



FLORIDA ATLANTIC UNIVERSITY
Board of Trustees

Item: AS: I-2

COMMITTEE ON ACADEMIC AND STUDENT AFFAIRS

Tuesday, February 17, 2026

SUBJECT: REPORT ON RESEARCH

PROPOSED COMMITTEE ACTION

No action is necessary. This item is only informational.

BACKGROUND INFORMATION

Dr. Gregg Fields, Vice President for Research, will give a general update on the Division of Research.

IMPLEMENTATION PLAN/DATE

N/A

FISCAL IMPLICATIONS

N/A

Supporting Documentation: PowerPoint Presentation

Presented by: Dr. Gregg Fields, Interim VP for Research

Phone: 561-297-0268



Division of Research

Gregg B. Fields, Ph.D.

VICE PRESIDENT FOR RESEARCH

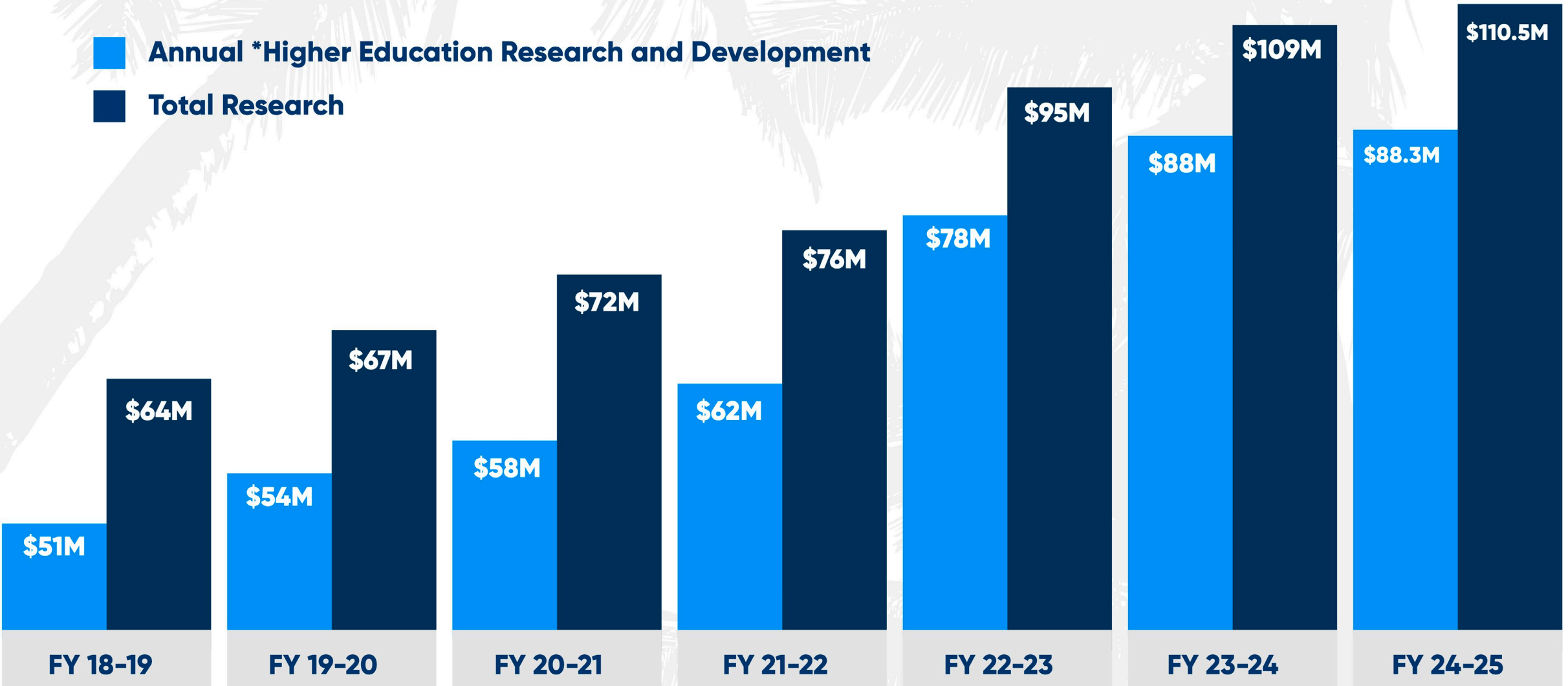
FLORIDA ATLANTIC UNIVERSITY

Research Expenditures

ANNUAL HERD* AND TOTAL RESEARCH NUMBERS



