The Vital Role of Research in Education and Patient Care An Ideal Climate for Growth South Florida South Florida is one of the nation's leading venues for World class medical centers such as the Miami Cardiac Academic excellence, world-class research capabilities and Florida Atlantic University Bioscience. Educational, governmental and economic sectors and Vascular Research Center, the Miami Heart Institute, cultural diversity characterize university life in South Florida. provide resources and support for continued growth, while Cleveland Clinic of Florida and Jackson Memorial combine Its public and private institutions educate nearly 100,000 Florida International University

"South Florida offers a rich diversity of human resources, great academic institutions, supportive government, no state income tax and a quality of life that is second to none when looking to build a biopharmaceutical business." David Gury, Chairman of the Board and CEO. Nabi Biopharmaceuticals

Did you know that some people in South Florida don't have time to play golf?

That's because they are busy delivering innovation across all sectors of South Florida's vibrant Bioscience industry. Based on a solid medical infrastructure. South Florida is home to over 1500 businesses and institutions that employ over 26,000 people and generate over \$4 billion in sales. Whether it is a genomic approach to treating prostate cancer or a proteomic analysis of Alzheimer's disease, South Florida Bioscience companies are uniquely positioned to quickly bring products to market. Through cooperative ventures between clinical providers and bioscience firms, industry is able to shorten delays and reduce expenses associated with the development of new therapeutics. The regions' strong university system supports cutting edge research in all areas of biomedicine and the licensing of promising new technologies to industry. The availability of quality education coupled with the Florida lifestyle attracts a young and vibrant workforce, ensuring continued growth of Bioscience in the region.

the regions' geographic location facilitates international development and distribution of new products and services.

Andrx Corporation, Davie

- Andrx Corporation develops and commercializes: bioequivalent versions of controlled-release brand name pharmaceuticals, using its proprietary drug delivery technologies; bioequivalent versions of specialty, niche and immediaterelease pharmaceutical products, including oral contraceptives; and brand name or proprietary controlled-release formulations of existing immediate-release or
- controlled-release drugs where it believes the application of Andrx's drug delivery technologies may improve the efficacy or other characteristics of those
- products. Andrx has distribution operations, which purchase primarily generic pharmaceuticals manufactured by third parties and sells them primarily to independent pharmacies, pharmacy chains which do not maintain their own central warehousing facilities, pharmacy buying groups and, to a lesser extent, physicians' offices.

Beckman Coulter. Inc., Miami

Beckman Coulter, Inc. is a leading provider of instrument systems and complementary products that simplify and automate laboratory processes. From integrated laboratory automation solutions to centrifuges and blood analyzers to diagnostic rapid-test kits, the company's products are used throughout the world in all phases of the battle against disease. Annual sales for the company totaled \$2.06 billion in 2002. Beckman Coulter has offices in 130 countries around the world.

Boston Scientific Corporation, Miami

The world's largest medical device company dedicated to less-invasive therapies. The Company's products and technologies are designed to reduce risk, trauma, cost, procedure time and the need for aftercare. The Miami Operation employs almost 1150 employees in a flexible, informal, and innovative workplace that rewards diversity, entrepreneurial spirit, and intellectual curiosity.

Cordis Corporation, Miami Lakes

Johnson & Johnson's subsidiary. The company develops products to treat circulatory system diseases including guidewires, balloons, catheters, and stents to treat a variety of circulatory system problems such as coronary artery disease and cerebral aneurysms.

GMP Companies, Inc., Ft. Lauderdale

Acquires, develops and commercializes novel pharmaceutical, medicaldiagnostic and medical-device technologies. To better serve innovators, GMP strives to couple the finest attributes of large pharmaceutical and medical technology companies with the agility and versatility of small companies. GMP's mission is Helping Medical Discoveries Help People®...Worldwide.

Goodwin Biotechnology, Plantation

A fully integrated cGMP-compliant cell culture contract manufacturer of monoclonal antibodies and recombinant proteins for preclinical and Phase I/II clinical trials. With over 17 years of experience, GBI's services span the spectrum from creation of fully qualified Master and Working Cell Banks, upstream and downstream cell culture manufacturing process development, cGMP manufacture of cell culture products, conjugation, to final fill.

with leading companies to provide a fertile environment for Bioscience discovery and product commercialization.

IVAX Corporation, Miami

IVAX Corporation is a multinational company engaged in the research, development, manufacturing and marketing of branded and generic pharmaceuticals in the U.S. and internationally. It is well known that IVAX is one of the leading generic companies in the world. It is less well known that IVAX is a significant proprietary pharmaceutical company as well. IVAX has over 700 scientists working on drug research and can take a drug from earliest discovery through to marketing approval.

Nabi Biopharmaceuticals, Boca Raton

Discovers, develops, manufactures and markets products that power the immune system to help people with serious, unmet medical needs. Products include Innovative vaccines and antibody-based therapies that prevent and treat infectious, autoimmune and addictive diseases, such as Staphylococcus aureus and hepatitis infections. ITP, and nicotine addiction. Dedicated to quality, values, integrity, ethics and the "Nabi Way"

Noven Pharmaceuticals, Miami

A leader in the development of advanced transdermal drug delivery technologies, Noven has developed a series of groundbreaking products, like the nation's first two-drug transdermal patch (CombiPatch®) and the world's smallest estrogen patch (Vivelle-Dot®), currently the most dispensed estrogen patch in the U.S. Noven participates primarily in the global market for hormone replacement therapies (HRT), particularly therapies indicated for the treatment of menopause. Noven's strategy, however, is to diversify beyond HRT by expanding both its product offerings and its strategic collaborations with other pharmaceutical companies

Sunol Molecular, Inc. Miraman

Sunol Molecular Corp. in operation since 1996, has developed therapeutic recombinant antibodies for cancer, cardiovascular, anti-inflammatory, and infectious diseases. Several of these drug candidates are in clinical trials. Sunol is using its antibody development platform to partner with other companies and bring new therapies to market.

