

**HOW VENTURE CAPITAL CAN ACCELERATE
MILITARY MEDICAL INNOVATION**

FROM BATTLEFIELD NEED TO PATIENT IMPACT

Kimberly A. Muller, M.Sc., J.D.

*Vice Chancellor for
Innovation & Partnerships*

*MHSRS Venture Capital Session
August 2026*



Innovations



HISTORY

FITZSIMONS ARMY HOSPITAL

In 1941, the iconic art deco Building 500 was the largest structure in Colorado and the largest single hospital structure ever built by the U.S. Army.

Today, our campus serves as home to the largest medical center in the state and the Denver metro area



Aurora History Museum Collections

A PREMIER ACADEMIC MEDICAL CENTER

The Medical Campus	Clinical	University of Colorado Anschutz	\$12B+ REVENUE \$910M ANNUAL RESEARCH GRANT FUNDING (\$122M Industry)
 Anschutz  Children's Hospital Colorado  uchealth  VA  fitzsimons Innovation Community 6,000+ faculty clinicians and researchers Four dedicated pediatrics campuses 15 hospital system 1.2M sq. ft. hospital 80 incubated companies	2 of the Top hospitals in the nation (UCHealth & Children's Hospital Colorado) 1,870 hospital beds 3.9M patient visits per year 28 affiliated hospitals & locations 9 state catchment area	10 departments ranked in Top 15 NIH Funding 778K square feet of laboratories 4,500+ degree-seeking future health professionals	

CU ANSCHUTZ INNOVATIONS MISSION

*Making the Future of
Healthcare Happen Today.*

*Advancing Discoveries for
the Military & All of Healthcare.*

01

Accelerating life-changing discoveries

02

Empowering faculty innovation

03

Amplifying patient impact

CU ANSCHUTZ VENTURE TRACK RECORD

A NATIONAL INNOVATION ENGINE WITH PROVEN SCALE

Our venture investments have a proven track record of translating ideas to impact.

\$20B

healthcare spend
influenced

150M

patients
impacted

\$3.73B+

U.S. economic
impact in 2023

33

Startup companies

\$2B+

raised by
portfolio companies

\$100M+

raised across
two venture funds

CU ANSCHUTZ BRINGS THE RARE COMBINATION MHSRS CARES ABOUT:

operationally relevant clinical problems | deep research | startup formation | investment capital | proven pathways to adoption

Nature Index Innovation, 2022

Leading Academic
Institutions



Top 5 Innovation Hub

REACH/National Institute of Health (NIH)



Top 20 Technology Transfer Worldwide

Technology Transfer Office (TTO)



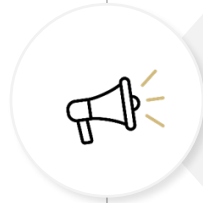
Top Innovation Program

CARE Innovation Center | *Becker's Hospital Review*, 2017



Top 20

Children's Hospitals in Innovation & Technology | *Parents*, 2018



+2,400 National Publications

CU Anschutz Innovations Activities

INNOVATION PATHWAY

A SIX-STEP PROCESS TO TRANSLATE DISCOVERY TO DEPLOYMENT

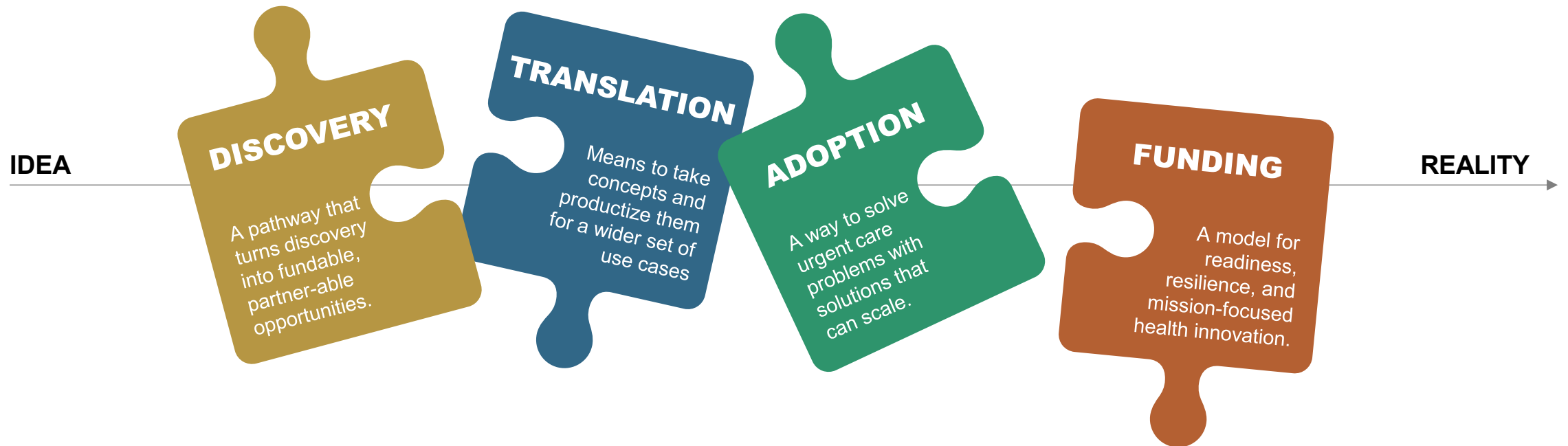
A repeatable pathway for moving academic ideas toward operational relevance.



