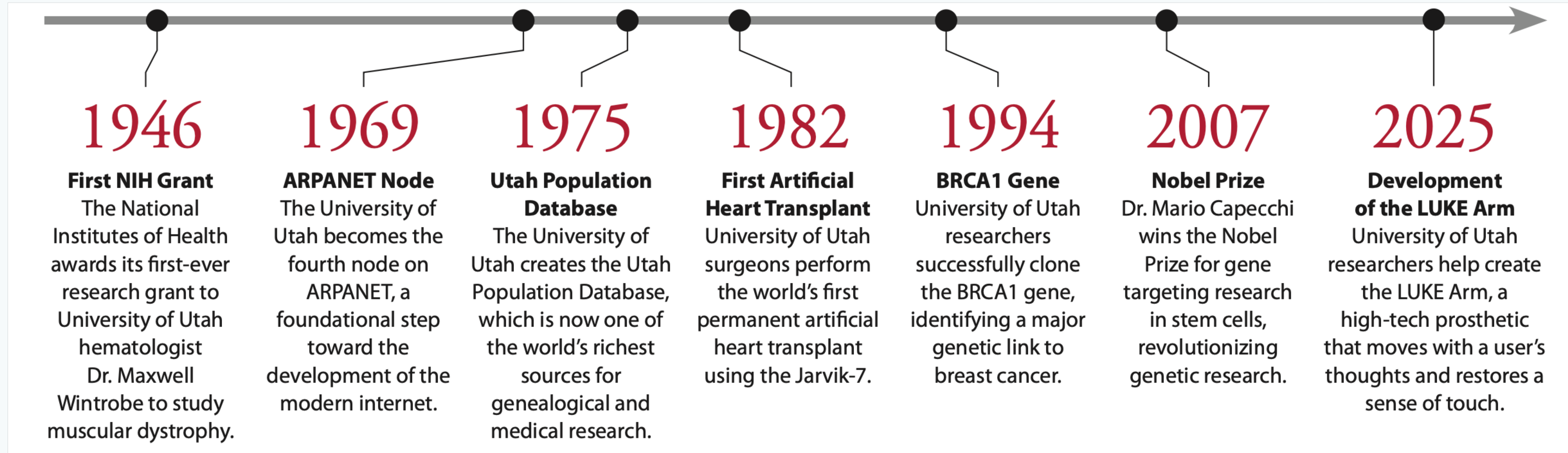




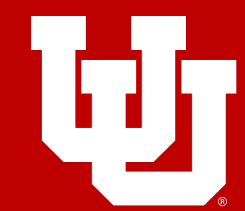
INL Digital Engineering Conference
Taylor Randall
President, University of Utah
Wednesday, May 13, 2026

HISTORY OF U RESEARCH

SELECT RESEARCH ACCOMPLISHMENTS



Source: University of Utah, Kem C. Gardner Policy Institute



DIGITAL PIONEERS

- U's history of digital innovation
 - The 4th Node of ARPANET
 - Evans & Sutherland Lab
- Transformed U's status & expertise in visualization, networking, and computing
 - Ed Catmull > Pixar
 - John Warnock > Adobe
 - Alan Kay > Object-oriented programming
- **Scientific Computing & Imaging (SCI) Institute** leading today's digital innovation