- Annual *Higher Education Research and Development
- Total Research



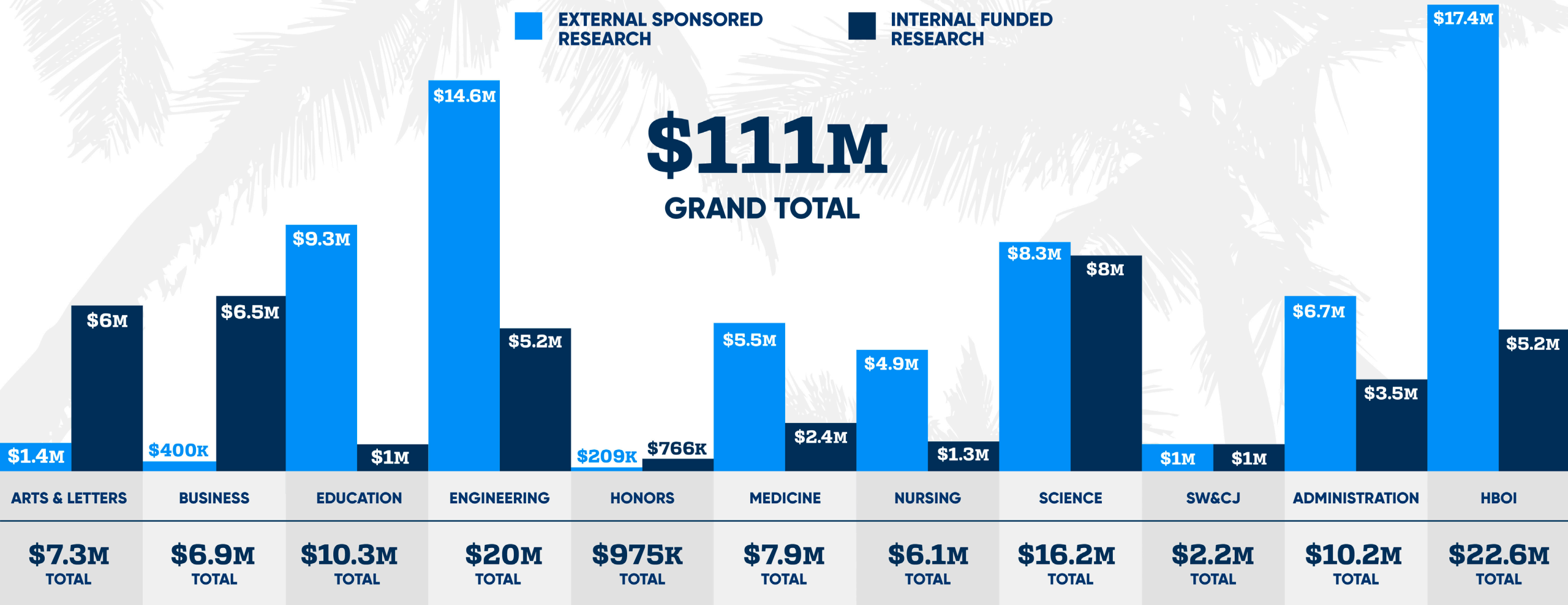
External & Internal Research Expenditures



EXTERNAL SPONSORED RESEARCH

INTERNAL FUNDED RESEARCH

\$111M
GRAND TOTAL



I-SENSE
\$5.1M
ENGINEERING

SNBI
\$2.1M
MEDICINE

I-HEALTH
\$264K **\$415K**
NURSING SCIENCE

NOTE: Total Rounded



Achieved R1 Status

Carnegie Classification of Institutions of Higher Education

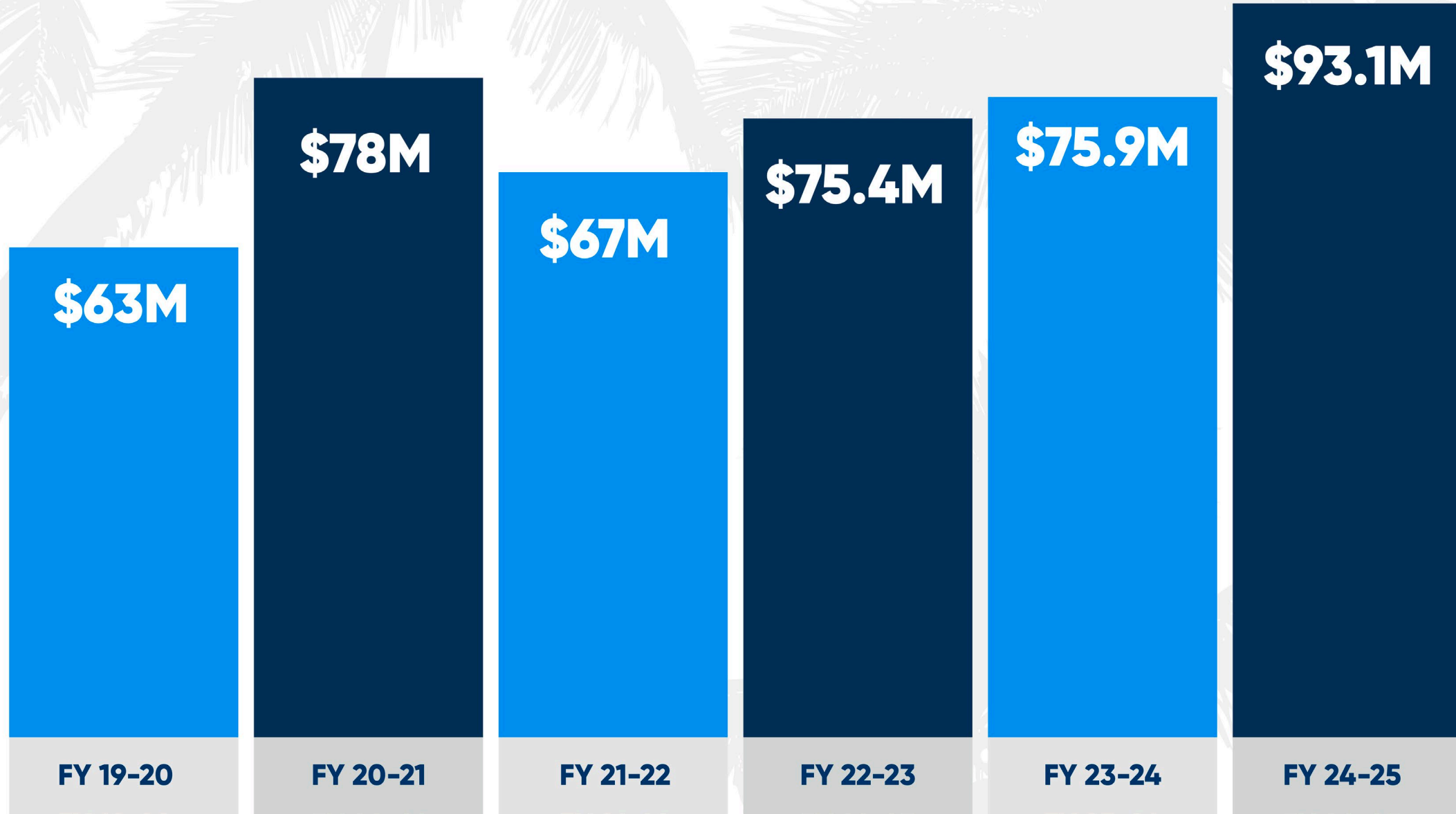
The esteemed designation by Carnegie uses benchmarks in research expenditures (**>\$50M/year**) and doctoral graduates (**>70/year**). Florida Atlantic transitioned to R1 in 2025 based on 2022-2023 levels of research expenditures (**\$78M**) and doctoral graduates (**125**).