CHALLENGE

THE PROBLEM IS NOT INVENTION ITS TRANSLATION AND ADOPTION

The science to save many battlefield lives already exists. It dies in the gap between the lab and the field.



BREAKTHROUGHS DON'T SAVE LIVES UNTIL THEY ARE ADOPTED, SCALED & DEPLOYED

UCHEALTH + CU ANSCHUTZ

THE CARE INNOVATION CENTER

The last mile: technologies proven with real clinicians at the point of care.

700+
companies
vetted

A rigorous national
pipeline for digital-health
innovation.

50+
partners

Signed partnerships
and co-developments,
validated in real
clinical workflows.

\$500M
in portfolio
value

Value created across
the CU and UCHealth
innovation portfolio.



**IDEAS VETTED & TESTED AT ANSCHUTZ:
VALIDATED AND TESTED ACROSS 15-HOSPITAL 100+ CLINIC SYSTEM**

VENTURE MODEL

MORE THAN CAPITAL: A DISCIPLINED PROCESS FOR TURNING IDEAS INTO IMPACT

The value is focus, milestones, accountability, and speed under uncertainty.



Problem-first

Start with the mission need or clinical problem, not the technology.



Evidence-driven

Ask what proof would change the next decision.



Milestone-based

Stage activity around risk reduction and practical next steps.



Partner-informed

Bring the downstream user, buyer, or implementation partner into the conversation early.



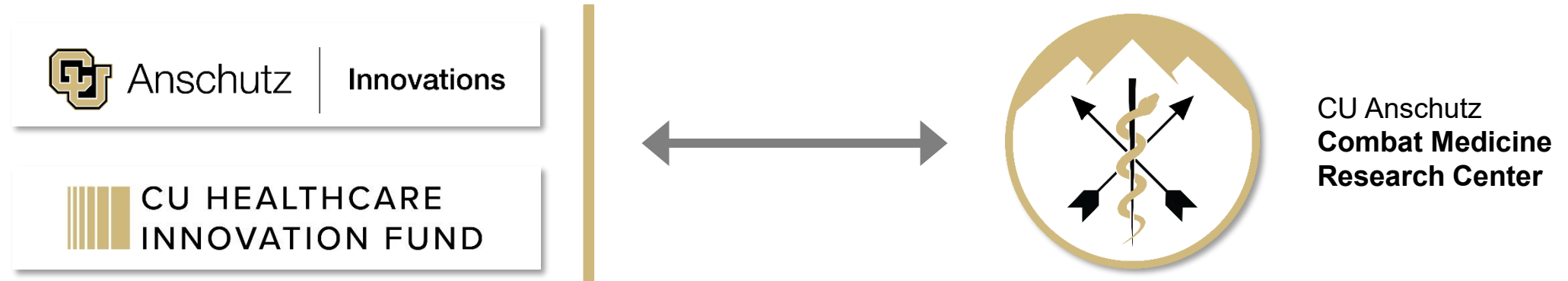
Vehicle-flexible

Choose the pathway that fits the opportunity — not every idea needs the same route.

HOW WE DO IT

A TWO-WAY ENGINE FOR INNOVATION

The Combat Medicine Research Center and CU Anschutz share one pipeline—each discovery on one side accelerates the other.



EVERY ADVANCE STRENGTHENS BOTH CIVILIAN CARE AND MILITARY READINESS

ABOUT: CU ANSCHUTZ COMBAT MEDICINE RESEARCH CENTER

**WE TURN MILITARY MEDICAL GAINS
INTO BETTER HEALTHCARE FOR ALL.**



WHAT WE DO

MILITARY MEDICINE BENEFITING CIVILIAN CARE



- ➔ Tourniquets
- ➔ Blood transfusions
- ➔ Advanced Burn Care
- ➔ Suicide and PTSD
- ➔ Infectious Diseases
- ➔ Prehospital Care



RESEARCH IN ACTION

INDUSTRY PARTNERS CO-DEVELOPING SOLUTIONS FOR THE WARFIGHTER

FEATURE

Octapharma

Evaluating a first-line therapy for life-threatening hemorrhage, the leading cause of preventable battlefield death.

