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Research Newsletter

JUNE 2025

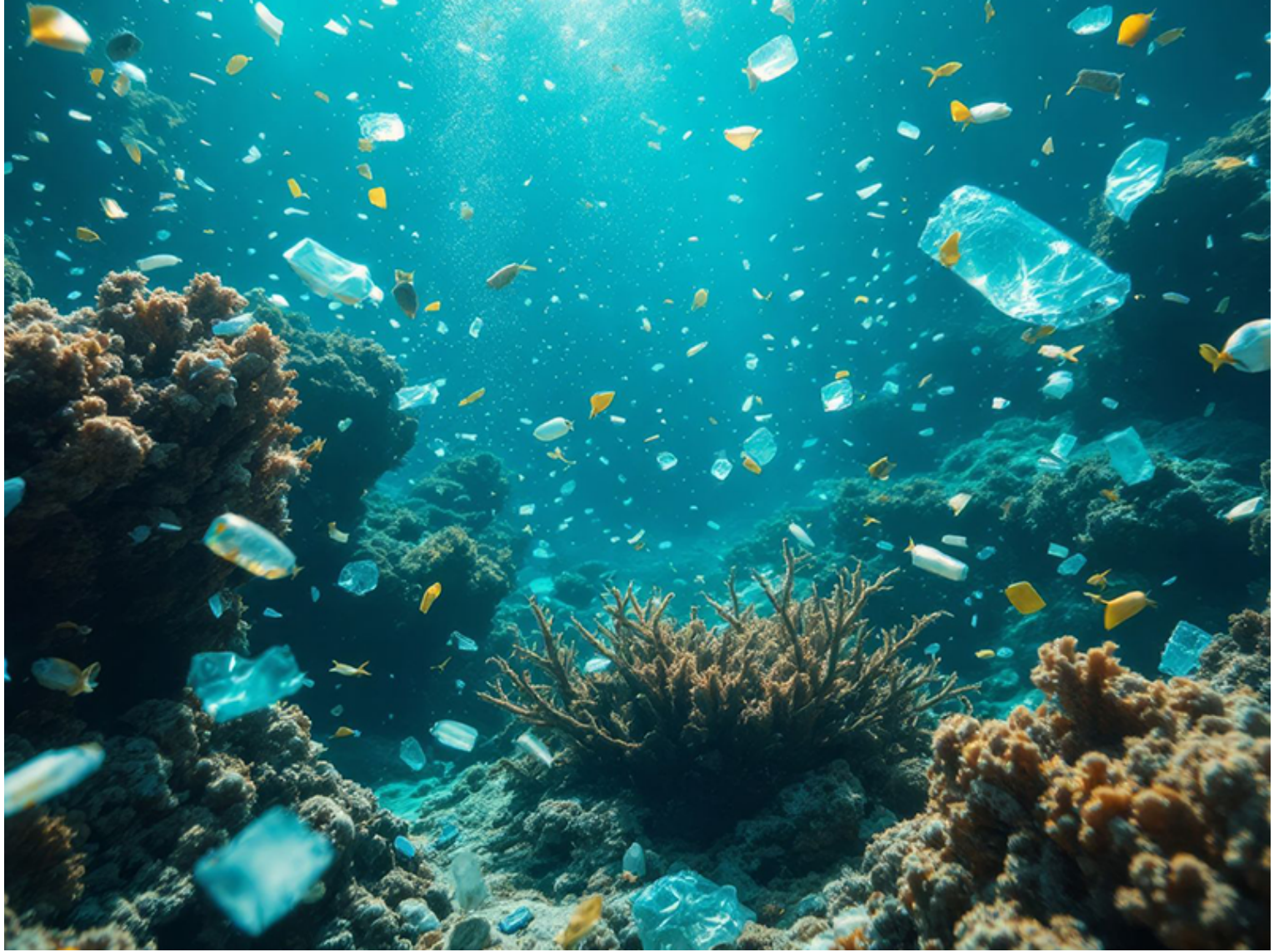
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TOP NEWS