Of the approximately **5,300** higher education institutions nationwide, less than **3.7%** are designated as R1 by Carnegie.

NUMBER OF R1 INSTITUTES NATIONWIDE

146 → **168**
2022 2025

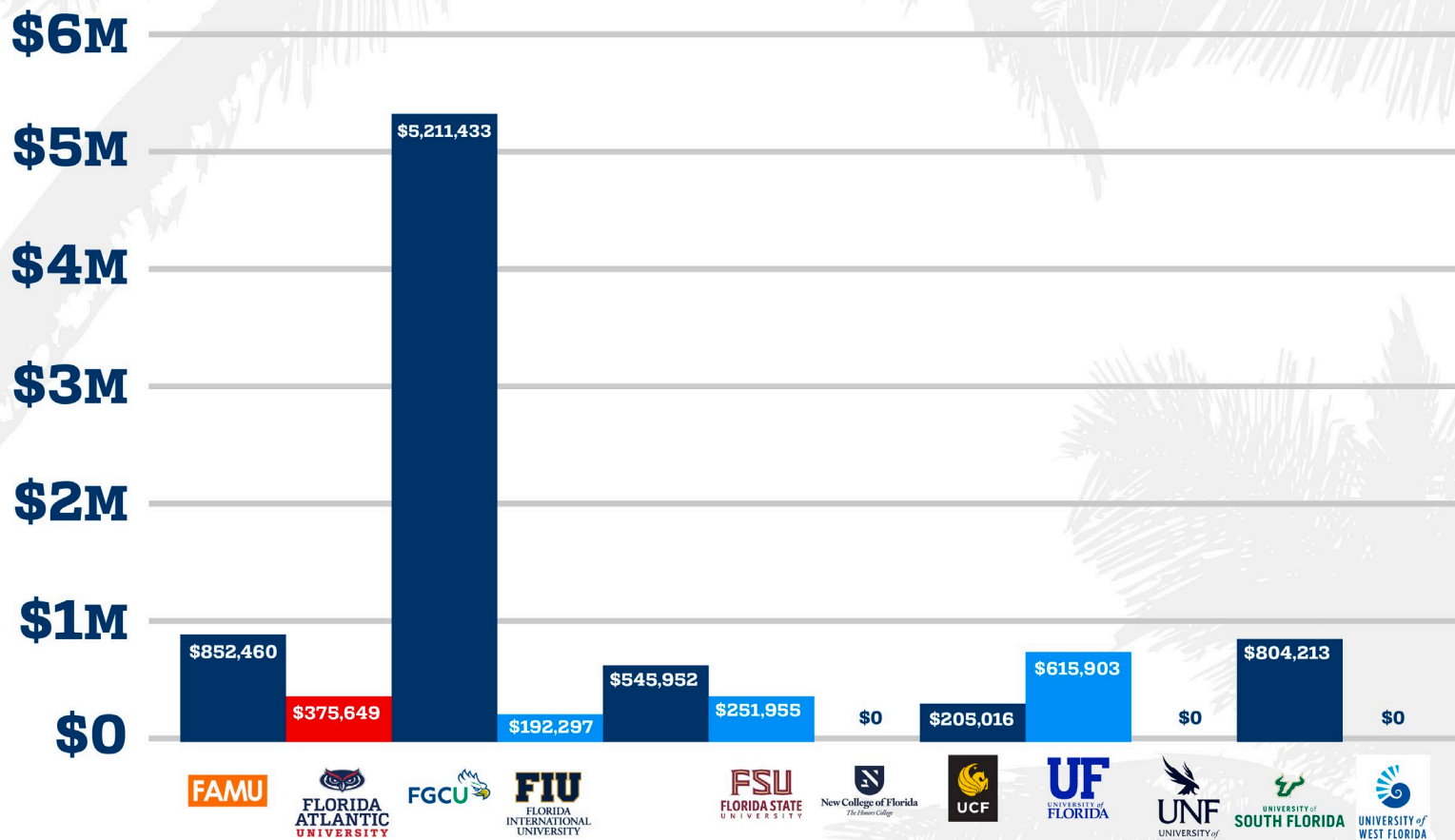
Research External Grant Funding





Measuring Research Productivity

Grant Revenue per Research FTE FY 2024



Grant revenue per research employee is a better indicator of productivity and comparator metric across institutions

Metric accounts for university personnel dedicated to research and can be tracked to measure productivity

FGCU metric outlier because reported only 5.86 FTEs dedicated to research and \$30.5M in grants and contracts revenues

Grant Awards



\$30.5M
JULY 1, 2022 – SEPT. 27, 2024

\$29.98M
OCT. 1, 2024 – NOW

David and Lynn Nicholson Center for Degenerative Disease Research

\$1.03M

The Stiles-Nicholson STEM Teacher Academy

\$1.6M

In-Vehicle Sensors to Detect Cognitive Change in Older Drivers

\$1.7M

Caring-based Community and Academic Relationships for Excellence: Nurse-led Mobile Health Unit

\$2.9M

Supplement: USDA-Ensuring a Steady Supply of Warm Water Marine Finfish Seed Stock to Support U.S. Aquaculture Industry FY23

\$2.13M

Wellness Advocates Valuing Educators and Students - WAVES

\$2.21M

Next Generation Sensor Systems for Natural Oceanic Bioluminescence Assessments: PHASE II

\$7.05M

Supplement: USDA-Ensuring a Steady Supply of Warm Water Marine Finfish Seed Stock to Support U.S. Aquaculture Industry FY24

\$2.17M

Research, Development and Education to Accelerate the Transition of Marine Energy Technologies to Market

\$4.4M

Seedstock Improvement to Support the U.S. Warm Water Marine Finfish Industry

\$1.8M

Reducing Disparities in Dementia and VCID Outcomes in a Multicultural Rural Population

\$2M

Research University Alzheimer's Research Using Exablate Neuro-focused Ultrasound

\$1.5M

Broward UP Promise Neighborhoods

\$20M

ACCESS-Technology: Advancing Career Choices for Employment Success in Technology

\$10M

Joint Center for Persistent Remote Ocean Surveillance

UNIVERSITY OF MIAMI

HARBOR BRANCH
OCEANOGRAPHIC INSTITUTE

U.S. DEPARTMENT OF THE NAVY

OFFICE OF NAVAL RESEARCH

CENTER FOR SOUTHEASTERN
TROPICAL ADVANCED REMOTE SENSING



\$23M

Contracts from the U.S. Office of Naval Research to examine the **dynamics of bioluminescence** in oceanic waters, as well as collaboration to develop new sensing technology for CubeSats and small satellites.

