

## Academic research advances the economy and improves lives

**3.8 million jobs** have been supported through university and nonprofit patent licensing<sup>1</sup>

At least **153 new drugs and vaccines** are on the market due to university and industry partnerships facilitated by the Bayh-Dole Act<sup>2</sup>

## Revenues received from licensees are reinvested in additional research and development

**\$2.5 billion** licensing income received, up **24.8%** over 2014

**\$135.2 million** licensing income attributed to equity, up **24.8%**

## Strong intellectual property rights help protect discoveries and ensure continued investment in research

**15,953** new U.S. patent applications filed, up **14.7%** over 2014

**6,680** U.S. patents issued, up **4.9%**

## Consumers and businesses benefit from the creation of new products

**\$28.7 billion** net sales from new products, up **2.5%** from 2014

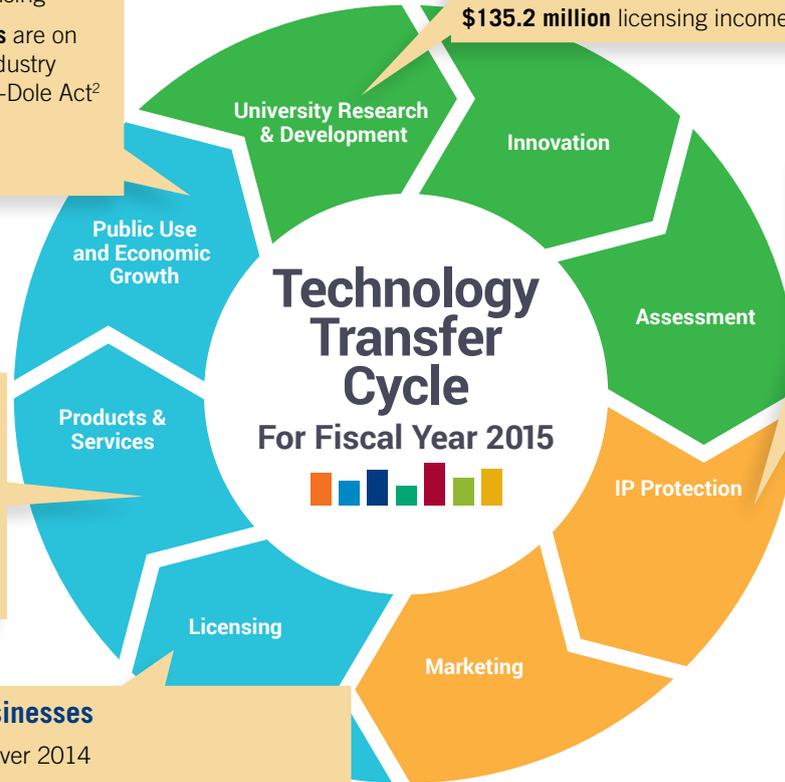
**879** new products created

## Creating new, sustainable businesses

**1,012** startups formed, up **11.3%** over 2014

**735** of those startups reside in institution's home state, up **4.7%**

**5,057** startups still operational at end of fiscal year 2015, up **7.8%**



**25**  
YEARS

AUTM Licensing Activity Survey

Learn more at [www.autm.net](http://www.autm.net)

1. Biotechnology Industry Organization: The Economic Contribution of University/Nonprofit Inventions in the United States: 1996-2013; March 2015.
2. A. J. Stevens, J. Jensen, K. Wyller, E. London, S. Chatterjee, M. L. Rohrbaugh, "Open source research in the pharmaceutical industry," Association of European Science and Technology Professionals (ASTP), Paris, 2010



## Helping Newborns Breathe Easier

Each year, millions of babies are born struggling to breathe.

Premature babies who lack fully developed lungs and infants struggling with severe respiratory illness often need the help of a machine that keeps the lungs inflated called a bubble continuous positive airway pressure (CPAP) machine. While the life-saving device is widely available in developed nations, its price tag of more than \$6,000 puts it out of the reach of low-resource facilities.

That's changing, thanks to a low-cost bubble CPAP developed by Rice University bioengineering students working to address the needs of developing nations with more cost-effective technologies.

United Nations names CPAP technology a 2015  
**“Breakthrough Innovation to Save Women and Children Now”**

In 2014, Rice University licensed the technology to a 3rd Stone Design subsidiary, structuring the agreement to facilitate entry into low-resourced markets.

Their efforts have paid off. With a price of \$800 per unit, the life-saving CPAP technology is now available in many developing countries. For babies with low birth weight and sepsis, survival rates have more than tripled after treatment with the device, saving thousands of lives.



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