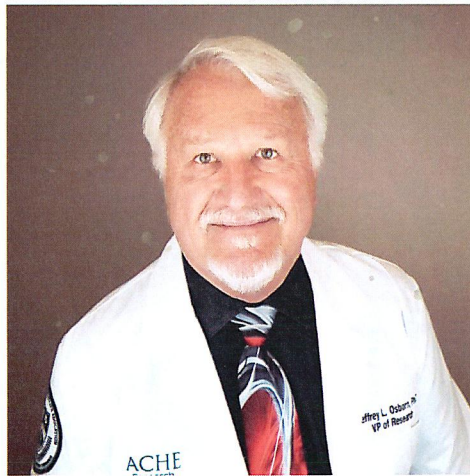


— RESEARCH INSTITUTE —
HEALTH & WELLNESS CENTER





VICE PRESIDENT OF RESEARCH

Jeffrey L. Osborn, PhD

Jeffrey L. Osborn, PhD is Vice President of Research and Professor of Pathophysiology at ACHE. He moved to the Arkansas Colleges of Health Education (ACHE) in 2022 after nearly 20 years as Professor of Biology at the University of Kentucky. Dr. Osborn's academic credentials include a BA from Amherst College (biology major) and MS and PhD degrees from Michigan State University in renal and cardiovascular physiology. His career began as a National Kidney Foundation research fellow—Department of Internal Medicine and the Cardiovascular Research Center, University of Iowa, Iowa City, IA. The initial portion of his research career was as Assistant and Associate Professor of Physiology at the Medical College of Wisconsin, Milwaukee, WI. There, he maintained consistent NIH and American Heart Association funding for 20 years, served as President of the AHA Northland Division and was named a prestigious Established Investigator of the AHA. In 1997, he was awarded a Senior Nobel Scientist Fellowship, at the Karolinska Institute, Stockholm, Sweden where he conducted research in the Department of Pediatrics for 1 ½ years when he returned to the Medical College of Wisconsin to resume his work as a medical educator and research scientist.

In 1999, he assumed the position of Founding Director of the Greater Hartford Academy of Math and Science and Professor of Biology, Trinity College. After launching the Academy, he became Professor of Biology at the University of Kentucky, and awarded the Arthur C. Guyton, Educator of the Year Award by the American Physiological Society as well as the Great Teacher Award by the University of Kentucky Alumni Association. In 2021, he was named a “Fellow of the American Physiological Society” for his long-standing service in physiological research and excellence in physiology education for over 30 years.

In his position as ACHE VP of Research, Dr. Osborn will lead the entire ACHE research program in biomedicine and the development of the ACHE Research Institute Health and Wellness Center into one of the nation's premier 21st century research programs.



ACHE RESEARCH MISSION

To utilize innovative research and scientific collaborations for the advancement of health and wellness in our communities and to train highly skilled and compassionate healthcare professionals.

