ups in Texas

Applications closes on September 18, 2023



Apply to Eosera's 2nd annual EmpowHERment Pitch Competition for a chance to win a total of \$25,000. This competition is designed for female-led, Texas-based startups with only three finalists selected to pitch to a live audience.

[Apply 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](#)

Influence Innovation Roadmaps and the Future of Human Potential

Applications due September 14, 2023



Apply to MassChallenge's Human Potential Sprint for an opportunity to be part of a virtual 6-week program designed to support strategic industry exposure with customers, partners, and investors.

[Apply now](#)

Accelerating Cancer Therapeutics

Applications due October 13, 2023



Apply to TMC's Innovation Accelerator for Cancer Therapeutics for the opportunity to participate in a nine-month Accelerator. Participants will gain a deep understanding of market research, FDA regulations, intellectual property, licensing, finance, fundraising, legal, and other critical areas that will propel your business for long-term success.

[Apply now](#)

Become a Mentor: Help Students Gain Skills for Biotech Careers



LAUNCHBIO

The Biotech Career Workshop, located at Pegasus Park in Dallas, TX, is an immersive, full-day experience designed specifically for underserved students to foster their interest in biotechnology and entrepreneurship. It aims to provide students with the knowledge, skills, and resources necessary to pursue successful careers in the biotech industry while encouraging innovation and entrepreneurship.

LaunchBio is looking for volunteers to serve ninety minutes to judge students' pitches and share significant lessons acquired during their careers.

[Apply to volunteer](#)

INDUSTRY EVENTS

Save the Date!
iC³ Life Science Summit

BIONTX

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

Thank you 2023 sponsors!





Learn more about our 2023 iC³ Life Science Summit

Congressional Appropriations: How to Make Your Own Pot of Money



Speaker



Evan Dorner
Director
Strategic Marketing Innovations, Inc.

Join BioNTX and Strategic Marketing Innovations, Inc. to learn about the yearly Congressional appropriations process and how it can get your company non-dilutive funding for research.

Register now

Upcoming Events & Opportunities in North Texas





Resting State Brain Connectivity 2023

Join UTD to listen to early-stage, and seasoned investigators present and discuss their own work, and to keep up to date with the latest developments in the neuroscience of the resting brain.

September 18 - 20, 2023

[Learn more here](#)



2nd Annual Leigh Syndrome Symposium

Join Cure Mito Foundation for their 2nd annual conference focused on Leigh Syndrome. This event is open to patients, their families, industry, and researchers and will focus on the latest research related to Leigh syndrome.

September 19, 2023

[Learn more here](#)



2023 Boehringer Ingelheim Innovation Prize and Networking Reception

Join Boehringer Ingelheim to network with other bio-entrepreneurs as well as hear from scientific and commercial leaders as they discuss some of the implications of the financial downturn such as when to seek pharma investment or pharma collaboration - growing alternatives to traditional biopharma fundraising.

September 19, 2023

[Learn more here](#)



Latina in STEM - Increasing and Encouraging the Pipeline

Join Women in Bio to listen to how we can get more Latina girls into post-secondary education and training opportunities in the life science field and the ongoing support that are needed to continue to increase the opportunities and retention of Latina women in STEM careers.

September 20, 2023

[Learn more here](#)



2023 Champions for a Cure Tournament

Join To Cure a Rose Foundation for a golf tournament, live music, auction and awards banquet, and more! All proceeds benefit To Cure a Rose Foundation, developing treatments for children with ultra-rare genetic diseases.

October 1 - 2, 2023

[Learn more here](#)



CANCER PREVENTION & RESEARCH INSTITUTE OF TEXAS

Innovations in Cancer Prevention and Research Conference

Join CPRIT to learn about the exceptional progress across cancer research, prevention, and product development at medical and academic research centers, in communities, and at companies around Texas.

October 2 - 3, 2023

[Learn more here](#)



TechFW's Impact Showcase

Join TechFW to meet brave entrepreneurs create something extraordinary from nothing

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](#)

and learn about the cutting-edge tech scene of North Texas.

October 5, 2023

[Learn more here](#)

[of events](#)

[Look at upcoming BioNTX events](#)



Happy Patriot Day

On this day of remembrance, we will never forget.

National Day of Remembrance

**WE WILL NEVER
FORGET**

PATRIOT DAY 9.11

September 11, 2023

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