



151

INVENTION DISCLOSURES

30

U.S. ISSUED PATENTS

48

PROVISIONAL
PATENTS FILED

108

NON-PROVISIONAL
PATENTS FILED

38

LICENSE AGREEMENTS

15

TECHNOLOGIES LICENSED
TO STARTUPS



RESEARCH
COMMERCIALIZATION

TEXAS TECH
Research & Innovation

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TEXAS TECH UNIVERSITY SYSTEM SEAL
Engineered from symbols of knowledge, discovery,
leadership, and service—unified within a single
system built to advance Texas and shape what comes next.



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IMPACT REPORT



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FIG. 8A
U.S. 12,654,839 B2
Represents the assembled fixed-wing version
of the reconfigurable UAV, optimized for
high-speed, long-range flight

TECH TRANSFER AT TEXAS TECH

FROM RESEARCH AND FACULTY ENGAGEMENT TO INTELLECTUAL PROPERTY,
LICENSING AND COMMERCIALIZATION, TEXAS TECH RESEARCH
COMMERCIALIZATION HELPS GUIDE INNOVATION THROUGH EVERY STAGE OF
THE JOURNEY FROM DISCOVERY TO IMPACT.

Discovery is only the beginning. Through Texas Tech Research
Commercialization, promising research and creative ideas are
given the support, strategy and connections needed to move
toward meaningful real-world impact.

Our 2026 Year in Review celebrates the inventors, partnerships
and progress that shaped another year of innovation across the
Texas Tech University System. From protecting intellectual
property and advancing technologies toward market, to
generating **\$1.2 million in licensing revenue**, each milestone
reflects the collaboration behind bringing bold ideas to life.

Across the Texas Tech University System, discovery continues to
move forward—opening new possibilities, creating new
opportunities and extending the reach of research far beyond our
campuses.

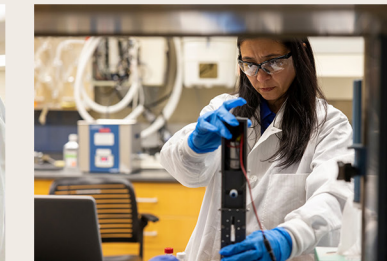
Jennifer Souter

Jennifer Souter, Senior Managing Director
Research Commercialization



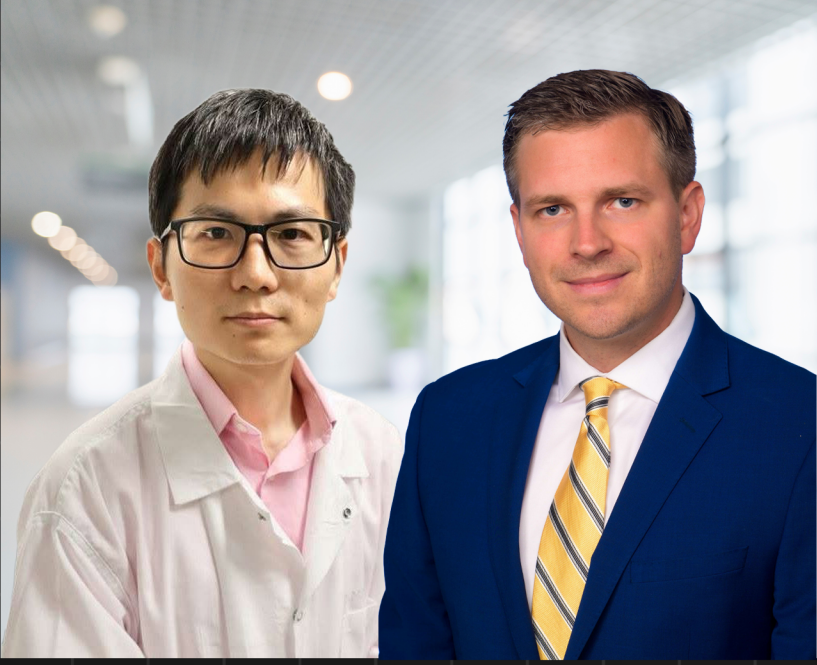
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9TH ANNUAL INVENTOR CELEBRATION

THE ANNUAL INVENTOR CELEBRATION IS HOSTED BY TEXAS TECH RESEARCH COMMERCIALIZATION TO CELEBRATE THE INNOVATIVE CONTRIBUTIONS THAT ADVANCE THE TEXAS TECH UNIVERSITY SYSTEM'S IMPACT ON TECHNOLOGY AND RESEARCH.



