



University of Missouri System

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\$10M IN CORE FOR NEXTGEN

\$6.2M FOR MOEXCELS

NextGen 
PRECISION HEALTH
Initiative

Nationally, Missouri has the 12th highest rate of cancer deaths and ranks 11th for most heart disease deaths. We can and we must do better! Our highest priority-**the NextGen Precision Health Initiative**- will transform groundbreaking research into life-changing treatments for Missouri's most-pressing health issues. NextGen combines the expertise from our medical schools, MU Health Care and the MU Research Reactor with the access of Extension's statewide network to care for Missourians like no one else can.

PROVIDE LIFE-CHANGING TREATMENTS AND BILLIONS TO MISSOURI'S ECONOMY

We are the only university in the U.S. to develop three FDA-approved radiopharmaceuticals to treat cancers - liver, bone and pancreatic. Every day, we make key components of these drugs which shrink tumors, relieve pain and **SAVE** lives.

NextGen, alone, will create an additional \$5.6 billion over 25 years and expand Missouri's general revenue collections an extra \$227 million.

INITIAL \$10M FROM STATE SPURRED CORPORATE PARTNERSHIP, CREATED JOBS, EARNED GRANTS

In July, we announced our \$179 million partnership with Siemens Healthineers, the largest agreement, yet, for this international company. This venture brings our state the most advanced MRI imaging facility in the Midwest.

We broke ground in June and have nearly finished building the first level of the research hub. The construction phase alone brings 3,400 jobs and \$472 million in revenue. In just two years, NextGen will bring another 1,000 workers to Missouri.

After the state funding announcement, we received \$12 million for three new research grants to: determine which immunotherapies will cure skin cancer; speed up how biomedical discoveries reach patients and train doctors to serve rural Missouri.

SHIFTING NEXTGEN TO CORE FUNDS IMPROVES RURAL HEALTH CARE, CREATES NEW PARTNERSHIPS

By fall 2020, rural patients can access our 24-hour MRI medical expertise from hundreds of miles away. As one of five states receiving federal grant dollars to train rural doctors, our care will reach Missouri's most underserved areas.

We are negotiating with several global corporations totaling \$600 million in funding potential during the next eight years alone. Moving NextGen state funding to our core will create even more partnerships and accelerate Missouri's economy with high-paying jobs.



"I see the rural populations of our state benefiting greatly from improved access to the type of individualized care being pursued by the University."

Brooks Miller, CEO
Jordan Valley Community Health Center



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OUR \$6.2 MILLION IN MOEXCELS PROPOSALS FIT WORKFOCE NEEDS

The UM System presented four proposals in key STEM fields to fit our state’s critical workforce needs. Our proposals will:



Make Missouri the national leader in training clinical service engineers who work with medical imaging equipment used to detect diseases earlier and determine effective treatments



Increase access for STEM education by educating graduates to pursue middle school science teaching degrees, scaling the program to reach rural areas and creating a mobile STEM lab for rural school outreach



Expand our nursing programs using advanced simulation labs to address growing demand for nurses throughout Missouri



Develop eLearning degrees focused on business, health sciences, cybersecurity, information technology and criminal justice degree programs – all areas that require more graduates to support Missouri’s economy

STUDENTS FROM MISSOURI ATTEND UM MORE THAN OTHER STATE CAMPUSES

UM System educated 31,798 full-time students from Missouri in 2018. MU taught the most from our state at 14,631. We train more doctors, veterinarians, pharmacists and dentists to serve rural Missouri than any other university in the state.

UM OFFERS A STRONG RETURN ON STATE INVESTMENT

Our universities receive one of the lowest in state support per full-time student (\$7,147) in the U.S for public research universities. We’re focused on increasing the return on the state’s investment, while maintaining our high quality. We have awarded 25% more degrees over the past 10 years, while dropping the cost to provide those degrees by 30%. We’ll continue to operate with great efficiency, but investments are required in the key areas for workforce development and medical breakthroughs.

UM SYSTEM IS EFFICIENT AND EFFECTIVE

Over the past three years, the UM System cut \$200 million from the budget and eliminated 750 administrative positions, which allowed us to reallocate savings to our core missions: student success, research breakthroughs and engagement with Missourians.

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