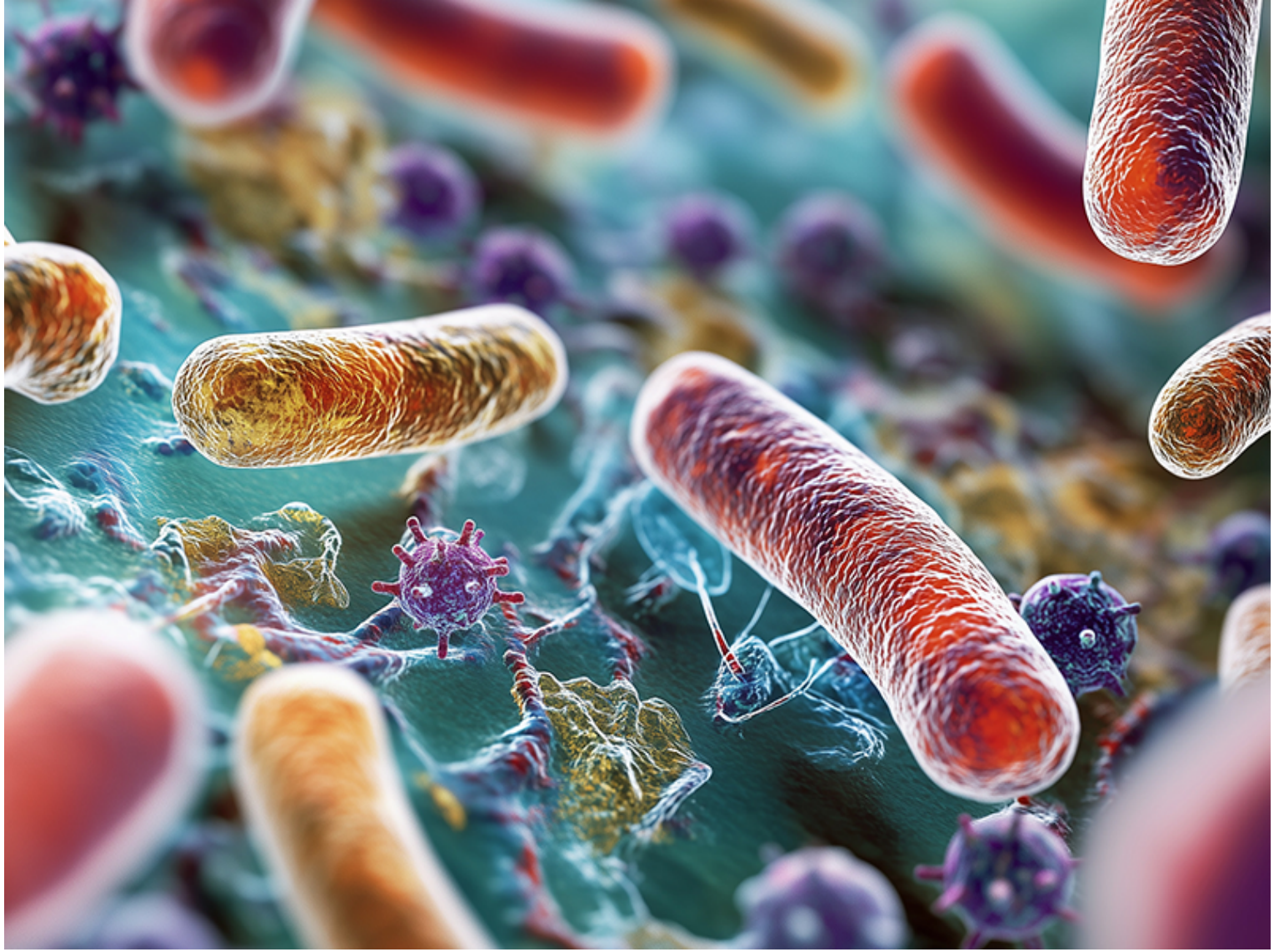
UTA Researchers Pioneer New Heart Testing Method