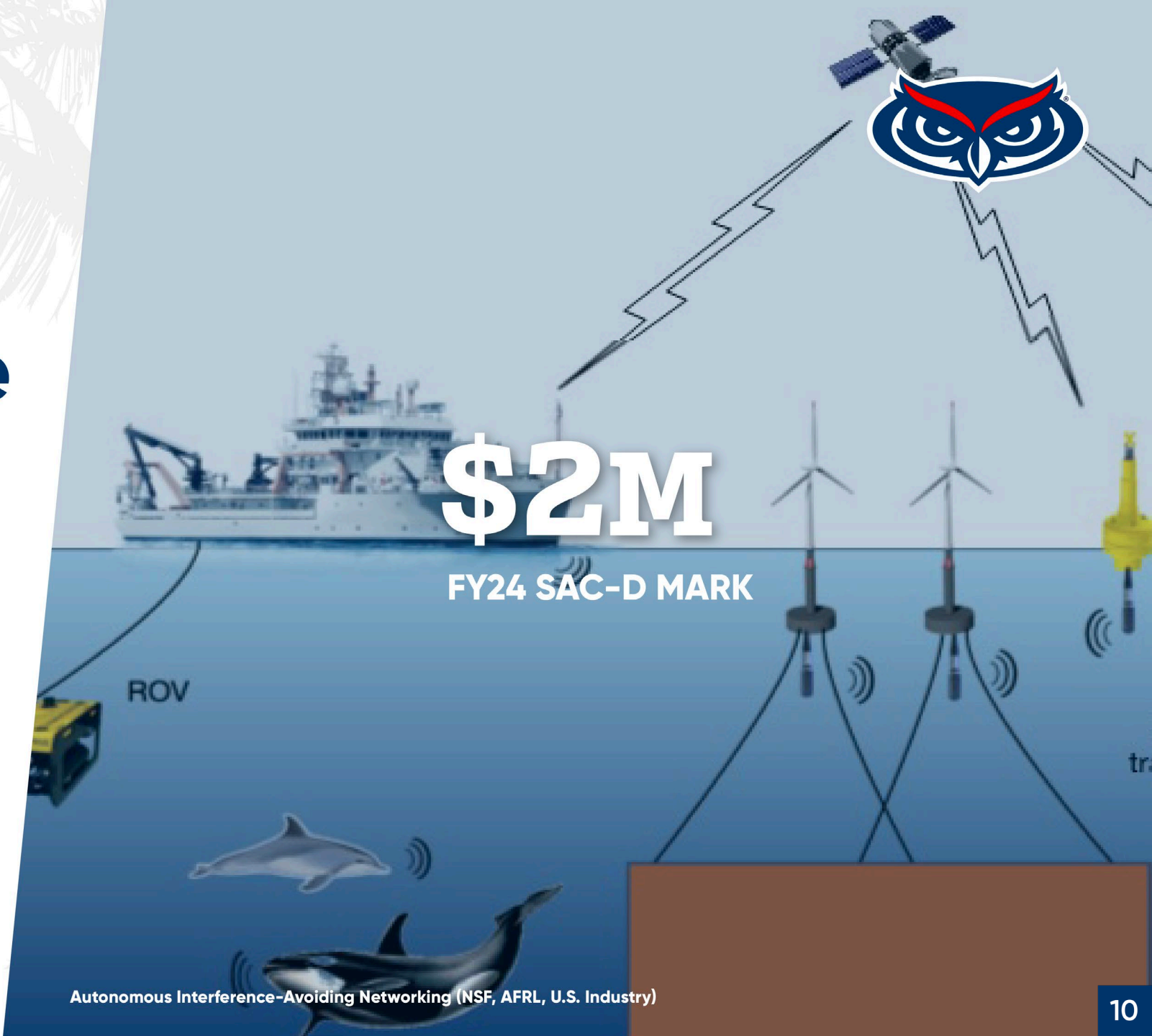
Marine Renewable Energy Technology



\$4M

DOE GRANTS IN 2025

Programmable Computing Fabric Networks



\$2M

FY24 SAC-D MARK

★★★★★
CANCER CENTER
of
EXCELLENCE

Florida
HEALTH

Cancer Center of Excellence



AN EXCLUSIVE DESIGNATION BY FLORIDA LEGISLATURE

2025

\$5.4M

FDoH Cancer Innovation Fund,
Mary N. Porter Cancer Research Fund
of The Community Foundation of Broward

REPRESENTATION FROM:

- Florida Atlantic University
- UF Scripps
- Memorial Cancer Institute
- Gift of Life
- Cleveland Clinic Florida
- Delray Medical Center
- South Florida Proton Therapy Institute
- Broward Health

197

**CANCER CENTER
OF EXCELLENCE MEMBERS**

Alzheimer's Facts



**MIAMI IS #1 U.S. COUNTY
FOR ALZHEIMER'S DISEASE PREVALENCE ***

BROWARD #34

PALM BEACH #38

*in counties with 10K+ residents age 65 & older

**OVER
840,000
FLORIDIANS**

Provide unpaid care
for people with dementia.



