A 2012 Legislative Proposal to Advance Discoveries by Maryland’s Leading Research Universities, Create Jobs and Grow Our Economy

Research & Development: Investigative activities conducted to make discoveries that lead to development of new products or services, or improve existing ones.

A BIO-IT company formed from a collaboration with Morgan State University that developed augmented reality goggles. Juxtopia is selling its goggles and continues to develop products and drive sales.

Maryland Excels in Higher Education Research Activity¹
- 1st in Federal R&D Awards per capita
- 2nd in NIH R&D Contracts—$525M—1st per capita
- 3rd in R&D intensity—ratio of expenditures to GDP
- 156 businesses received R&D tax credit in 2010

Successful website builder launched in 2004 from a University of Maryland dorm room. Starting with $50,000 in TEDCO funds, the company raised $38.5 million in venture funds and ranked #416 on Inc. 500’s fastest growing companies by 2010.

Juxtopia

Maryland Trails in Commercializing University Research to Marketplace²
- 45th – Inventions generated per research dollar
- 40th – Start-ups formed per research dollar
- 38th – University start-ups formed in-state
- 30th – License agreements

Developed patented NanoFoil heat energy knowhow at Johns Hopkins University in 2001. Awarded two $50,000 TEDCO grants, the company grew to 43 employees, raised $36 million and was sold in 2009 to New York-based Indium Corp. Photo courtesy Maximilian Franz, RNT

Reactive NanoTechnology

Maryland is already #1 in research. It is unacceptable that we rank 37th in transferring that research and technology into job creation. For all of our assets – and all of the resources we’ve invested together – we should be #1 in technology transfer and the commercialization of new ideas into jobs. Governor Martin O’Malley at State of the State 2012

¹Sources: National Science Foundation for FY 2008/2009; NIH data for FY 2009; ²Source: 2010 Annual Survey of the Association of University Technology Managers (AUTM)
Maryland Innovation Initiative  
(Senate Bill 239/House Bill 442)

FREQUENTLY ASKED QUESTIONS

What is the Maryland Innovation Initiative?
An historic partnership between the State and its world-renowned research universities that unites researchers with entrepreneurs across disciplines and institutions to strengthen Maryland’s economy, start new businesses and create jobs.

What are the objectives?
- Encourage qualifying universities to partner on commercialization proposals, strategies and funding
- Encourage partnerships with federal laboratories
- Facilitate technology transfer from universities to start-ups companies
- Streamline review processes for high impact economic development activities by universities

How will it operate?
- Administered by the Maryland Technology Development Corporation (TEDCO), a public corporation with 14 years’ experience funding technology transfer and development programs and entrepreneurial business assistance.
- Managed by a Director and eight-member board comprised of representatives from academia, technology businesses and government.

How will it be funded? Who can participate?
- The State allocates $5 million. Each qualifying university contributes $250,000
- Qualifying research institutions include University of Maryland College Park, University of Maryland Baltimore, University of Maryland Baltimore County, Morgan State University, and Johns Hopkins University.
- Funding will support start-up grants to innovators best positioned to push their technology and business plans into the marketplace quickly.

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