



**SOUTH DAKOTA
BIOTECHNOLOGY
& LIFE SCIENCES**

SOUTH DAKOTA BIOTECHNOLOGY & LIFE SCIENCES

Entrepreneurs, small businesses and large corporations alike find that South Dakota is a great place for bioscience businesses. We have a bioscience infrastructure that includes cGMP facilities, research parks, full Laboratory Animal Research Facility and world-class health care systems. Our small size lends opportunities for collaboration that you don't find in every state. South Dakota also has a skilled and ready workforce and one of the top business climates in the nation.

ANIMAL & AGRICULTURE BIOTECH

BIOFUELS

PHARMACEUTICALS

BIO DISTRIBUTION

MEDICAL DEVICES & EQUIPMENT

RESEARCH & DEVELOPMENT

ANIMAL & AGRICULTURE BIOTECH

In South Dakota, we have a unique intersection of agriculture and biosciences. Whether your focus is animal medicine and vaccines, high value feed additives, plant biotech, functional foods and additives or transgenic animals, South Dakota is a great fit.



RESEARCH & DEVELOPMENT CAPABILITIES

Whether you're a startup company or established business looking to expand or relocate, we have all the resources you need at your fingertips. South Dakota R&D capabilities include pilot-scale cGMP and GMP facilities, small and large animal research facilities, wet labs and dry labs, as well as office space.

BIOSNTR

BioSNTR (Biosystems Networks & Translational Research) is a state-of-the-art imaging and informatics distributed research initiative with more than 30 affiliated researchers from universities and research institutions in South Dakota.

BioSNTR capabilities include:

- Pilot-scale GMP facility, greenhouse and field testing
- Large and small animal research facilities
- Gene editing, assay development, cell sorting and compound screening
- Imaging cell populations in vivo, molecules within cells, cells within tissues and molecular imaging in plants
- High performance computing

RESEARCH PARK AT SOUTH DAKOTA STATE UNIVERSITY

Located on 125 acres, the Innovation Campus Research Park at South Dakota State University will provide more than one million square feet of first-class office space, laboratories, conference rooms and greenhouse space.

GEAR CENTER

The 22,000 sq. ft. USD Graduate Education and Applied Research (GEAR) Center provides a physical location for both private sector and university research activities.

GEAR Center capabilities:

- Aseptic GMP Production and Training center provides pilot-scale cGMP services
- Specialized research suites, equipment and technical staff available to support public and private sector research activities

USD DISCOVERY DISTRICT

The 80-acre USD Discovery District is a dynamic and collaborative environment where talent, research, and innovative businesses interact to create new ideas, new technologies and new opportunities impacting the region and our world. When complete, the district will include more than 1 million sq. ft. of lab, production, science and technology, commercial and retail space.

CLINICAL RESEARCH & RESEARCH COLLABORATION:

South Dakota is home to two top-ranked hospital systems. Cutting-edge research and development at Sanford Health and Avera Health are taking aim at some of the world's most difficult diseases.

SANFORD RESEARCH



Sanford Research is comprised of several research centers, including Children's Health Research, Edith Sanford Breast Cancer, Cancer Biology, Center for Health Outcomes and Prevention, and Sanford Sports Science Institute. The goal of Sanford Research is

to become one of the premiere research institutions in the United States and world.

The Sanford Research Center has a full Laboratory Animal Research Facility (LARF) which enables the ethical, humane use of laboratory animals for research. The facility is registered with the United States Department of Agriculture (USDA), and the facility is inspected by the USDA/APHIS.

AVERA RESEARCH INSTITUTE



At Avera, they're using innovation and research to stay ahead of the curve in light of a changing environment, and changing consumer demands. Since 1998, the Avera Research Institute has been a place where health care innovations are developed and tested.

The Avera Institute for Human Genetics (AIHG) is a state-of-the-art molecular genetics laboratory with the capability to undertake a wide range of projects from small-scale pilot candidate gene projects to large-scale high throughput genome-wide association studies on tens of thousands of samples. The AIHG scientific lab houses cutting-edge genetics laboratory equipment enabling researchers to describe a patient's genetic profile.

WORKFORCE

In South Dakota, you will find an educated and ready workforce. When accounting for population, South Dakota produces the 6th highest concentration of graduates in bioscience degree-related programs.

Our university system offers five certificates, 12 associate, 48 bachelors, 26 masters and 30 Ph.D. programs in bioscience-related fields. Recently, a Laboratory Science Certificate

and Regulatory Affairs Certificate were developed in collaboration with the biotech industry to meet their workforce needs.

INCENTIVES & FINANCING

In South Dakota, we're fortunate to work cooperatively in a business climate that's second to none. Whether you're just laying the ground work or you've been around for a while, no matter your company's size, South Dakota's economic development team is ready to partner with you.

The Governor's Office of Economic Development offers an array of financing to meet the long-term and short-term needs of new and growing businesses. Whether it is working

capital or fixed-asset purchases, our programs are designed with businesses in mind.

PROOF OF CONCEPT FUND:

- Provides up to \$25,000 to conduct research demonstrating the technical and economic feasibility of an innovation
- Eligible applicants include: entrepreneurs, universities, existing South Dakota companies, or other entities committed to commercializing the results in South Dakota
- Requires a matching cash or in-kind investment of at least 10% of the total cost
- Investment proceeds may be used to pay consultant contracts, materials and supplies, salaries for employees in South Dakota, and necessary services for technical feasibility or marketing studies

NEW FRONTIERS:

- Assists companies in offsetting R&D costs, such as clinical trial costs, associated with gaining regulatory approval of products
- Companies can apply for reimbursement of sales tax associated with R&D and testing expenditures
- R&D plan and projected expenditures must be submitted with application

SOUTH DAKOTA EQUITY PARTNERS:

The Governor's Office of Economic Development works closely with South Dakota Equity Partners, a private equity investment fund that targets early and growth-stage companies that need capital to support entry into the market, expansion and development plans in South Dakota.

TAX CLIMATE

In South Dakota, businesses pay fewer taxes, often at lower rates, than in other states across the country. The South Dakota business person enjoys:

- No Corporate Income Tax
- No Personal Income Tax
- No Personal Property Tax
- No Business Inventory Tax
- No Inheritance Tax

REGULATORY CLIMATE

South Dakota boasts a reasonable and deliberate regulatory environment. When permitting, responses are quick, and government leaders are continually working to eliminate unnecessary and outdated laws that create additional red tape.

BEST ATTENDED GOVERNOR



Gov. Dennis Daugaard has made biosciences a priority. He is the BIO Convention's Best-Attended Governor, and in 2014, was recognized as the Food and Ag Governor of the Year for his commitment to strengthening the agricultural and livestock biotechnology industries.

SENATOR JOHN THUNE



The Biotechnology Innovation Organization (BIO) presented Senator John Thune its Industrial & Environmental Section Legislator of the Year Award in March of 2017, recognizing Thune for his support of the biotechnology industry and steadfast commitment to growing South Dakota's and the nation's biobased economy.

SOUTH DAKOTA

GOVERNOR'S OFFICE OF ECONOMIC DEVELOPMENT



FOR MORE INFORMATION:

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