



What Our Industry Needs to Know about Changing Technology

Unpacking the Digital Terrain:
A Comprehensive Look at the Current
National Cybersecurity Status in
Healthcare & Bioscience

December 6, 2023
10:00am - 11:00am CST

Zoom Webinar



Panelists



Hazel Chappell
CEO & Founder
ishca health
(Moderator)



Charles Auger
Founder & CEO
HEAL Security
Managing Director of Technology
Health2047



Timothy Newman, JD
Partner
Haynes & Boone, LLP



Aparupa Sengupta, PhD, RBP
Senior Program Officer
Global Biological Policy and Program
Nuclear Threat Initiative

Guided by a distinguished subject matter expert, Hazel Chappell BioNTX brings the crucial conversation of **cyberbiosecurity**, to you.

Join us on **Wednesday, December 6th at 10:00am** and hear why prioritizing organizational operations and cultivating resilience through enhanced security measures is not just advisable but paramount for ensuring business continuity.

[Register now!](#)

Fostering Innovation with Artificial Intelligence

RSVP

January 25, 2023
3:00pm - 5:00pm

TTU Innovation Hub
3911 4th Street
Lubbock, TX 79415

Artificial Intelligence has become a powerful catalyst for change and creativity.

North Texas bioscience companies like Lantern Pharma and NemaLife are leading the way and can inspire, educate, and empower individuals, businesses, and organizations to harness the full potential of AI in their quest for innovation.

BioNTX is proud to be holding our first program in Lubbock, along side the **Texas Tech University Innovation Hub.**

[Register now!](#)

Lantern Pharma Scores FDA Orphan Drug Designation for Lymphoma Treatment



Lantern Pharma, the premier AI-driven company in targeted cancer drug development through its RADR® AI and ML platform, has received FDA Orphan Drug Designation for LP-284 in treating high-grade B-cell lymphoma with MYC and BCL2 rearrangements.

The designation is massive news, and the rapid progression of LP-284 into clinical trials underscores Lantern's commitment to advancing transformative cancer treatments through AI.

[Read full press release](#)

Inside NemaLife's Drive to

Sustainable AI-Powered Solutions



Lubbock, TX



[Read full press release](#)

NemaLife, an innovative TechBio company utilizing proprietary AI and microfluidics for bioactive discovery has announced the appointment of a Strategic Advisory Board, comprised of executive leadership from various industries and sciences.

In a push to further Nema Life's innovation and research portfolio, the Strategic Advisory Board will play a crucial role in steering NemaLife's mission to innovate ingredient discovery in functional foods, sports nutrition, animal health, and pharmaceuticals.

More Upcoming AI and Cybersecurity Events in North Texas



Artificial Intelligence and Cancer: Promises and Challenges

Join MassChallenge to hear from experts who will share insights on advancements in diagnosis and breakthroughs in early detection, treatment and care.

December 13, 2023

[Learn more](#)



Cybersecurity Forum

Join Tech Titans to hear from thought leaders, professionals, and enthusiasts come together to define the future of cybersecurity.

December 14, 2023

[Learn more](#)

UTA Machine Learning Model Boosts Predicted Cancer Cure Rates



(from left to right) Suvra Pal, PhD, MS and Wisdom Aselisewine

As global computing power has rapidly advanced, machine-learning (ML) techniques have gained popularity in predicting survival rates for diseases like cancer, heart disease, and COVID-19.

No stranger to advancing science or technology, Researchers at UTA have developed a groundbreaking cancer survival prediction model boasting a 30% improvement over previous methods.

[Read full press release](#)

OTHER BIONTX MEMBERS IN THE NEWS

UT Southwestern Scientists Among World's Most Cited Researchers

UT Southwestern
Medical Center



More than a dozen scientists from UT Southwestern Medical Center have earned a place on the prestigious 2023 Highly Cited Researchers list, recognizing the top 1% globally for their substantial influence in diverse research fields. UT Southwestern researchers are at the forefront of around 5,800 projects, securing over \$643 million in support from entities such as the National Institutes of Health, the state of Texas, foundations, individuals, and corporations.

[Read full press release](#)

KNIGHTED: AyuVis Gets BLUE KNIGHT™ Nod for Drug Advancement



North Texas' AyuVis Research, has been Knighted. The company has been chosen to be a part of BLUE KNIGHT™, a collaborative venture between Johnson & Johnson Innovation's JLABS and the Biomedical Advanced Research and Development Authority (BARDA).

AyuVis has also been awarded a virtual residency at JLABS @ TMC, situated at the Texas Medical Center in Houston. Participation in these initiatives is poised to bolster AyuVis' drug development program and facilitate the pursuit of further non-dilutive funding opportunities.

