

# LIFE SCIENCES RESOURCES

*Fairfax  
County*  
VIRGINIA USA

## Proximity to premier research and regulatory institutions

- The National Institutes of Health, National Institute of Standards and Technology, National Science Foundation and the Food and Drug Administration are among dozens of federal research institutions and regulatory agencies in the Washington area.
- The Howard Hughes Medical Institute—one of the world's leading privately held biomedical research centers—has established Janelia Farm, a \$500 million research campus, just minutes from Fairfax County.
- Johns Hopkins University in nearby Maryland receives more federal money for research and development than any other university in the country.

## A growing bioscience infrastructure in northern Virginia

- Fairfax-based George Mason University has three bioscience institutes to help educate tomorrow's biotech workforce: the Krasnow Institute, the Center for Bioresource Development and the School of Computational Sciences.
- George Mason University's National Center for Biodefense leads counter-terrorism research with private industry partners.
- Inova Fairfax Hospital is a tertiary-care center and has been designated a "Top 100 National Benchmark Hospital."
- The American Type Culture Collection—minutes away from Fairfax County—is the main American repository of cell lines for life science research and business.
- MITRE, a federally funded research and development company, is a member of the International Consortium for Brain Mapping.
- Several industry organizations encourage the development of northern Virginia as a location for bioscience companies, including the Virginia Biotechnology Association, the Bio IT Coalition, and the BioMedTech Committee of the Northern Virginia Technology Council.

## Access to the world's largest technology market

The Washington area is a world leader in science and technological research. The U.S. Department of Defense, Department of Health and Human Services and other federal agencies invest heavily in life-science research, technology and products.

The federal government funds a significant amount of life science research and buys more technology goods and services than other institution in the world. Fairfax County companies won more than \$11.6 billion in federal contracts in fiscal year 2005.

## World-class information infrastructure, including telecom strength and more

Fairfax County is the technology center of the Washington area and the U.S. east coast. Fairfax County is home to more than 5,000 technology companies including leaders in data mining, analysis and storage, software development, telecommunications and systems integration, imaging and algorithmic development.

The business community's computational skills, systems integration, and IT infrastructure—developed in part for defense systems—are a significant ingredients to support the growth and success of the life-science sector. More than 30 venture capital firms and related organizations operate in Fairfax County.

## A community committed to bioscience and biomedical education at all levels

- Northern Virginia Community College has a medical education campus in Springfield.
- The Virginia Commonwealth University's Medical College of Virginia established a program with Inova Health System to train third- and fourth-year medical students at Inova Fairfax Hospital.
- The Chantilly Academy, a Fairfax County Public High School, launched a course on bioinformatics. Students learn more about the emerging field which employs information technology to the study of biological sciences and DNA.
- High-end research in such areas as physics, electronics and biotechnology is a way of life at Thomas Jefferson High School for Science and Technology<sup>1</sup>. It has been the top school in the nation for the last 14 of 15 years in the National Merit Scholarship program.

July 2007

**FAIRFAX COUNTY**  
ECONOMIC DEVELOPMENT AUTHORITY

# LIFE SCIENCES RESOURCES

# Metropolitan Washington, D.C.



## VIRGINIA

**RESOURCE**  
 American Type Culture Collection (ATCC)  
 Central Intelligence Agency (CIA)  
 Defense Advanced Research Projects Agency (DARPA)  
 Department of Defense (DoD)  
 George Mason University (GMU)  
 George Mason University (National Center for Biodefense)  
 Howard Hughes Med. Inst. - Janelia Farm Research Campus  
 Inova Institute of Research and Education  
 Krasnow Institute (GMU)  
 MITRE Corporation  
 National Science Foundation (NSF)  
 NVCC Medical Education Campus  
 Office of Naval Research (ONR)  
 Thomas Jefferson National Accelerator Facility  
 University of Virginia (UVA)  
 Virginia Biotechnology Research Park  
 Virginia Bioinformatics Consortium  
 Virginia Commonwealth University (VCU)  
 Virginia Commonwealth University (VCU) School of Medicine-Inova Division

**LOCATION**  
 B8 Manassas  
 E5 McLean  
 E6 Arlington  
 F6 Arlington  
 D7 Fairfax  
 A8 Manassas  
 B4 Ashburn  
 D6 Falls Church  
 C7 Fairfax  
 D6 McLean  
 E6 Arlington  
 E8 Springfield  
 E6 Arlington  
 D10 Newport News  
 A9 Charlottesville  
 D10 Richmond  
 n/a  
 D10 Richmond  
 D6 Falls Church

## MARYLAND

**RESOURCE**  
 Department of Agriculture (DoA)  
 Food and Drug Administration (FDA)  
 Fort Detrick:  
 U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID)  
 U.S. Army Medical Research & Materiel Command (USAMRMC)  
 Interagency Biomedical Research Confederation  
 National Interagency Biodefense Campus (NIBC)  
 Telemedicine and Advanced Technology Research Center (TATRC)  
 Howard Hughes Medical Institute (HHMI)  
 The Institute for Genomic Research (TIGR)  
 Johns Hopkins University (JHU)  
 National Institute of Standards and Technology (NIST)  
 National Institutes of Health (NIH)  
 National Naval Medical Center  
 Uniformed Services University (USU)  
 University of Maryland (UMD)

**LOCATION**  
 G4 Beltsville  
 D4 Rockville  
 D1 Frederick  
 D1 Frederick  
 D1 Frederick  
 D1 Frederick  
 F4 Chevy Chase  
 E3 Rockville  
 H1 Baltimore  
 D3 Gaithersburg  
 E4 Bethesda  
 E4 Bethesda  
 E4 Bethesda  
 G5 College Park

## WASHINGTON, D.C.

**RESOURCE**  
 Department of Agriculture (DoA)  
 Department of Energy (DoE)  
 George Washington University (GWU)  
 Georgetown University (GU)  
 National Aeronautics and Space Administration (NASA)  
 Naval Research Laboratory (NRL)  
 Walter Reed Army Medical Center

**LOCATION**  
 F6 Wash., DC  
 F6 Wash., DC  
 F6 Wash., DC  
 F6 Wash., DC  
 F6 Wash., DC  
 F7 Wash., DC  
 F5 Wash., DC

## FAIRFAX COUNTY

ECONOMIC DEVELOPMENT AUTHORITY



8300 Boone Boulevard, Suite 450  
 Vienna, VA 22182-2633 USA  
 phone: 703.790.0600  
 fax: 703.893.1269  
 e-mail: [info@fceda.org](mailto:info@fceda.org)  
 website: [www.fceda.org](http://www.fceda.org)

Offices worldwide: Silicon Valley  
 Bangalore · Frankfurt · London · Seoul · Tel Aviv

Map Prepared By:  
 Fairfax County Economic Development Authority  
 and GIS & Mapping Services

Data Sources:  
 Fairfax County Economic Development Authority  
 and ESRI

Updated June 2007