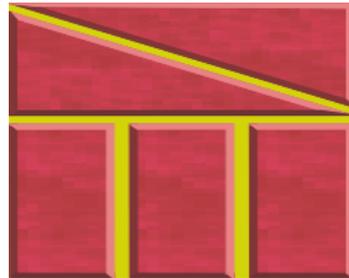


Higher Education Research Funding in Governor McDonnell's Introduced Budget 2012–2014 Biennium

Senate Finance Committee Education Subcommittee



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Higher Education Research Funding

- **Specific Institutional Research (\$12.7 million):** Implements the goals of the Virginia Higher Education Opportunity Act of 2011 (TJ21) by promoting university-based research that will result in commercialization and economic development.
 - ✓ Supports electrical stimuli research in biomedical (e.g. cancer and tissue) and non-biomedical (e.g. exhaust pollution reduction and ground penetrating radar) areas at Old Dominion University's Center for Bioelectrics (\$1.5 million) .
 - ✓ Continues research in cancer, epilepsy, and Parkinson's Disease at the University of Virginia's Focused Ultrasound Surgery Foundation (\$3.0 million).
 - ✓ Enhances brain disorder research at Virginia Tech (\$3.0 million).
 - ✓ Establishes a competitive research grant available to any of Virginia's public higher education institutions (\$5.2 million).

Higher Education Research Funding (cont.)

- **Cancer Research and Treatment Pool (\$12.0 million)**
 - ✓ Provides one-time funding to the Hampton University Foundation to complete cancer treatment facilities at the Proton Therapy Institute (\$6.0 million).
 - ✓ Supports cancer and medical translational research at the University of Virginia (\$3.0 million)
 - ✓ Continues support of cancer research at the Massey Cancer Center at Virginia Commonwealth University (\$3.0 million).

Other Budget Items Supporting Higher Education Research

- **Modeling and Simulation Efforts (Item 130.D.-Language)**
 - ✓ Requires the Secretary of Education to convene a workgroup representing both Virginia's public and private higher education institutions and private industry to determine the methodology upon which desired outcomes can be achieved for the Commonwealth to become a leader in the modeling and simulation arena.
 - ✓ Encourages the Secretaries of Education, Finance, Commerce and Trade, and Technology, their associated agencies, and the Innovation and Entrepreneurship Investment Authority to work collaboratively to achieve expansion of the Commonwealth's role in modeling and simulation efforts.

Other Budget Items Supporting Higher Education Research (cont.)

- **Modeling and simulation promotion (Item 423.J.-\$1.3 million)**
 - ✓ Markets Virginia's strengths in modeling and simulation, incentivizes formation of companies utilizing modeling and simulation, and enhances collaboration among the higher education institutions and the private sector to continue strengthening the Commonwealth's standing as the leader in modeling and simulation (benefits all higher education institutions with modeling and simulation expertise).
- **Life sciences research (Item 105.N.-\$10.0 million)**
 - ✓ Matches private sector funding for research focused on cancer, infectious diseases, neurodegenerative disorders, and allergies, as well as acquisition of a tissue library and relocation costs for development stage companies locating to the Commonwealth (benefits UVA, VT, VCU, GMU, and EVMS).