TransDermal Technologies, Inc., Lake Park

TTI has developed and patented TDS(R), a first-of-its-kind patchless, liquid spray-on transdermal delivery system for drugs, hormones and other pharmaceuticals. TTI has commercialized TDS(R) in several applications including hormone replacement and analgesia and is seeking to license TDS(R) to pharmaceutical marketing partners.

Viragen. Plantation

Viragen is a biotechnology company specializing in the research, development and commercialization of natural and recombinant protein-based drugs designed to treat a broad range of viral and malignant diseases. These protein-based drugs include natural human alpha interferon, monoclonal antibodies, peptide drugs and therapeutic vaccines. Viragen's strategy also includes the development of Avian Transgenic Technology for the large-scale, cost-effective manufacturing of its portfolio of protein-based drugs, as well as offering Contract Manufacturing for the entire biopharmaceutical industry.

undergraduate and graduate students each year, serving South Florida's population of over 5 million citizens as well as thousands of others who travel from four corners of the globe to enjoy all that the region has to offer. Over 2500

research projects are currently underway at South Florida universities, with over \$300 million in awards.

Nova Southeastern University

Palm Beach Atlantic University University of Miami

South Florida Research Centers at the Heart of Innovation

- Advanced Materials Research Institute ALS Clinical Research Center
- Bascom Palmer Eye Institute Behavioral Medicine Research Center
- The Brain Institute (Partner with Miami Children's Hospital)
- Cardiovascular Engineering Center Center for Biomedical and
- Marine Biotechnology Center for Blood Diseases
- Center for Complex Systems and Brain Science
- Center for Molecular Biology and Biotechnology

- Center for Liver Diseases Center for Research in Medical Education
- Center for Treatment Research on Adolescent Drug Abuse
- Comprehensive AIDS Program • Comprehensive Pain and
- Rehabilitation Center Diabetes Research Institute
- Drug Abuse and AIDS Research Center
- Ear Institute Florida Center for Analytical
- Electron Microscopy
- Gene Chip Core Facility
- International Forensic Research Institut

- Institute for Women's Health
- Mailman Center for Child Developmen Manufacturing Research Center
- Miami Project to Cure Paralysis National Parkinson's Foundation
- Rosenstiel School of Marine and Atmospheric Science
- Sleep Disorders Center
- Southeast Environmental Research Center
- Sylvester Comprehensive Cancer Center
- Touch Research Institute
- Vascular Biology Institute
- · William Lehman Injury Research Center

Although we have numerous research centers around the world, we direct all of our biotechnology and other research out of Miami. South Florida is a uperior environment for our research due to its thly supportive business environment and excellent versity and institutional research centers."

> Rao Uppaluri, Treasurer and Vice President

Strategic Planning, IVAX Corporation



"Bioheart, Inc. focuses on heart muscle regeneration and we chose to locate in Weston as it is a great place to live and work. It offers a great ombination of low cost of living with many choices for entertainment nd outdoor activities, excellent schools and safe neighborhoods. And the region is very pro- business. Support from local government agencies and ity, county and state officials has been outstanding. We are very proud to ave been part of South Florida since 1984, and we intend to stay." Howard Leonhardt, Chairman and CEO, Bioheart

South Florida provides fertile ground for all sectors of the Bioscience industry.

- Medical laboratories
- Pharmaceutical preparations
- X-ray laboratory, including dental
- Surgical and medical instruments
- Testing laboratories
- Ultrasound laboratory
- Surgical appliances and supplies
- Pathological laboratory
- Orthopedic appliances
- Prosthetic appliances

- Diagnostic substances • Dental equipment and supplies
- Vitamin, nutrient, and hematinic
- preparations for human use
- Medical instruments and equipment, blood and bone work
- Diagnostic apparatus, medical
- Vitamin preparations • Vitamins, natural or synthetic: bulk,

uncompounded

- Blood analysis laboratory
- Dental equipment
- Medicinals and botanicals
- Neurological laboratory
- Biological laboratory
- Dental materials
- Limbs, artificial
- Dermatologicals

Legislators with a shared commitment

For the past two years, the Biotechnology Industry Organization (BIO) has named Florida legislators as "Legislator of the Year".

- U.S. Rep. Mark Foley named Biotechnology Industry Organization's State Legislator of the Year, 2003
- State Senator Ron Klein named Biotechnology Industry Organization's State Legislator of the Year, 2002

"South Florida is a growing region of international trade and commerce, and more than 110 of the Fortune 500 companies have regional headquarters in South Florida. Furthermore, some of the finest health care facilities and specialists in the world are located here. Three international airports located in South Florida enable convenient travel both within the U.S. and worldwide, facilitating business growth on a global level."

Scott Mohrland, Ph.D.,

Senior Vice President, GMP Companies

The South Florida Bioscience Consortium is a collaborative, regional effort whose mission is to ensure sufficient human and investment resources exist to encourage and support the commercialization of bioscience products and the development of the bioscience industry in South Florida (Broward, Miami-Dade & Palm Beach Counties). The growth of our industry will make a huge difference for our region as we proceed into the 21st century.

> Mel Rothberg Chairman, South Florida Bioscience Consortium



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