FLORIDA has the

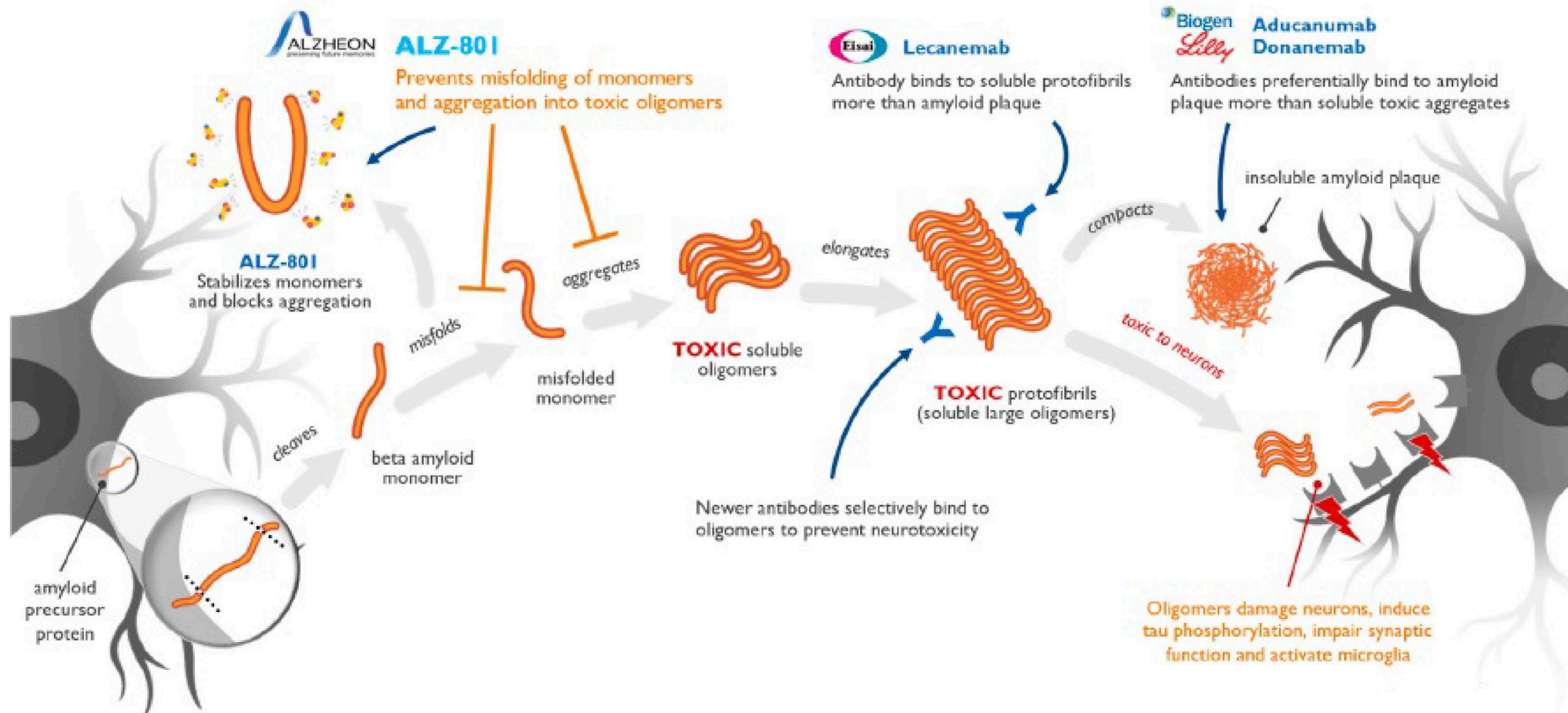
**SECOND HIGHEST
NUMBER OF SENIORS**

living with Alzheimer's in the nation.