EMERGING INVENTORS

The 2026 Emerging Inventor of the Year Awards recognize two researchers advancing discovery and innovation across the Texas Tech University System.

At Texas Tech University, Minxiang (Glenn) Zeng, Ph.D., Assistant Professor in the Department of Chemical Engineering, develops advanced materials and manufacturing techniques with applications in energy, environmental technologies, flexible electronics and sensing.

At Texas Tech University Health Sciences Center, Aric Logsdon, Ph.D., an Assistant Professor in the School of Medicine's Department of Pharmacology and Neuroscience, investigates neuroinflammation, cerebrovascular function and brain glycans to uncover new approaches to treating neurological diseases including traumatic brain injury and Alzheimer's disease.

Together, Zeng and Logsdon demonstrate the breadth of innovation across the Texas Tech University System from engineering next-generation materials to advancing biomedical discovery and potential new therapies.

2026 AWARDEES

EMERGING INVENTOR (TTUHSC)
ARIC LOGSDON, Ph.D.
ASSISTANT PROFESSOR IN THE SCHOOL OF MEDICINE,
TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER

MOST DISRUPTIVE TECHNOLOGY
TEXAS TECH UNIVERSITY INSTITUTE OF GENOMICS FOR CROP ABIOTIC STRESS TOLERANCE (IGCAST)
The IGCAST advances agricultural innovation through cutting-edge genomics and biotechnology research aimed at developing more resilient crops that can withstand drought, extreme temperatures, and other environmental stresses.

STARTUP OF THE YEAR
RAHM SENSOR DEVELOPMENT, INC.
A health technology company developing contact-free monitoring solutions that combine advanced sensor technology, machine learning and computer vision to detect vital signs and potential medical distress in real time.

EMERGING INVENTOR (TTU)
MINXIANG (GLENN) ZENG, Ph.D.
ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING,
TEXAS TECH UNIVERSITY

DEAL OF THE YEAR
CAPROCK BIOTECHNOLOGY, LLC
A biotechnology company advancing Texas Tech University System-developed technologies toward innovative therapeutic treatments for substance use disorder and alcohol use disorder.

COMMERCIALIZATION IN EXCELLENCE
MODUL, LLC
A software company commercializing a no-code to low-code workflow management platform that streamlines healthcare delivery and other complex business processes, based on technology developed within the Texas Tech University System.

FROM LAB TO MARKETPLACE

RESEARCH COMMERCIALIZATION SERVES THE TEXAS TECH UNIVERSITY SYSTEM HELPING TO MOVE RESEARCH DISCOVERIES FROM THE UNIVERSITY LABORATORY TO THE MARKETPLACE. THE STORIES BELOW REPRESENT EXAMPLES OF TECH TRANSFER IN ACTION.

TKQUANT SEEING WHAT MOVES BENEATH THE SURFACE

What if clinicians could measure how tissues move inside the body, in real time, without attaching a single physical marker? Texas Tech University and Texas Tech University Health Sciences Center researchers Phil Sizer, Ph.D., Suhas Pol, Ph.D., and Kerry Gilbert, Ph.D. turned that question into a patented technology.

Their non-invasive system uses imaging and virtual markers to measure internal tissue and fluid movement—opening possibilities for applications ranging from rehabilitation and orthopedics to sports medicine and obstetrics. Now, through their startup TKQuant, the team is taking the next step: moving the technology from the research lab toward real-world clinical use.



AGRADIGM ADVANCING ANIMAL HEALTH FROM RESEARCH TO MARKET

Agradigm develops science-based products and solutions for the food and agriculture industries, combining expertise in food safety, animal health and functional ingredients.