Michael Nelson and his research team developed negative-pressure pants to simulate gravity during MRI heart stress tests. This patent-pending [technology](#) offers a more accurate way to detect heart disease by revealing true heart function under stress. [Read more](#)



Microplastics are infiltrating our drinking water

Recently published research in the peer-reviewed journal [Science of the Total Environment](#), UTA researchers share the potential health and environmental hazards from microplastics filtered into our drinking water. [Read more](#)



Studying how bacteria grow to fight infections

Dr. Cara Boutte's research at UTA explores bacterial cell wall growth, particularly "polar growth," to understand how bacteria spread. This could lead to targeted, more effective antibiotics, especially against drug-resistant infections like tuberculosis. [Read more](#)

UTA EXPERTS IN THE NEWS

Museum specimens offer a new lens on pollution history

[The Print](#), [Bioengineer.org](#), [Earth.com](#), [Phys.org](#)

Stress genes clear dead cells, offering disease insights

[MedicalXpress.com](#), [Scienmag.com](#), [Biocompare.com](#), [Technology Networks](#), [News Medical](#), [Archyde.com](#)

Can social media predict teen health risks?

[MSN.com](#), [LifeTechnology.com](#), [Medical Xpress](#), [Scienmag.com](#), [Raw News](#), [Robins Post](#)

Thinking peers drink more drives risky behavior

[Neuroscience News](#), [MedicalXpress](#), [Science Daily](#), [Scienmag.com](#), [Earth.com](#), [Mirage News](#)

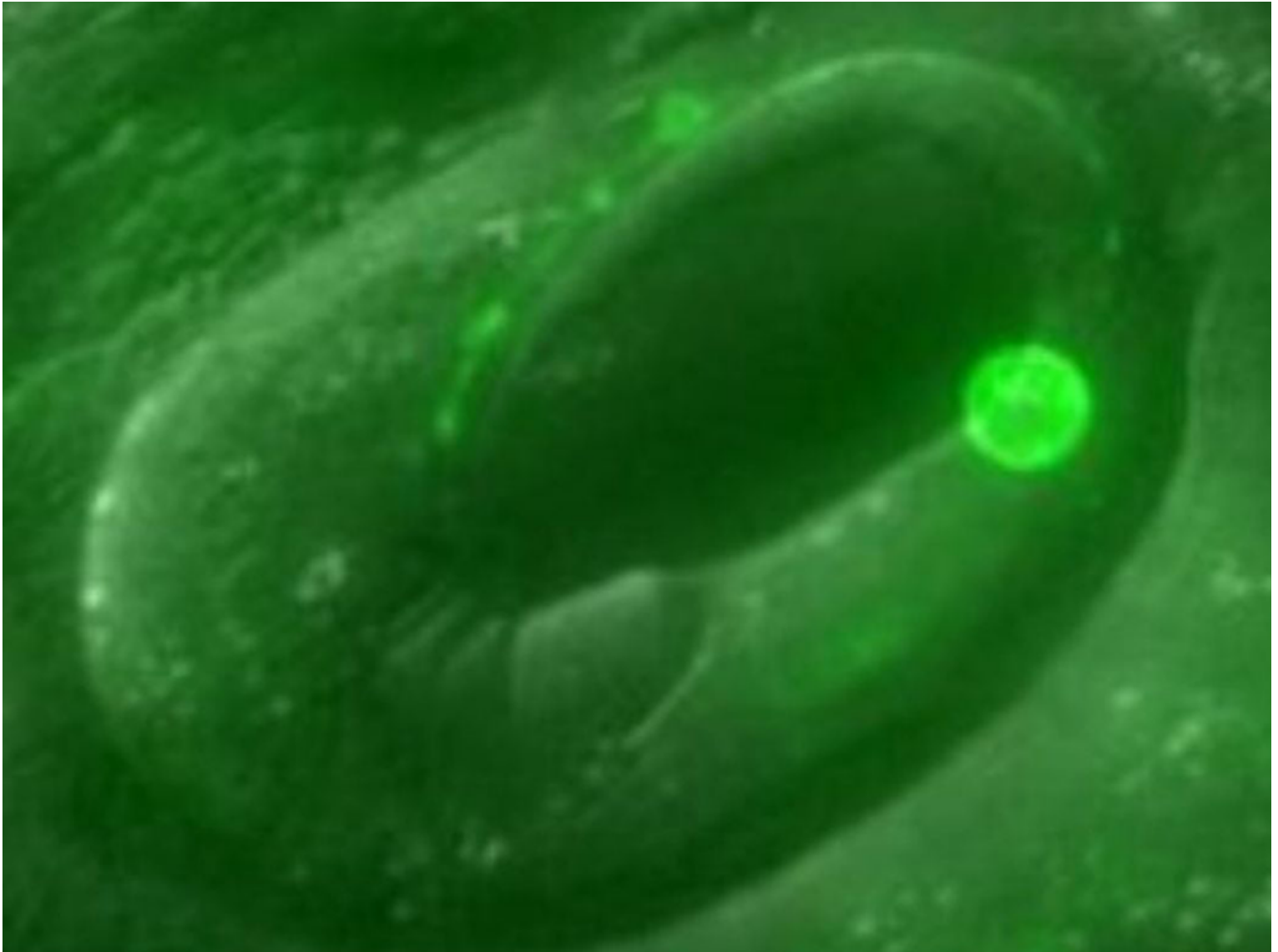
UTA researchers pioneer new heart testing method