Ivan Sutherland and David C. Evans – “Camelot Era” 1960s

LEGACY OF EVANS & SUTHERLAND



EVANS & SUTHERLAND

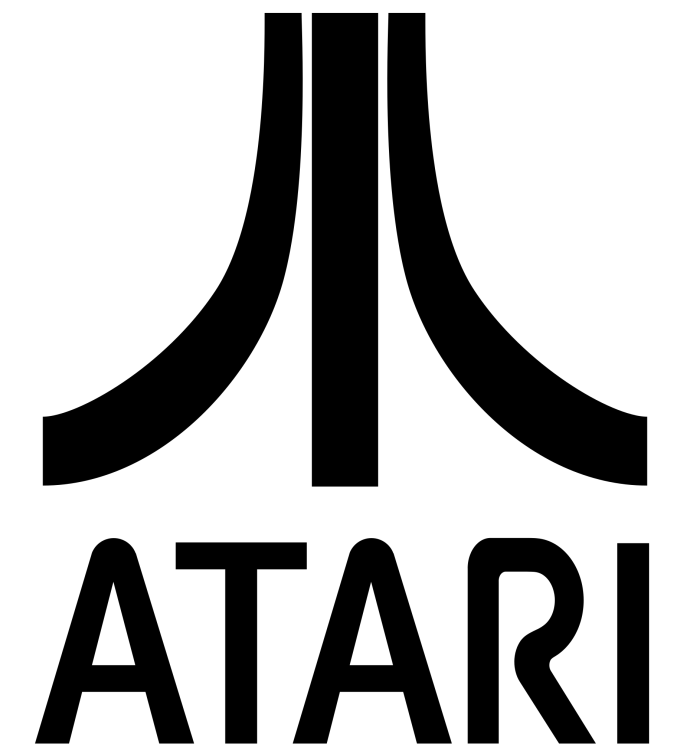



SiliconGraphics
Computer Systems

WordPerfect
CORPORATION



Adobe



P  X A R

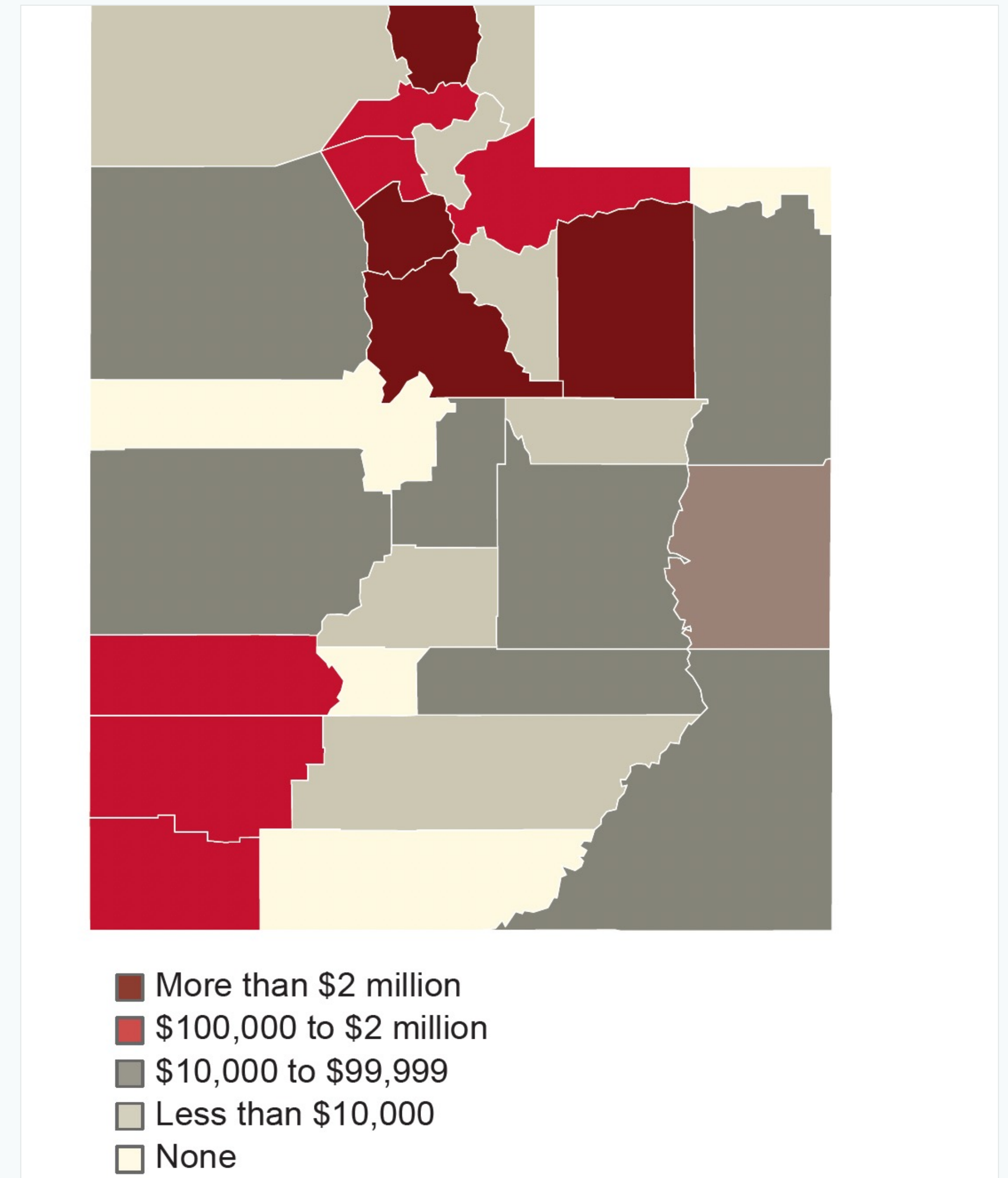


Netscape

**BUILDING ON LEGACY
LEADING TODAY**

LEADING IN RESEARCH

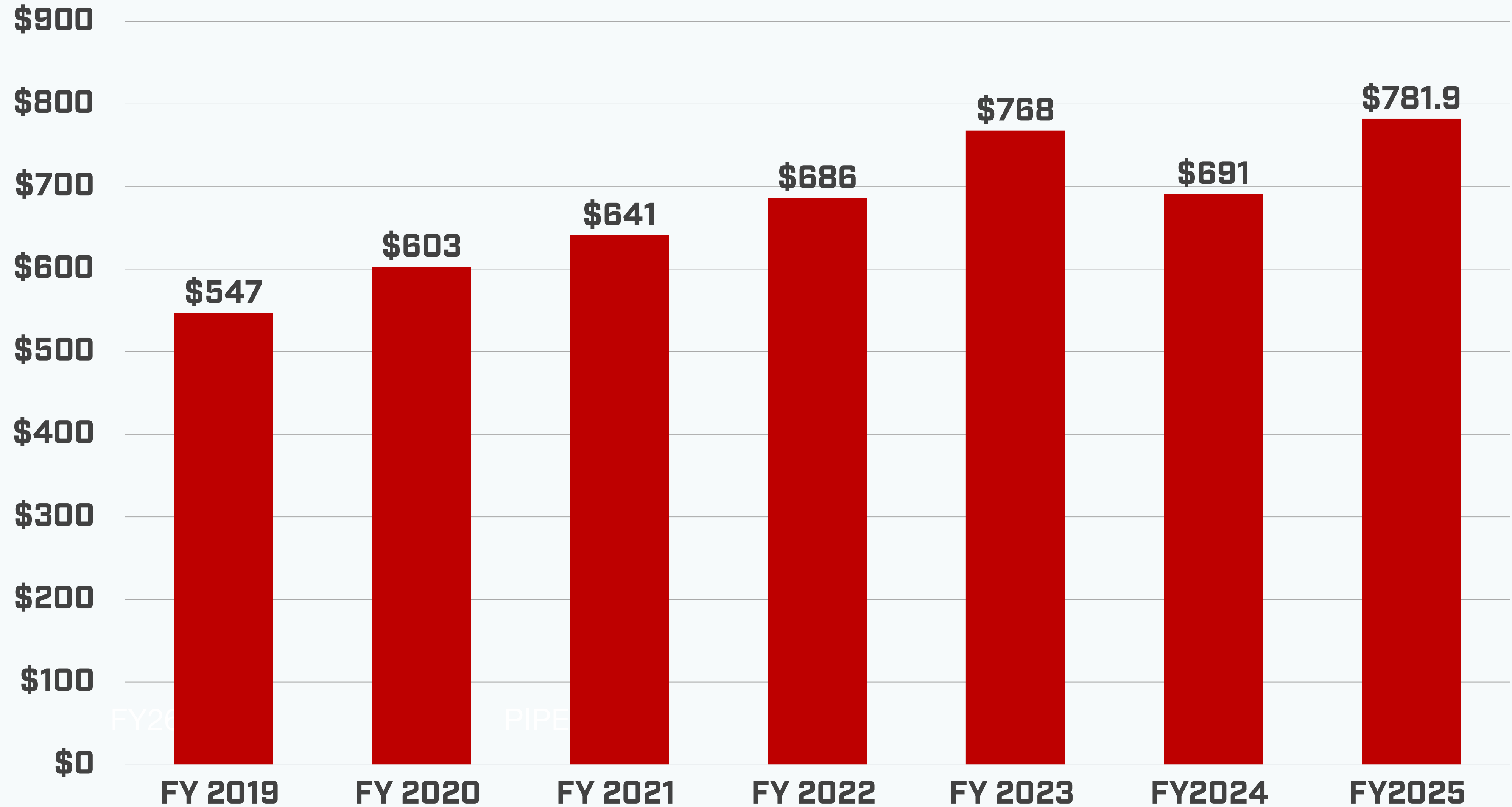
- **Research Spending:** The U's research expenditures across the state totaled \$734 million in FY2025, the most of any year on record
- **Statewide Reach:** U research funding supports activity in 25 of Utah's 29 counties
- **National Ranking:** The U ranks among the nation's top 50 research universities for research and development spending



University of Utah Vendor and Subaward Research Expenditures to Utah Counties, FY2024.