Rajant Health

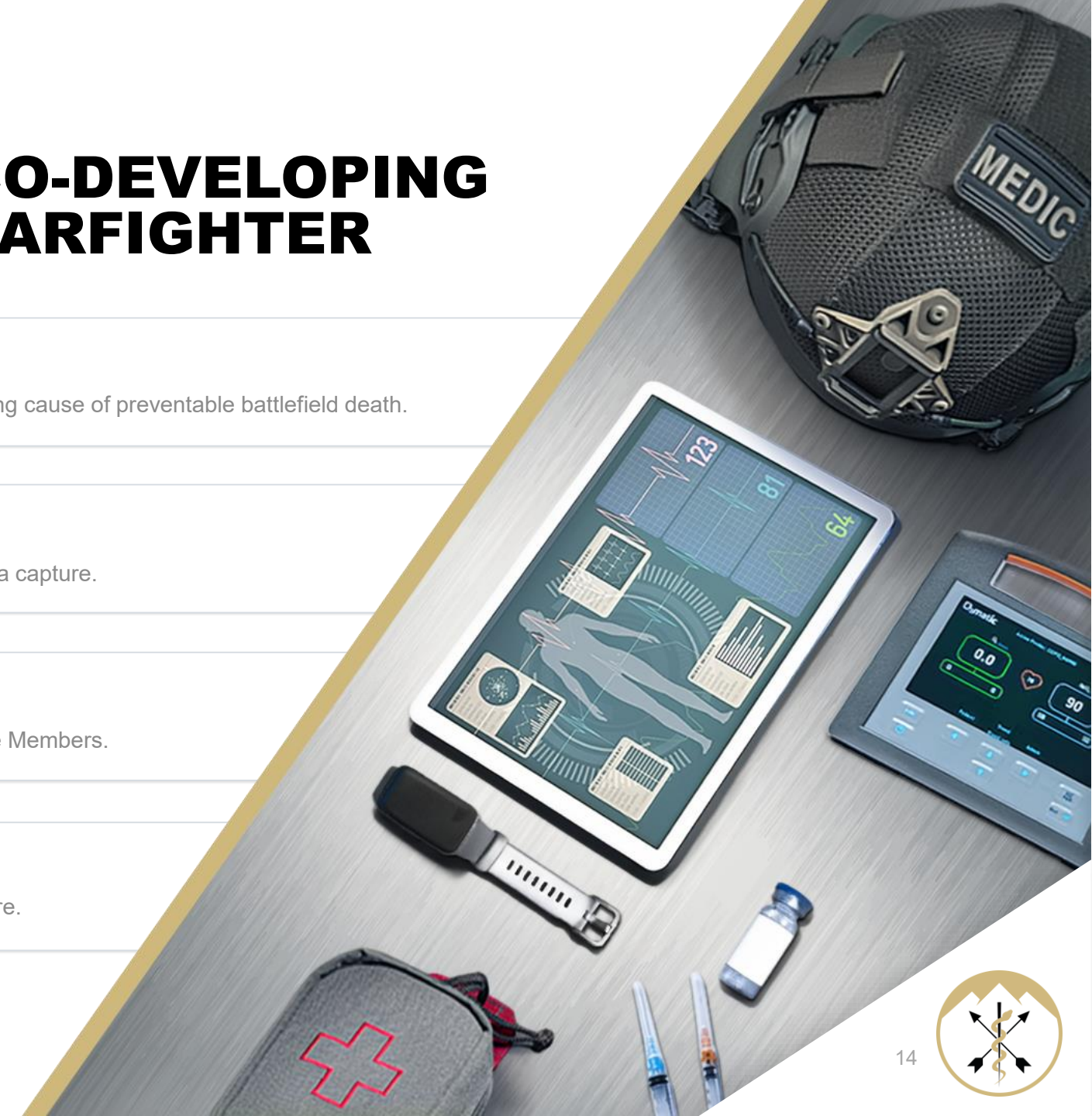
Advanced sensor technology for real-time physiologic research and data capture.

GRIT Digital Health

A digital mental-health platform expanding treatment options for Service Members.

O2matic

Autonomous oxygen delivery for prehospital and prolonged casualty care.



RESEARCH IN ACTION

FIRST-LINE TREATMENT FOR LIFE-THREATENING HEMORRHAGE ON THE BATTLEFIELD

octapharma

\$29M Investment in Trauma Research

CU Anschutz secured a landmark \$29 million award from Octapharma to lead the EFFECT Trial—one of the largest clinical studies in campus history

Potential to Transform National Trauma Care

The trial evaluates whether early fibrinogen replacement can improve survival, generating evidence that could inform future trauma care standards in both civilian and military settings.

CU Anschutz Leads Collaborative Clinical Study

A nationwide effort being coordinated brings together leading trauma centers, researchers, clinicians, and industry partners to advance precision trauma care and drive practice-changing research.





IN CLOSING

THE BRIDGE WORTH BUILDING

The opportunity is to create a translation bridge between academic discovery and military health impact.

- ➔ Start with the mission problem.
- ➔ Build the pathway.
- ➔ Bring the right partners.
- ➔ Execute with discipline.
- ➔ Combat medicine.



THANK YOU!

We welcome military leaders to visit us at
CU Anschutz to continue the conversation.

Let's talk.

SEE INNOVATION IN ACTION:
cuanschutz.edu/innovations