SCOPE OF RESEARCH

• A C H E A P P R O A C H •

TRANSLATIONAL RESEARCH

**CENTER FOR REHABILITATION
RESEARCH**

BIOMEDICAL RESOURCE CENTER

CLINICAL RESEARCH CENTER

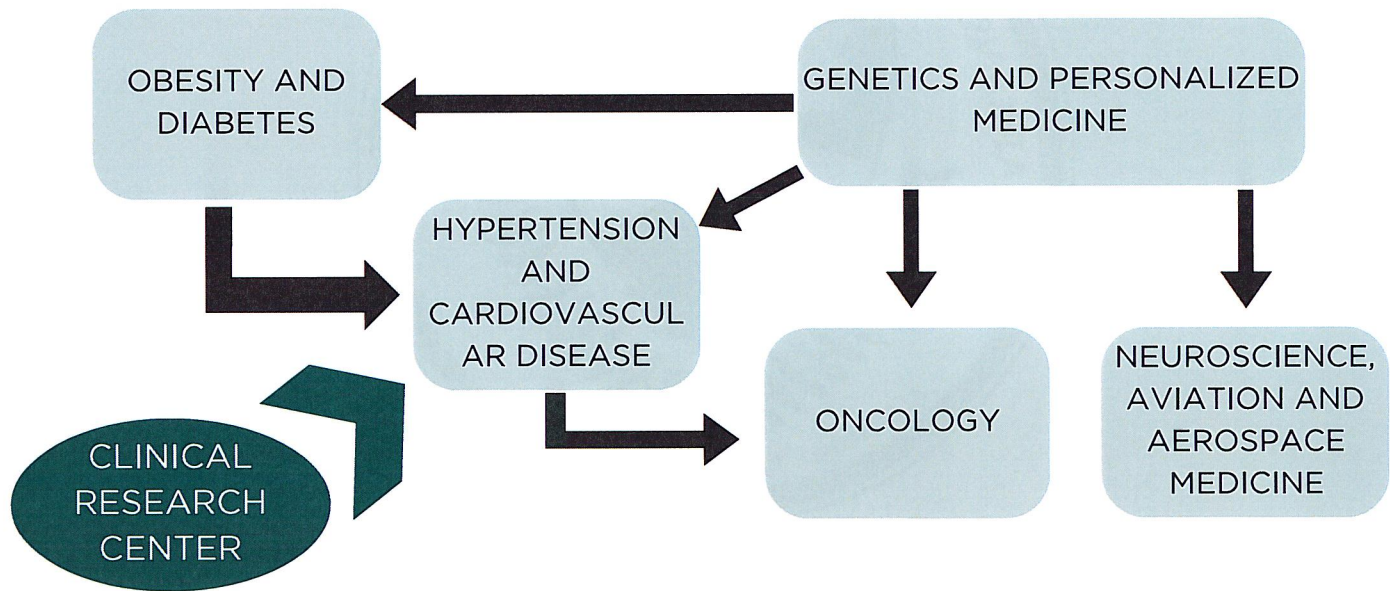


TRANSLATIONAL RESEARCH

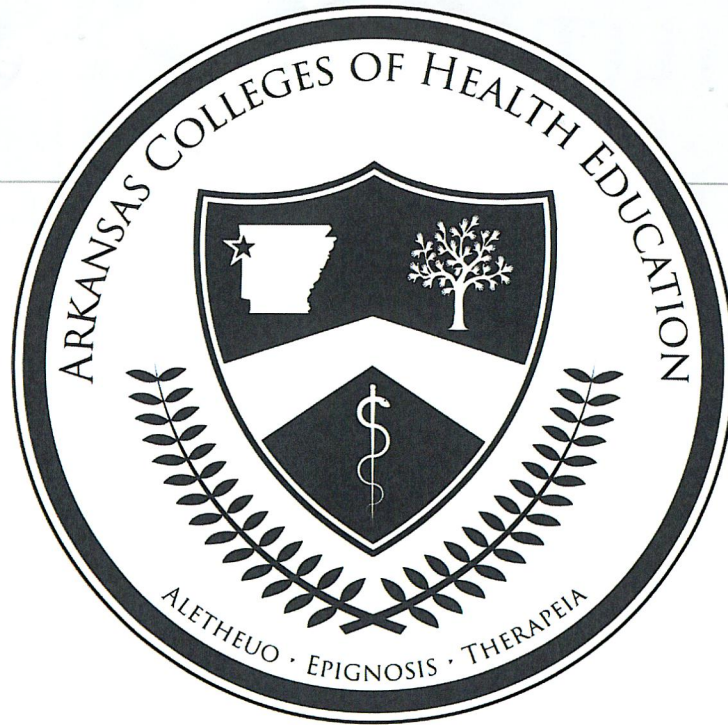


TRANSLATIONAL RESEARCH

• C E N T E R S •



- Each center is designed to be collaborative with other centers as well as with pharmaceutical and biotechnology companies that will rent space within the RIHWC.
- To support the research of each center, the following cores will be implemented and housed within the RIHWC:
 - Clinical Imaging
 - Rodent Imaging
 - Microscopy and Cellular Imaging
 - Proteomics, Metabolomics, and Glycomics