FUNDING AWARDS

Millions



Source: University of Utah: Office of the Vice President for Research



ROBUST & COMPETITIVE

FY2025 RESEARCH AT SCALE

3,696

PROPOSALS

2,577

AWARDS

\$782M

FUNDING

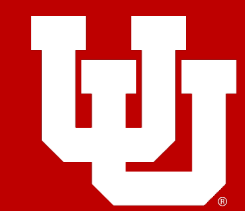
\$3.27B

RESEARCH ACTIVITY

This robust research base is what enables both groundbreaking discovery and applied, use-inspired research that serves the state.

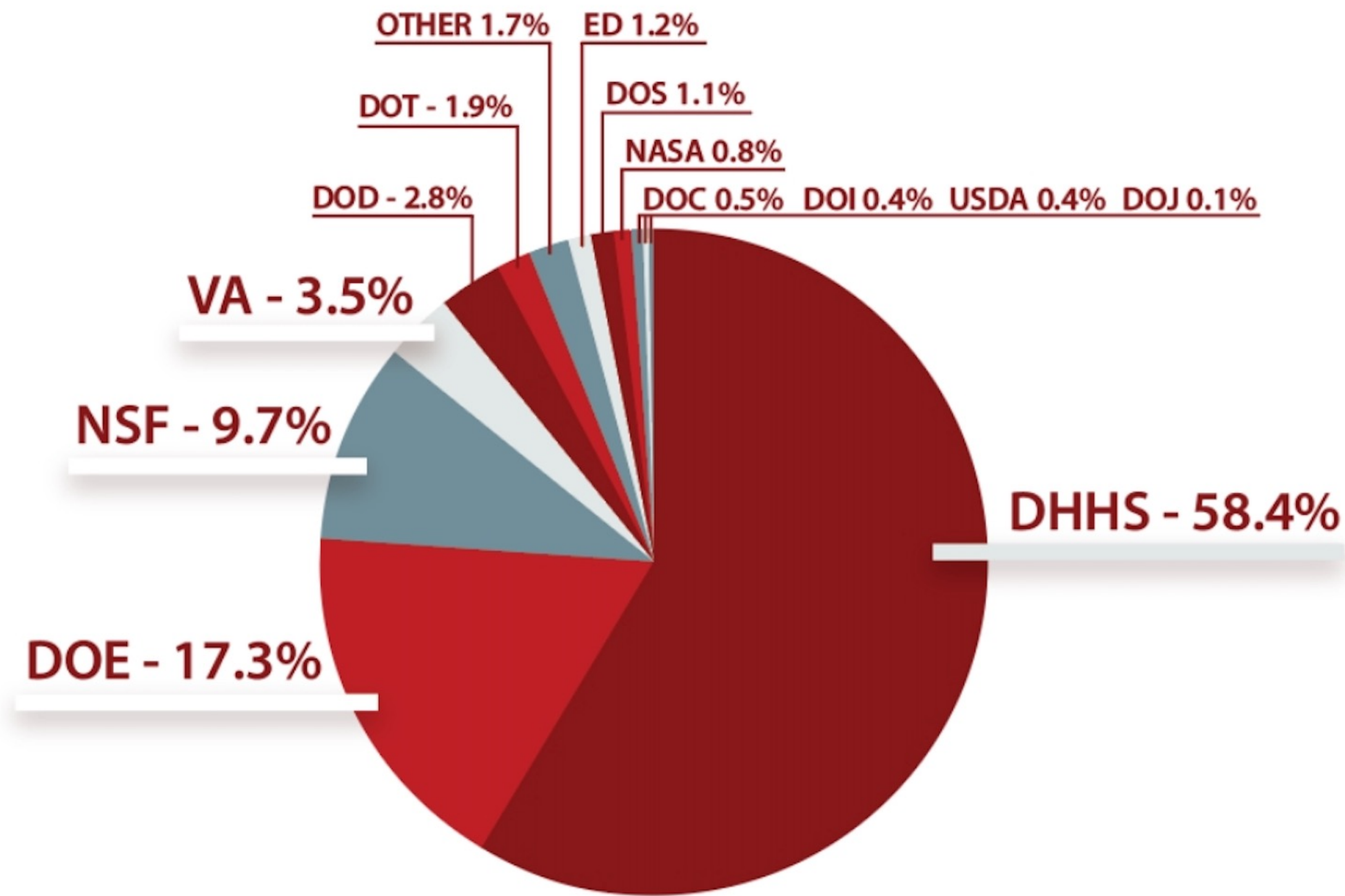


In 2025 Luke Arm in clinical trials to test day-to-day use.

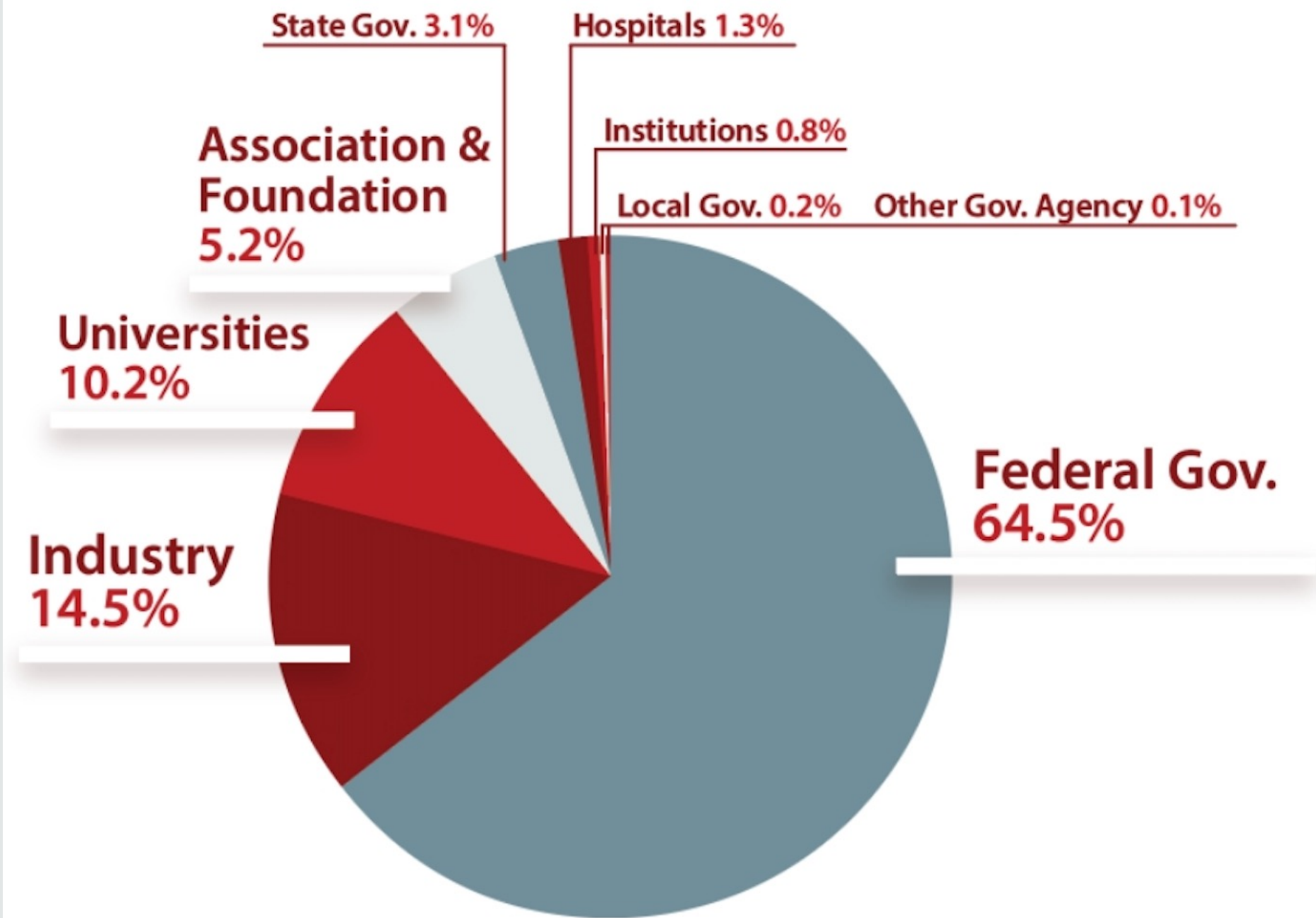


FUNDING SOURCES

FEDERAL SPONSORS



ALL SPONSORS



In FY25, the University of Utah received \$781.9 million in research funding, support that spans health, technology, and society, touching every corner of discovery.