Mechanisms of Action of Alzheimer's Disease Therapeutics

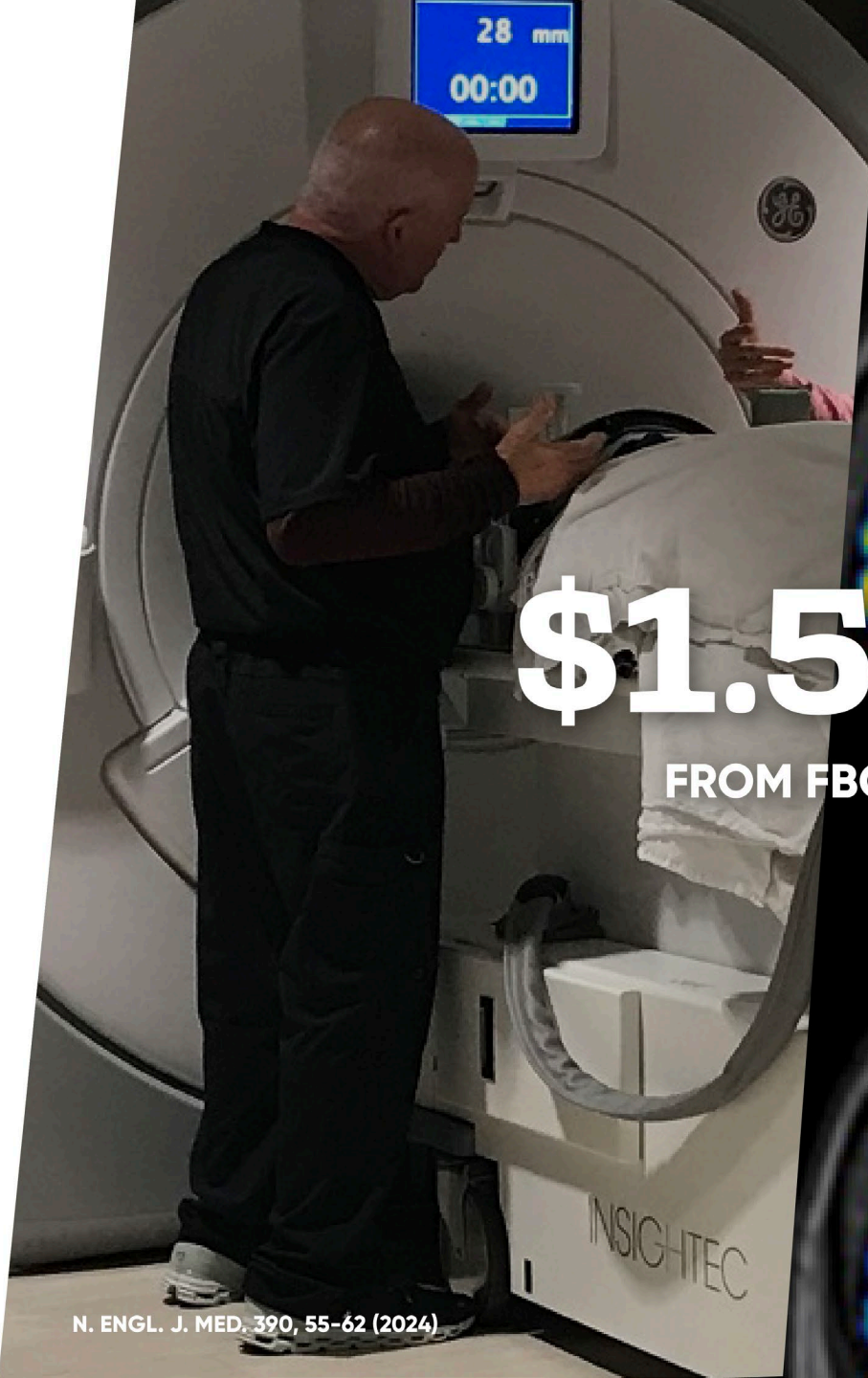


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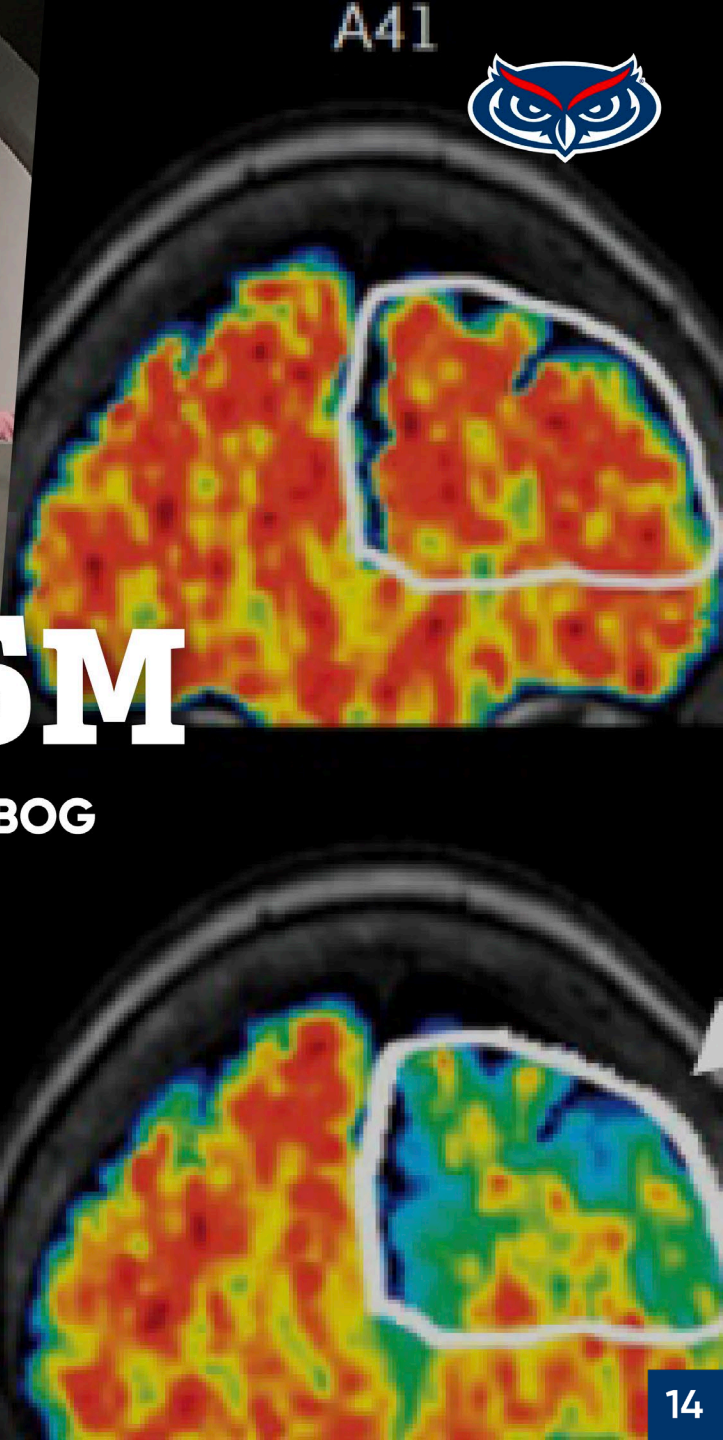
Clinical Trial

OF MAGNETIC RESONANCE
GUIDED FOCUSED ULTRASOUND
(MRgFUS) FOR THE TREATMENT
OF ALZHEIMER'S DISEASE



\$1.5M

FROM FBOG



What We're Building at FAU: World's First MRgFUS "NeuroInnovate" Research and Training Center