CENTER FOR REHABILITATION RESEARCH



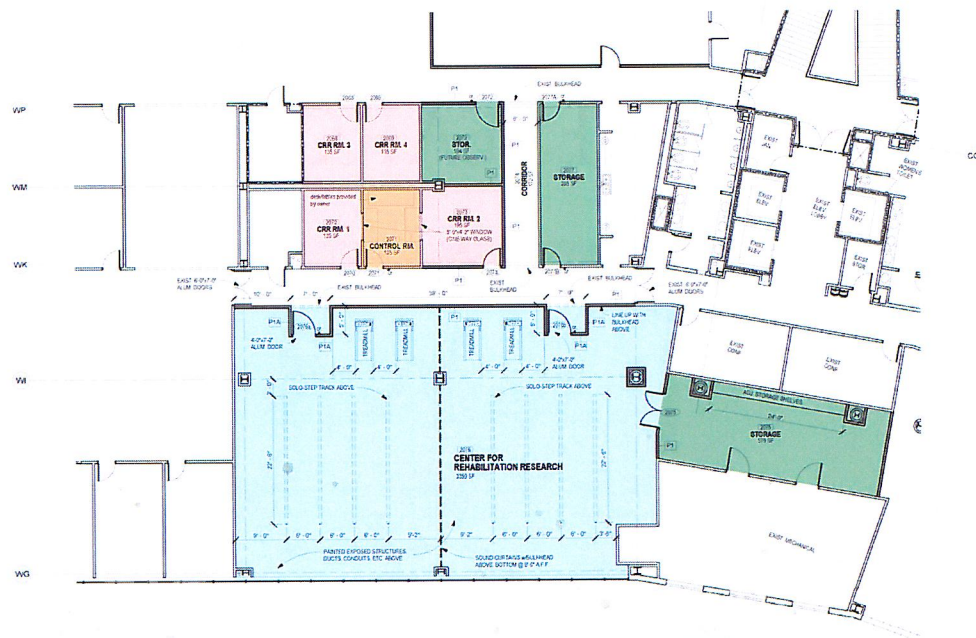
CENTER FOR REHABILITATION RESEARCH

• FACILITIES •

COMPLETED IN FEBRUARY 2024

Center for Rehabilitation Research is a state of the art facility that includes:

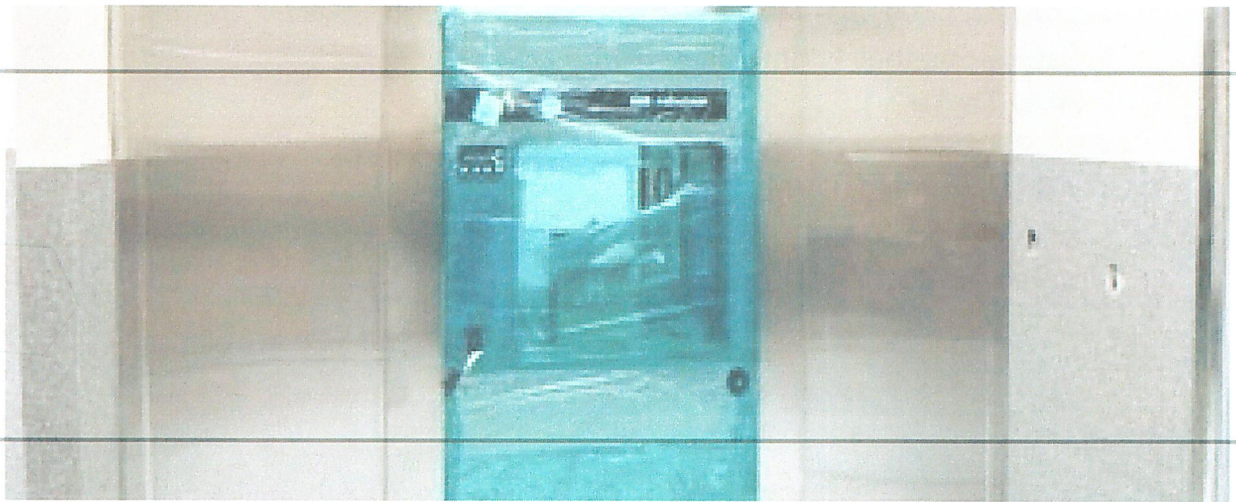
- 3,500 SF open gym lab space with the ability to be divided in half for multiple studies to occur concurrently.
- Four observation rooms for focus groups or one-on-one therapy sessions.
- Each room and the entirety of the lab space is equipped with cameras and recording devices with audio capability.



1 SECOND LEVEL FLOOR PLAN AREA 'A' CENTER FOR REHABILITATION RESEARCH
85' x 116'



BIOMEDICAL RESOURCE CENTER



BIOMEDICAL RESOURCE CENTER

• O P E R A T I O N S •

ANIMAL VIVARIUM

SCHEDULED FOR COMPLETION LATE SUMMER 2024

Fully operational rodent and aquatic facility with ABSL2 capabilities

BIOMEDICAL TISSUE BANK

Mercy Hospital & Mercy Research

- JoAnne Levy, JD- Mercy System VP Research
- Laurie-Marshall Nightengale, MD
- Amy Taylor