Source: University of Utah: Office of the Vice President for Research



DISCOVERY TO IMPACT

FY25 INVENTIONS

542

FY26 STARTUPS

LAUNCHED

9

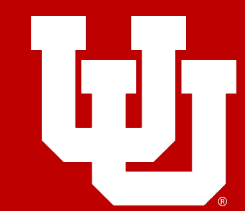
IN PIPELINE

31

Source: University of Utah: Office of the Vice President for Research



Dr. Wes Sundquist's revolutionary therapeutic Lenacapavir was featured on TIME's Best Inventions of 2025 list.



OUR SPUTNIK MOMENT

UNIVERSITIES MUST RESPOND

- Tracking 74 **critical technologies**
- **China leads high-impact research in 69 of 74 technologies**, with significant implications for national security
- Top-tier R1 universities **need to be responsive and innovative**
- **Collaborating** with National Labs and federal partners is essential

Source: Australian Strategic Policy Institute: techtracker.aspi.org.au



2024 ASPI's two-decade Critical Technology Tracker:
The rewards of long-term research investment.

**LEVERAGING EXPERTISE
LEADING THE FUTURE**

RESPONSIBLE AI INITIATIVE



- **\$100M investment, launched in 2024** in areas: Health Care & Wellness, Environment and Teaching & Learning
- Led by **Scientific Computing and Imaging (SCI) Institute**
- **To advance AI to achieve societal good** all while protecting privacy, civil rights, and civil liberties, and promoting fairness, accountability, and transparency

A community-led group working across sectors to advance AI responsibly.

HPE-NVIDIA AI ECOSYSTEM

- **\$50M**, 5-year shared investment
- State-of-the-art AI computing and data cyberinfrastructure, **3.5x compute power**
- **Advances Utah's position** as a national AI research and innovation leader
- **Faster translation of discoveries** to the public

UTAH AI INNOVATION ECOSYSTEM:
Driving economic growth & prosperity

A public/private partnership between the State of Utah, the University of Utah, the Huntsman Family Foundation and NVIDIA & Hewlett Packard Enterprise (HPE) to accelerate innovation, attract talent and expertise from around the world, and engage industry and community to build a prosperous future for Utah.

\$50M
5-YEAR SHARED INVESTMENT

\$50 MILLION, 5-YEAR SHARED INVESTMENT

- State-of-the-art AI computing and data cyberinfrastructure, along with support services and expertise
- Advances Utah's position as a national AI research and innovation leader
- Enables AI-enabled discovery, student training, workforce development, and entrepreneurship
- Faster translation of discoveries to the public
- Statewide AI working group to reach all Utahns
- Partnerships with industry

CONVERGENCE OF GOVERNMENT LEADERSHIP, ACADEMIC STRENGTHS, AND INDUSTRY MOMENTUM

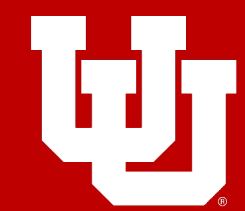
- Utah Office of Artificial Intelligence Policy
- Statewide MOU with NVIDIA
- University of Utah Top 500 universities globally in AI-focused research
- One-U Responsible AI Initiative
- ChatGPT EDU, a university-centered generative AI tool for campus
- Trace AI, a university startup company, developed AI-powered tool to forecast wildfire smoke
- Utah Population Database and other unique data assets