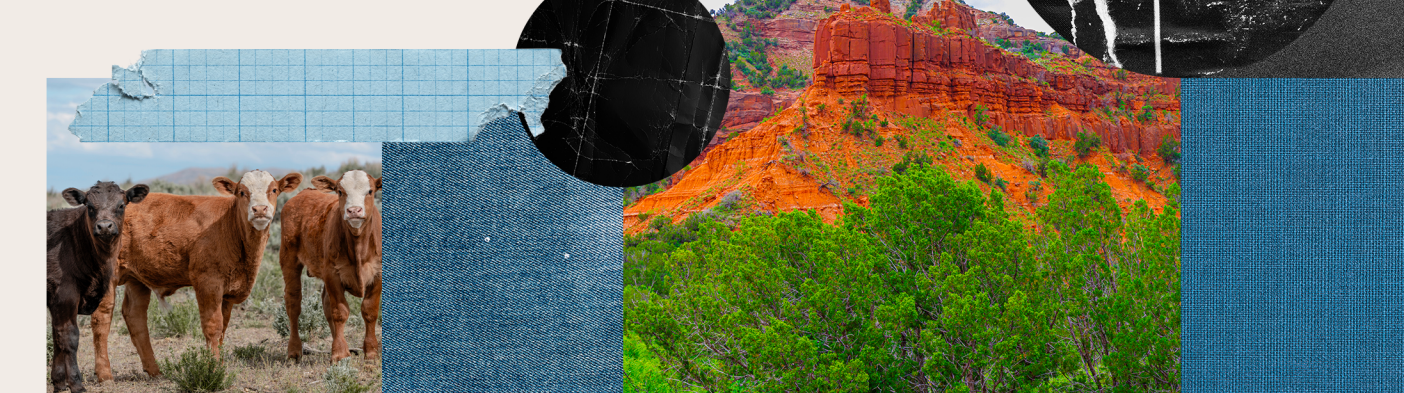
The company licensed Texas Tech intellectual property focused on animal probiotics, connecting research developed at the International Center for Food Industry Excellence at the Davis College with commercial development. This year, Agradigm reached an important commercialization milestone with the launch of its first product incorporating the licensed technology, demonstrating the pathway from university research to a product in the marketplace.



SIMUVET FROM INNOVATION TO CLINICAL EDUCATION

Founded by Guy Gilbert, SimuVet is a startup developing simulation-based training tools for veterinary and clinical education based off Texas Tech intellectual property. Its products provide standardized, hands-on learning experiences designed to help learners build clinical skills in a safe environment while reducing reliance on live animals and cadavers.

SimuVet exclusively licensed a portfolio of veterinary simulator technologies from Texas Tech, advancing innovations developed through the School of Veterinary Medicine toward broader use in clinical education. Through these technologies, the company aims to make veterinary training safer, more consistent and more accessible.



BLANKSLATE INNOVATION TURNING TEXAS TECH RESEARCH INTO COMMERCIAL OPPORTUNITY

BlankSlate Innovation is a Texas Tech startup focused on developing and commercializing advanced diagnostics, precision instrumentation, and engineering services for fusion energy, natural gas, and other emerging energy sciences. Co-founded by Robert Duncan, Ph.D. and Annette Sobel, M.D. the company draws on a multidisciplinary team of scientists and engineers to advance research, develop innovative technologies and bring new solutions to market.

This year, BlankSlate exclusively licensed two technologies from Texas Tech and optioned two additional technologies developed through Duncan's lab in the Department of Physics and Astronomy. These agreements represent significant steps toward commercializing university-developed innovations and expanding their potential applications across emerging energy industries.