ACHE RHWC

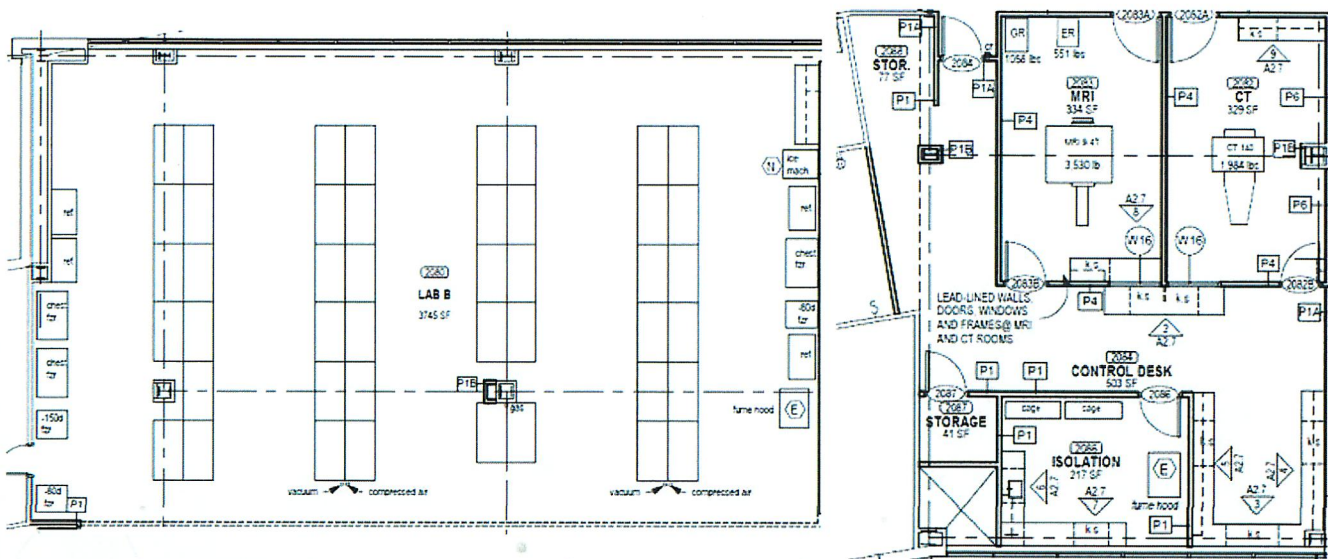
- Adrienne Allen, DVM
- Allie Wiencek
- Karen Abbott, PhD

BIOMEDICAL RESOURCE CENTER

• EXPANSION •

BIDS RECEIVED IN MAY 2024

ADDITIONAL BENCH RESEARCH & RODENT IMAGING CORE





CLINICAL RESEARCH CENTER



CLINICAL RESEARCH CENTER

• C U R R E N T A N D F U T U R E •

OPEN AND OPERATIONAL

State of the art facility within the RIHWC that includes

- Reception area
- Executive Director office
- Eight exam rooms
- Separate blood draw space

DESIGN PHASE

Clinical Imaging Center to include

- Human MRI/PET
- Human CT/PET
- Electron Microscopy
- x-Ray
- DEXA Scanner



ECONOMIC IMPACT REPORT

Economic impacts of the expansion of the Research Institute Health and Wellness Center in the years 2024 through 2027.

ECONOMIC IMPACT

• KEY POINTS •

COMPLETED BY HISTECON ASSOCIATES, LLC
MARCH 2024

ECONOMIC IMPACT 2024

	ACHE INVESTMENT	ECONOMIC IMPACT
CONSTRUCTION	\$12M	\$23.5M
OPERATIONS	\$13.1M	\$32.8M
TOTAL	\$25.1M	\$56.3M

ECONOMIC IMPACT

• KEY POINTS •

COMPLETED BY HISTECON ASSOCIATES, LLC
MARCH 2024

ECONOMIC IMPACT 2027

	ACHE INVESTMENT	ECONOMIC IMPACT
CONSTRUCTION	\$65M	\$125.3M
OPERATIONS	\$55M	\$137.4M
TOTAL	\$120M	\$262.7M

ECONOMIC IMPACT

• KEY POINTS •

The annual operations of the RIHWC involve the number of employees and the resulting wages, salaries, and benefits paid. In 2025, estimated new employment will be 58 full-time staff and a payroll of approximately \$12 million.

During 2024 to 2027, direct costs for construction and equipment at the RIHWC will total over \$65 million. This will generate about 230 full- and part-time jobs and almost \$9 million in payroll for construction alone.

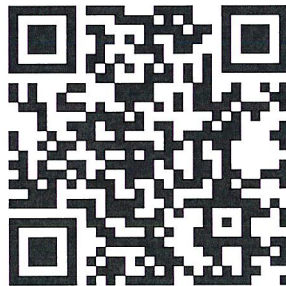
Operations, payroll, and construction projects produce a total-value added to the economy of at least \$263 million in current dollars. The value-added to the economy of \$60.3 million and another 370 jobs in the secondary or support sectors produces \$125.3 million in new economic growth and over 600 new jobs.



RESEARCH INSTITUTE

HEALTH & WELLNESS CENTER

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<https://research.achehealth.edu>