ChatGPT EDU
UNIVERSITY-CENTERED AI TOOL

TOP 500
UNIVERSITIES IN AI-FOCUSED RESEARCH

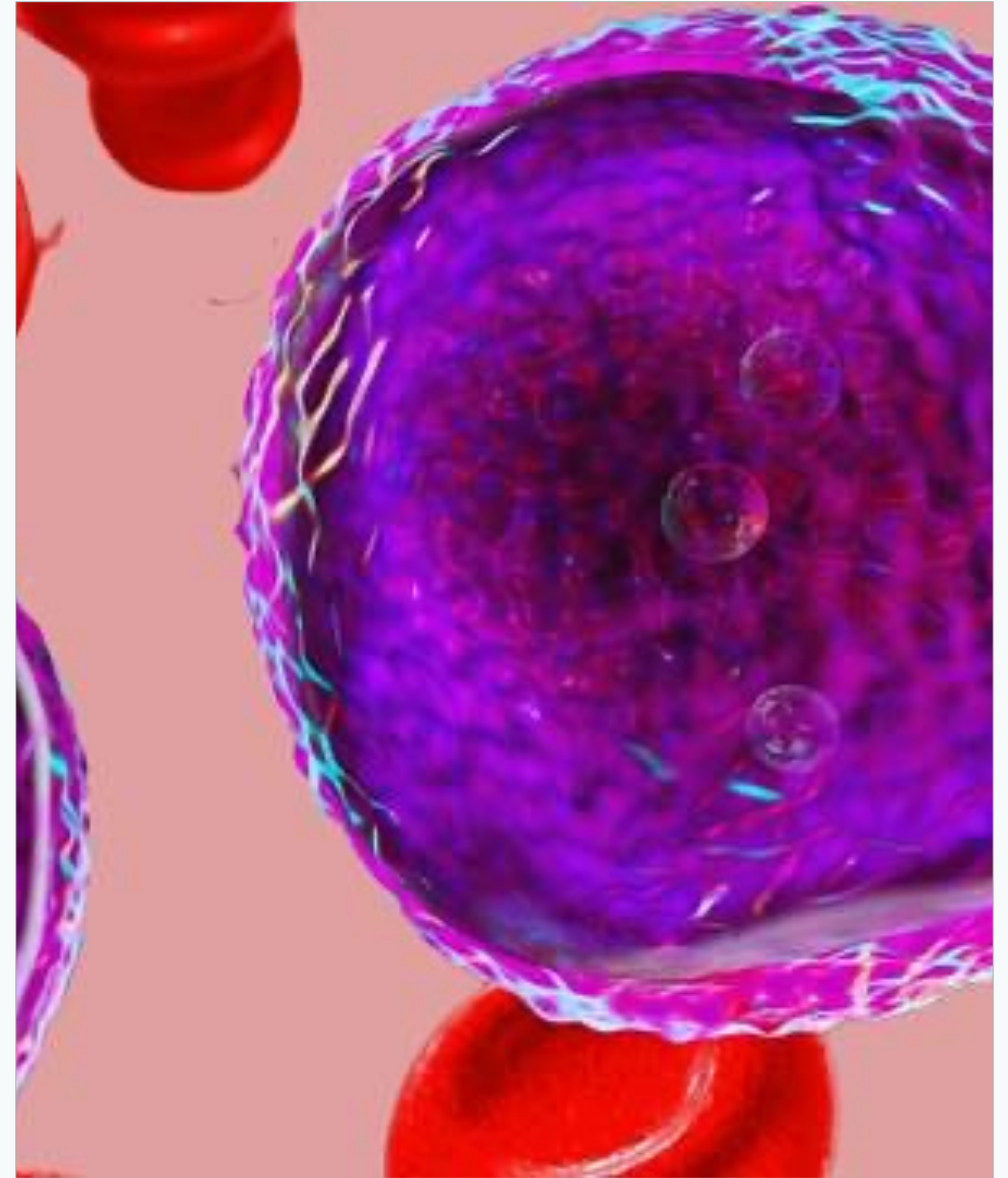
Logos at the bottom: Utah State Government, The University of Utah, Huntsman Family Foundation, Hewlett Packard Enterprise, NVIDIA.

Statewide AI working group to reach all Utahns and partnerships with industry.



UTAH HEALTH AI VAULT (UHAIV)

- **\$33M+** state investment in AI, advanced computing, and health research
- Positions Utah and **Huntsman Cancer Institute** as a national leader in AI-enabled health innovation
- Modernizing the **Utah Population Database**, enabling secure, large-scale AI-driven health discovery



Researchers at Huntsman Cancer Institute are using AI to rapidly predict cancer cell sensitivity to targeted therapies.