Dr. Suchismita Acharya, PhD
CEO, AyuVis Research

[Read full press release](#)

Clinical Milestones: Island Pharmaceuticals Initiates Human Dosing for Dengue Drug



Island Pharmaceuticals, a frontrunner in antiviral drug development, has hit a developmental milestone after announcing it has commenced first cohort dosing in its Single Ascending Dose study for ISLA-101.

The groundbreaking initiative targets the prevention and treatment of dengue and other mosquito-borne diseases, showcasing the company's commitment to advancing innovative solutions in the field.

[Read full press release](#)

NexPoint Invests Early in Bioplastics

NEXPOINT

NexPoint, a multi-billion-dollar alternative investment firm, has committed \$2 million in the early growth funding round of PlantSwitch, a bioplastics manufacturer pioneering a carbon-negative production process. This investment, part of a total \$7.7 million raised in the round, demonstrates NexPoint's strategic alignment with PlantSwitch's mission to replace petroleum-based single-use plastics with compostable bioplastic resin. PlantSwitch's innovative manufacturing process utilizes agricultural waste like rice husks and wheat straw, transforming them into biodegradable and compostable resins while contributing to a sustainable future by upcycling cellulose-rich byproducts.

[Read full press release](#)

Mark Cuban Cost Plus Drug Adds Expion Health to Growing Partnerships



Mark Cuban Cost Plus Drug Company has announced a strategic partnership with Expion Health that will integrate Cost Plus Drugs' revolutionary pricing model into Expion's product suite, offering a unique solution to the rising costs of specialty drugs.

Dr. Alex Oshmyansky, CEO of Mark Cuban Cost Plus Drug Company, highlights the excitement about the collaboration in North Texas, emphasizing the shared commitment to delivering lower prescription drug prices.

[Read full press release](#)

UTD Launches Clinical Trial Unit Initiative



THE UNIVERSITY OF TEXAS AT DALLAS



[Read full press release](#)

The University of Texas at Dallas' School of Behavioral and Brain Sciences has announced a collaborative venture with the Office of Research and Innovation to inaugurate a Clinical Trials Unit.

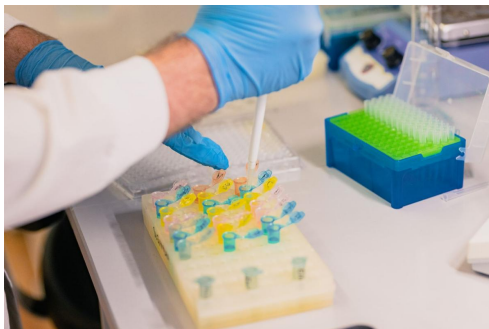
A new, cutting-edge facility will provide the unit with essential support for human trials involving therapeutic drugs and devices, initially emphasizing behavioral and brain disorders. Open to all UTD researchers, the unit will initially begin conducting clinical trials for hearing loss, pain, and neurological diseases.

The university's development of a specialized clinical trial unit emphasizes the concerted effort among North Texas academic institutions to innovate transformative health solutions in alignment with the recent, federal ARPA-H Customer Experience Hub designation.

UTD Team Develops Gene Therapy for Improved Neuroblastoma Tumor Treatment



THE UNIVERSITY OF TEXAS AT DALLAS



[Read full press release](#)

UT Dallas researchers have pioneered a gene therapy for 'pre-treating' neuroblastoma tumors. The treatment is being designed as an adjuvant to boost chemotherapy effectiveness by expanding tumor blood vessels and increasing drug delivery.

Initial findings have also demonstrated an increase in tumor cell receptivity to chemotherapy after 'pre-treatment'. While researchers are thrilled with the findings, it is understood that further research is required before the method can be considered for clinical use.

DFW Airport Sweeps Conservation & Sustainability Honors for 5th Straight Year

CEIV Pharma
Community



DFW Airport achieves a remarkable milestone, earning its fifth consecutive recognition as a 2023 Texan by Nature 20 honoree, underscoring the airport's unwavering dedication to conservation and sustainability.

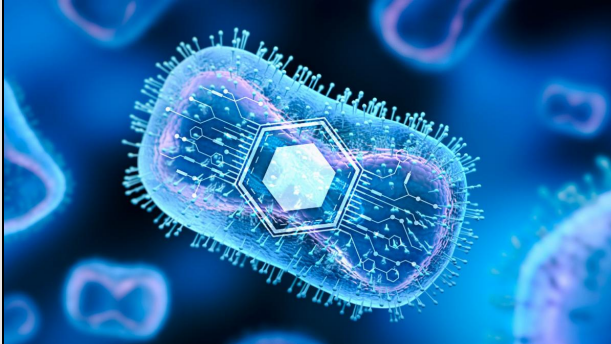
DFW Airport has consistently led the way in environmental stewardship, earning the distinction of being the first carbon-neutral airport in North America in 2016. Notably, it maintains its position as the largest carbon-neutral airport globally. Committed to sustainability, DFW aims to achieve net-zero carbon emissions by 2030, surpassing the United Nations' airport recommendations. This forward-thinking approach remains a

cornerstone of the airport's operational philosophy.