[Medical Xpress](#), [Hospimedica.com](#), [Gene Online](#), [MSN.com](#), [DotMed.com](#)

UTA ATLAS team shares breakthrough prize in physics

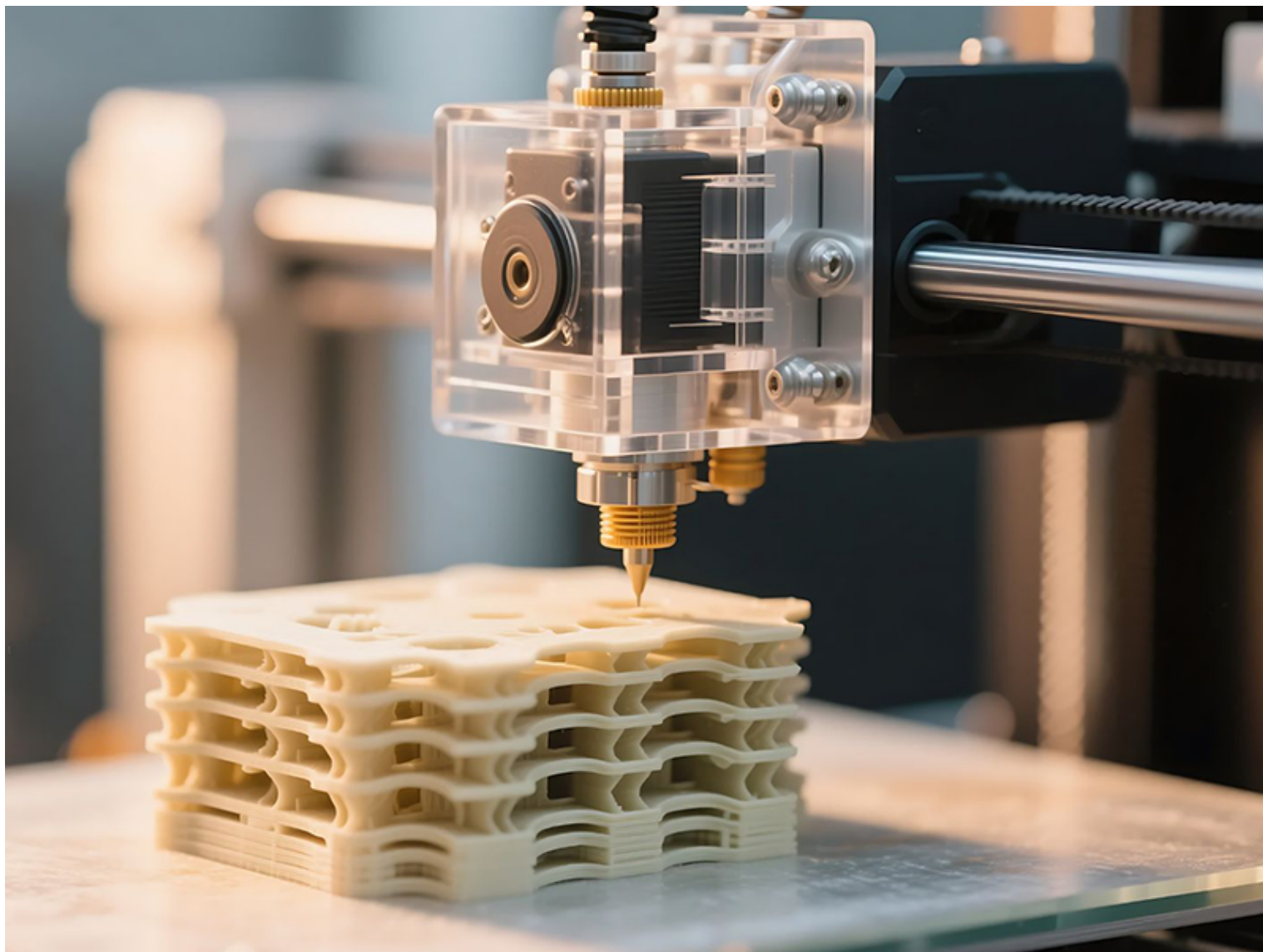
[Quantum Zeitgeist](#), [Scienmag.com](#)

[VIEW ADDITIONAL
NEWS COVERAGE](#)



Stress genes clear dead cells, offering disease insights

A [new study](#) from UTA details a novel strategy for how the body clears out dead cells during stress, revealing unexpected roles for well-known stress-response genes—a discovery that could help scientists better understand diseases affecting the immune system, brain and metabolism. [Read more](#)



Harnessing nature's design to build tougher materials

Dr. Lin is developing damage-tolerant composite materials using 3D printing and designs inspired by bamboo and conch shells. This research aims to create stronger, safer materials for aerospace, automotive, and protective equipment applications. [Read more](#)



Improving PSA Messaging to Protect Against Online Scams

UTA researchers investigate "inoculation messaging" to protect individuals from online romance scams. By exposing people to mild scam tactics, researchers aim to build resistance, leading to more effective public awareness campaigns and digital safety training. [Read more](#)



Student researchers put UTA on national stage

UTA undergraduates are making strides in research, presenting findings at national conferences. Debby Sunday earned an award for her biochemistry work, highlighting UTA's commitment to experiential learning and fostering future professionals. [Read more](#)



'The first wave went through hell'

Oral historian Joseph Carpenter's research examines the 16th Infantry Regiment's brutal D-Day assault on Omaha Beach. This historical initiative utilizes oral histories to detail the pivotal fight, revealing the courage that secured a crucial foothold for Allies. [Read more](#)

READ MORE UTA
NEWS STORIES

EVENTS COMING UP

MONDAY, JUNE 23, 6 P.M.

Networking: Professional Presence on Social Media

FRIDAY, AUG 22, 7:05 P.M.

UTA Night at the Rangers

SEE MORE
EVENTS



Office of Vice President for Research and Innovation

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