CRITICAL MINERALS

- Utah legislative priority SB 254 creating the **Critical Minerals Council** and the **MINES Center**
- U's response is proposed **Institute for Critical and Strategic Minerals**
- And recent 3-yr MOU with **National Laboratory of the Rockies**
- **Strengthening research** in critical minerals to AI-driven science and high-performance computing



May 4, 2026, MOU will will bolster energy security by strengthening supply chains.

UTAH'S INNOVATION ENGINE

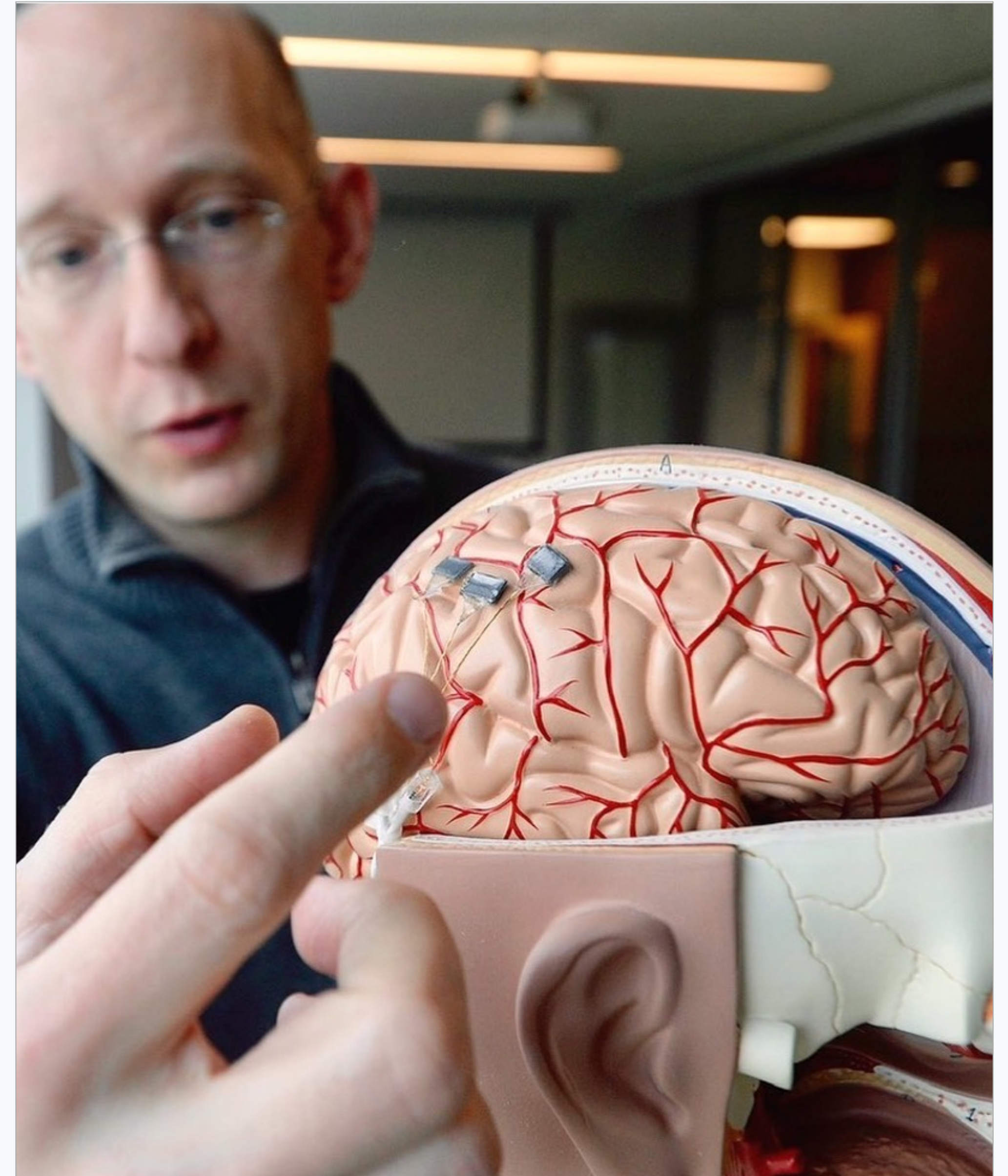
#1

in the nation for innovation capacity & outcomes

#2

nationally in likelihood of producing a unicorn startup

Source: University of Utah: Office of the Vice President for Research



Blackrock Neurotech brain-computer interface technology received the FDA's coveted "Breakthrough Device" designation.



THANK YOU