[Read full press release](#)

NORTH TEXAS NEWS

Texas A&M Develops Cancer-Killing Bacteria



As multi-university team backed by federal funding, Texas A&M scientists and their colleagues are pioneering a cost-effective bacterial therapeutic for precise cancer targeting at a single \$1 dose. The news is inspiring, given that traditional cancer treatments often entail harmful side effects, low patient responsiveness, and exorbitant costs.

With a \$20 million grant from the Advanced Research Projects Agency for Health (ARPA-H), led by Texas A&M University and the University of Missouri, the initiative aligns with the Cancer Moonshot initiative, aiming to enhance cancer research and health outcomes.

[Read full press release](#)

Great Investments: TTU Innovation Funds Prototype Advancements for Start-Ups



The Texas Tech University Innovation Hub announced the recipients of the 2023 Prototype Fund this week, allocating a total of \$55,000 to four startups led by Texas Tech alumni and West Texas community members focusing on pioneering solutions in biotech, healthcare, and environmental technologies.

Dr. Ganga Baskar, Program Director at The Hub, emphasized that the fund's role in empowering entrepreneurs to transition from dreamers to doers, and providing crucial support for advancing innovative ideas into tangible realities is a welcome addition to the growing innovation ecosystem in the region.

[Read full press release](#)

FUNDING & MENTORSHIP OPPORTUNITIES

PSC Grants Funds for New Therapy Discovery

Application ends on January 15, 2024

PSC Partners and affiliate PSC Partners Canada award annual grants that drive research to identify treatments and a cure. Their Research Grants Program seeks to encourage investigators to conduct research in promising new areas, with the goal that data generated will lead to further seed funding from additional sources.

[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](#)

INDUSTRY EVENTS

Holiday Cheers: Happy Hour Celebration



Deloitte.

BIONTX



BIO Break: Dallas' Life Sciences Happy Hour

Pegasus Park
3000 Pegasus Park Drive
Dallas, TX 75247

[RSVP](#)

Thursday
December 7, 2023
5:00pm - 7:00pm

Jingle and mingle with BioNTX, McDermott Will & Emery and Deloitte at our special Holiday-themed happy hour! Be part of a spirited evening filled with not only professional connections but also the warmth of good cheer and a shared commitment to bolstering local businesses. Join us for a memorable and festive gathering, where we celebrate the holiday season together!

RSVP now

Upcoming Events & Opportunities in North Texas



Mastering Australian Privacy and Principles for Clinical Trials

Join MyData-TRUST to learn more about the
The Privacy Act 1988 and the Australian
Privacy Principles.

December 5, 2023

[Learn more](#)

TECHFVW

Tech Together Holiday Party and 25th Anniversary Celebration

Join TechFW to celebrate the holiday season,
connect with our community, hear from
portfolio companies, and honor the 25-year
anniversary of TechFW.

December 5, 2023

[Learn more](#)

techstars

Techstars Demo Day 2023

Join Techstars to hear from the founders
themselves about the problems they are
solving and the solutions they're building.

December 6, 2023

[Learn more](#)



2023 ACS CAN North Texas Policy Forum

Join ACS to hear what is being done across
Texas to detect cancers early, increase
equitable access to screenings and policy
solutions to advance cancer prevention.

December 7, 2023

[Learn more](#)



Healthcare Think Tank ARPA-H Meeting

Join Healthcare Think Tank to learn about all
the exciting things happening in North Texas
and hear from key people involved with
ARPA-H about how and what to expect.

December 7, 2023

[Learn more](#)

UT Southwestern Medical Center

Biomedical Engineering Solutions to Medical Challenges in the 21st Century

Join UT Southwestern for a symposium
on biomedical engineering's innovative
solutions to medical challenges at the new
Texas Instruments Biomedical
Engineering and Sciences Building.

December 8, 2023

[Learn more](#)

BIOTECH CLUB UT SOUTHWESTERN

Career Exploration Discussion

Join the Biotechnology Club at UTSW to hear



Health Innovators Holiday Happy Hour

from recent hires in the biotech industry give insights on hiring and helping you make informed decisions for your next career move.

December 8, 2023

[Learn more](#)

Join Health Wildcatters for a Happy Hour to celebrate the holiday season!

December 13, 2023

[Learn more](#)

Join BioNTX

BioNTX provides opportunities for Members to connect across Texas, collaborate with others, receive industry insights, and increase visibility. We are the voice and champion for the life science community in NTX.



BioNTX

December 4, 2023

Stay Connected!



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