Across New York state SUNY faculty, staff, and students are conducting ground-breaking biotechnology and life sciences research. Part of a sponsored programs portfolio of nearly $1 billion, this activity represents a valuable resource and a significant opportunity to commercialize SUNY research into market opportunities for the public benefit. SUNY researchers are recognized for such life-changing discoveries as pioneering nuclear magnetic resonance imaging (MRI), isolating the bacteria that causes Lyme disease, and developing the first implantable heart pacemaker.

SUNY Polytechnic Institute is a fully-integrated research, development, prototyping, and educational facility that provides strategic support through outreach, technology acceleration, business incubation, and test-based integration support for over 300 corporate partners. Their world-class Albany campus has attracted over $14 billion in public and private investments. SUNY Poly’s pioneering educational curriculum features four constellations: Nanoscience, Nanoengineering, Nanobioscience, and Nanoeconomics. SUNY Poly has a robust portfolio of academic research in the life sciences; active partnerships with biomedical companies; and a first-of-its-kind MD/PhD program in Nanomedicine in collaboration with SUNY Downstate Medical Center.

The University at Buffalo has partnered with Gates Vascular Institute and Kaleida Health to create the Clinical Translational Research Center (CTRC) focusing on treatments for vascular disease. The CTRC features a 170,000 square foot research facility and a business incubator to encourage the commercialization of life-saving discoveries. The nearby supercomputer in the Center of Excellence in Bioinformatics and Life Sciences provides informatics support. In addition, UB hosts the School of Pharmacy and Pharmaceutical Sciences, a new state-of-the-art facility, the School of Medicine and Biomedical Sciences and the Center for Advanced Biomedical and Bioengineering Technology.

The RNA Institute at the University at Albany brings together researchers from higher education and other institutions and offers advanced facilities for RNA-based drug discovery. The goal is to advance research into RNA and its implications for innovative medicines, drug therapies and technologies to cure disease. In addition, the University at Albany Health Sciences Campus is anchored by the University’s School of Public Health and Cancer Research Center with its Center for Functional Genomics. The Campus is also home to numerous life science companies and a highly-collaborative, 30-year partnership between the School of Public Health and the New York State Department of Health.

SUNY Downstate Medical Center, with particular expertise in neuroscience, imaging, vision, and cardiovascular disease, has multiple technologies available for commercial development. The medical center is in the midst of an ambitious, borough-wide initiative to transform Brooklyn into a center for biotech research and development by providing affordable, state of the art laboratory space to local, national, and international companies. SUNY Downstate’s Biotechnology Initiative includes a Biotechnology Incubator for startups and early-stage companies, a commercial synthetic chemistry facility, and BioBAT at the Brooklyn Army Terminal for more mature companies.
The Center for Biotechnology at Stony Brook University (CFB) has a well established history of driving innovation toward commercial goals resulting in accelerated product development cycles, new employment opportunities, and increased corporate revenues. CFB investments in technology development have contributed to numerous new company startups in the pharmaceutical, biotechnology and medical device industries, while accelerating new products to the marketplace, including the V3D Colon™ virtual colonoscopy, SAFHS™ and Dynamic Motion Therapy™.

SUNY Upstate Medical University has positioned itself as a top-tier research enterprise in areas such as vision, cancer, neuroscience and stem cell research. Biomedical research conducted at SUNY Upstate’s Institute for Human Performance includes all aspects of human ability and disability, including the impact of aging, illness and injury. The outcomes of these initiatives — in terms of both medical treatment and commercialization — have the potential for worldwide impact.

The Center for Advanced Sensors and Environmental Systems (CASE) at Binghamton University brings together experts on sensor and environmental technologies from chemistry, biology, geological and environmental sciences, physics and engineering. Binghamton University has licensed an optical biosensor to engineer applications in the fields of medical diagnostics, food safety, the environment, and defense and homeland security. Among other applications, the biosensor can detect mismatches in DNA, an early predictor of cancer.

The Central New York Biotech Accelerator (CNY BAC) is a collaboration between Upstate Medical University and SUNY ESF. With room for up to 100 scientists and entrepreneurs, the Accelerator aims to bring advances in biotechnology to the commercial market. The building has unique spaces for growing companies offering wet lab workspace with chemical and bio hoods and office space. However CNY BAC is more than a building. The Accelerator will provide growth-oriented companies essential business acceleration services and access to industry specific development resources.

Find Out More About SUNY Life Sciences