BOCA RATON

A. **\$4M**
HUMAN MRI: GE SIGNA™ PREMIER 3T

B. **\$2M**
HUMAN FUS: INSIGHTEC PRIME 220

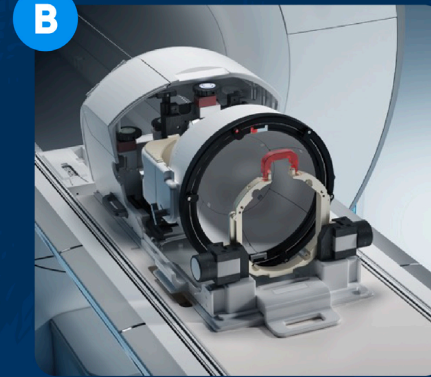
C. **\$2.7M**
PRECLINICAL MRI: BRUKER BIOSPEC
MAXWELL 7T

D. **\$.4M**
MASS SPECTROMETER: AGILENT 6475 LC/TQ

E. **\$.25M**
PRECLINICAL OPTICAL IMAGER: AMI HT

F. **PRECLINICAL FLUORESCENCE IMAGER: IVIS
LUMINA SERIES 100-240V**

G. **\$.5M**
MASS SPECTROMETER: THERMO SCIENTIFIC
Q-EXACTIVE HF-X ORBITRAP



BOCA RATON

\$2.5M
METABOLOMICS
NMR

JUPITER

\$.15M
PRECLINICAL
FUS

JUPITER

Selective Current MRgFUS Clinical Trials



NCT05857852

Low-Intensity Focused Ultrasound for Cocaine Use Disorder

NCT05879120

Randomized Study of Neo-adjuvant and Adjuvant Pembrolizumab With and Without Targeted Blood Brain Barrier Opening Using Exablate MRI-guided Focused Ultrasound (Exablate MRgFUS) for Recurrent Glioblastoma

NCT03321487

Blood-Brain Barrier Opening Using MR-Guided Focused Ultrasound in Patients With Amyotrophic Lateral Sclerosis

NCT05469009

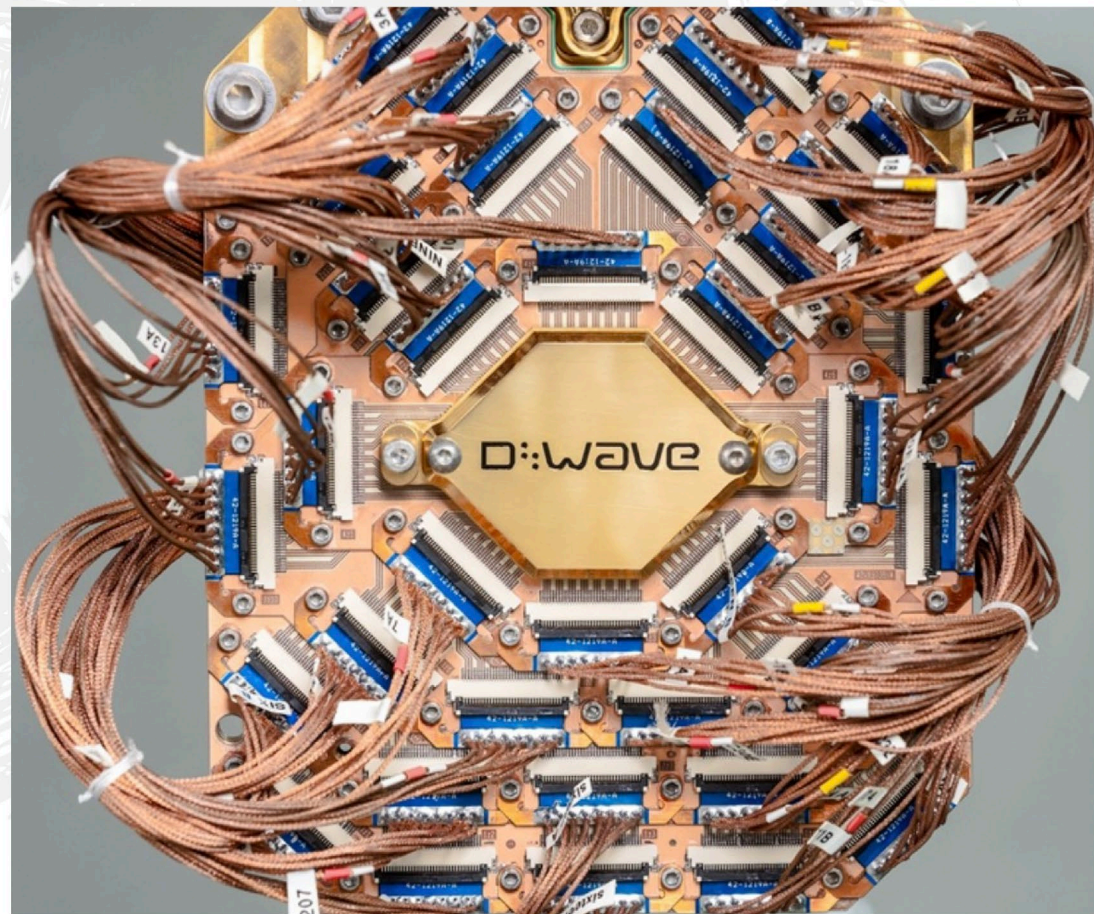
Safety and Feasibility of Exablate Blood-Brain Barrier Disruption for Mild Cognitive Impairment or Mild Alzheimer's Disease Undergoing Standard of Care Monoclonal Antibody (mAb) Therapy



Florida's First Quantum University



**D-Wave Advantage2 Annealing
Quantum Computer**



Annealing Quantum Processing Unit (QPU)



Strategic Research Initiatives for the Future

Healthy Aging and Neuroscience

Brain Function Across the Lifespan

Cancer Diagnosis and Treatment

Water Science and Marine Technologies

Marine Energy

Aquaculture

Coastal Monitoring

Autonomous Communications