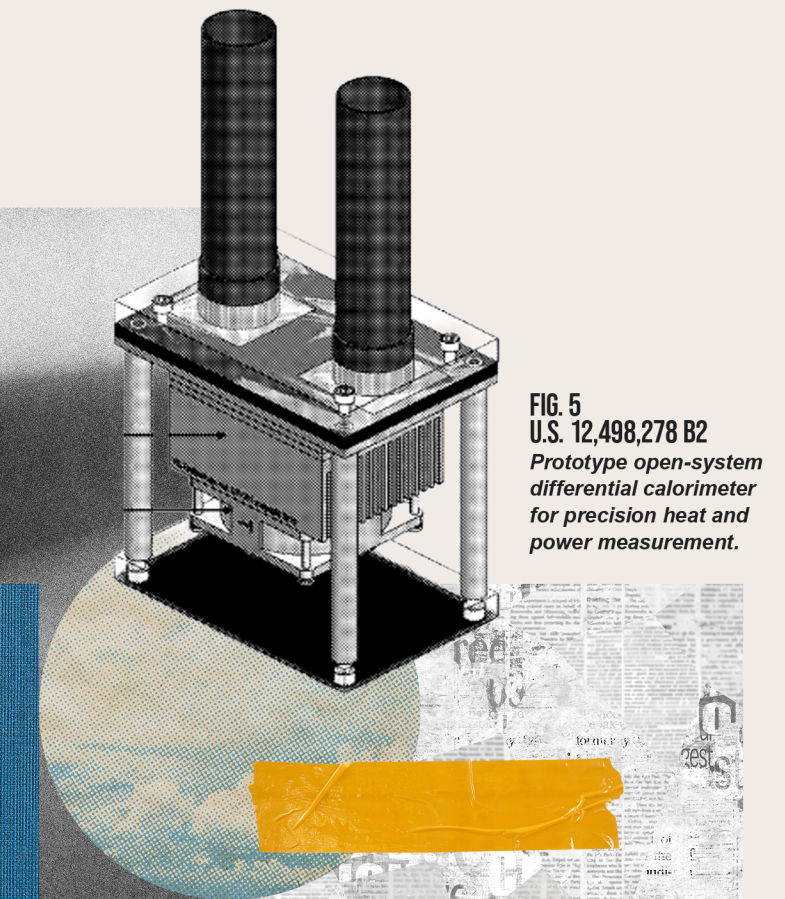


FIG. 5
U.S. 12,498,278 B2
Prototype open-system differential calorimeter for precision heat and power measurement.

A LEGACY OF INNOVATION

For nearly 50 years, Samuel Prien, Ph.D., built a legacy at Texas Tech University and the Texas Tech University Health Sciences Center as an inventor, educator, and mentor.

The most prolific inventor in Texas Tech history, Prien generated more than 50 invention disclosures spanning fertility technologies, non-invasive embryo assessment methods, and advancements in cryopreservation that have helped advance reproductive medicine worldwide. His innovations also include fertility collection technologies currently being commercialized by Reproductive Solutions, Inc. (RSI). His extraordinary record of innovation has earned numerous recognitions, including becoming Texas Tech's first National Academy of Inventors Senior Member in 2018.

Through decades of discovery, mentorship and innovation, his contributions have transformed the field of reproductive medicine and created a lasting legacy that will continue to benefit patients, researchers, and future generations long beyond his retirement.



NATIONAL ACADEMY OF INVENTORS

THIS YEAR, THE TEXAS TECH UNIVERSITY SYSTEM CELEBRATED FIVE OUTSTANDING INVENTORS FROM ACROSS THE TEXAS TECH UNIVERSITY SYSTEM WHO WERE INDUCTED INTO THE NATIONAL ACADEMY OF INVENTORS (NAI). THESE PRESTIGIOUS HONORS RECOGNIZE THEIR GROUNDBREAKING RESEARCH, DEDICATION TO INNOVATION, AND REAL-WORLD IMPACT ACROSS A RANGE OF DISCIPLINES FROM DRUG DISCOVERY AND BIOMEDICAL SCIENCES TO HUMAN HEALTH AND CHEMISTRY.

FELLOWS



C. PATRICK REYNOLDS, M.D., Ph.D.
DIRECTOR, TTUHSC SCHOOL OF MEDICINE
PEDIATRIC CANCER RESEARCH CENTER



JOHN SCHROEDER, Ph.D.
PROFESSOR OF GEOSCIENCES
SENIOR DIRECTOR, NATIONAL WIND INSTITUTE
FOUNDER, TEXAS TECH HURRICANE RESEARCH TEAM

SENIOR MEMBERS

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SENIOR ASSOCIATE DEAN OF GRADUATE SCHOOL OF BIOMEDICAL SCIENCES,
PROFESSOR & CHAIR OF PHARMACEUTICAL SCIENCES, JERRY H. HODGE SCHOOL OF PHARMACY,
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