The EPSCoR program awards are impacting academic research infrastructure across the entire state. Award funding was given to UK, UofL, KSU, EKU, WKU, KCTCS (Big Sandy & BCTC), Murray St., Morehead, and NKU. Other funding provided for student internships at KY S&T companies & other outreach & education programs.

K Y  N S F  E P S C o R
Powering the Kentucky Bioeconomy

S U C C E S S E S

$20 mil
NSF EPSCoR infrastructure award allowed KY researchers to competitively win an additional

+ $20 mil
in follow-on.

872
new
patents
(12 licensed) were added to the IP pipeline by the NSF EPSCoR researchers supported on the 2014-2019 award.

288
publications

177
graduating undergrads

58
graduate students

EPSCoR WORKS FOR KY

18
research active faculty hires
UofL (5), UK (4), WKU (3), Murray St. (3), EKU (1), Morehead (1), Centre (1)

17
small businesses supported

STATEWIDE IMPACT

$20 mil

Ky's % of NSF's research budget by fiscal year

NSF's research funding awarded to Kentucky has DOUBLED in the last ten years.


20mil$ 20mil$
Positive results in advanced manufacturing are only found through collaboration, leveraging research power from eight institutions across the state: UK, UofL, EKU, WKU, Morehead, Kentucky State, Transylvania, & Somerset Community College.

**STATEWIDE COLLABORATION**

**ADVANCED MANUFACTURING IN KENTUCKY**

Collaborative research funded through this $24 million partnership will help bring economic, industrial, and commercial success to Kentucky, Appalachia, and the nation.

**NEW MATERIALS**

We’ll use synthetic biology to produce new sustainable chemical building blocks with programmable lifetimes that are environmentally friendly.

**DEVICE CONFIGURATION**

We’ll take these materials and develop them into electronically-enabled devices which can be 3D-printed and embedded into products like sensors, clothing, industrial machinery, medical devices or new inventions guided by the market.

**HUMAN-MACHINE INTERACTION**

We’ll take the information from these building blocks these electronic devices and sensors and translate it through complex software into more digestible data. This helps humans work with robots and vice versa.

**ON-GOING PROJECT (2019-24) KY NSF EPSCoR**

**NEW MATERIALS**

**DEVICE CONFIGURATION**

**HUMAN-MACHINE INTERACTION**

**STATEWIDE COLLABORATION**

**8 NEW FACULTY HIRES**

UK (4), UofL (2) EKU (1), Somerset Comm. College (1)

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