

# Science and Technology

## Project Experience



**GAUDREAU, INC. HAS BEEN PROVIDING** comprehensive design services for state-of-the-art medical and non-medical research and development facilities for the public and private sector for over 40 years. These services have resulted in science and technology facilities for research, teaching and manufacturing facilities. Gaudreau's staff of design professionals has successfully managed the programming, planning and design of research and teaching laboratories for colleges and universities and leading biotechnology and pharmaceutical companies, as well as public/government institutions such as the USACE, Food and Drug Administration, the National Institutes of Health and the Drug Enforcement Administration.

Gaudreau, Inc. has designed facilities encompassing containment operations through BSL-3 and clean rooms (class 1000 through 100,000) in research, manufacturing and bio-production facilities. Our experience in serving the life science industry, and in particular, working with emerging growth companies, has provided us the unique insight to assist developers in creating speculative or build-to-suit fit-outs for this market sector. We understand the critical balance between designing flexible buildings and meeting investment demands. We follow R&D trends and have complimented our experience with significant work in biodefense facility design which includes BSL-2 and BSL-3 containment.

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## Project List

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A detailed listing of our science and technology project experience is as follows:

### **Advanced Bioscience Laboratories, Inc.**

*Rockville, Maryland*

- CGMP manufacturing facility

### **Alexandria Real Estate Equities, Inc.**

*Gaithersburg, Maryland*

- Research Facilities
- Real Estate Due Diligence

### **Alpharma US Pharmaceuticals**

*Baltimore, Maryland*

- Long range programming and master planning for Baltimore division including administration, quality control and assurance laboratories, and cGMP product production for their 240,000 sf plant

### **American Type Culture Collection**

*Rockville, Maryland*

- Aseptic Dispensing Laboratory
- Facility Assessment

### **Baltimore City Community College**

*Baltimore, Maryland*

- Life Sciences Technology Academic Training Center
- Life Sciences Institute at UMB BioPark

### **Baltimore District, Army Corps of Engineers**

*Aberdeen Proving Ground, Maryland*

- Life Sciences/Toxicology Research Facility
- Chemical Waste Processing Facility
- Berger Research Laboratory

### **Bethesda Research Laboratories/Life Technologies, Inc.**

*Gaithersburg, Maryland*

- Campus Masterplanning
- Facility/Strategic Planning

- Laboratory Renovations
- Corporate Office Renovations
- Genetic Engineering Research and Development Complex Design

### **B.I. Vetmedica**

*St. Joseph, Missouri*

- Campus Masterplan
- Facility/Strategic Planning
- Developmental Research Building

### **Bioport**

*Lansing, Michigan*

- Conceptual design study for anthrax vaccine production facility

### **Biosys, Inc.**

*Columbia, Maryland*

- Research and Development Facility
- Production Plant

### **Biotransplant, Inc.**

*Gaithersburg, Maryland*

- Research Facilities

### **Blanchette Rockefeller Neuroscience Institute**

*Rockville, Maryland*

- Research Laboratory Facilities

### **Bristol Meyers Squibb**

*Wallingford, Connecticut*

- Conversion of existing animal laboratory into BSL-3 laboratory

### **Cambrex Bioscience, Inc.**

*Baltimore, Maryland*

- Campus masterplan for the expansion of their biological production facility in Baltimore, Maryland; in conjunction with the Johns Hopkins Hospital campus masterplan

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### **Celera Genomics, Inc.**

*Gaithersburg, Maryland*

- Strategic Facility Planning
- Research and Development Facilities

### **Chesapeake Division of NAVFAC, Naval Surface Warfare Center**

*Dahlgren, Virginia*

- Weapons Systems Development Laboratory

### **Ciena Corporation**

*Linthicum and Savage, Maryland*

- Masterplan
- Facility/Strategic Planning
- Research and Development Facilities
- Manufacturing Facilities
- Corporate Headquarters Facilities

### **City of Baltimore, Abell Foundation**

*Baltimore, Maryland*

- Life Sciences Center

### **Cornell University**

*Ithaca, New York*

- Research Laboratory and Kennel Facility

### **Diacrin, Inc.**

*Cambridge, Massachusetts*

- Site Selection
- Facility Programming

### **DPT Laboratories, LTD**

*San Antonio, Texas*

- Strategic Facility Planning

### **ExonHit Therapeutics**

*Gaithersburg, Maryland*

- Research Facility

### **Emergent Biosciences**

*Gaithersburg, Maryland*

- CGMP manufacturing facility

### **Food and Drug Administration**

*Various Locations*

- Biological Laboratory/Animal Research Facility Renovations - Beltsville, Maryland
- District Laboratory Renovations - Winchester, Massachusetts
- District Laboratory Facility - Los Angeles, California

### **Genetic Therapy, Inc. (a subsidiary of Novartis)**

*Gaithersburg, Maryland*

- Facility/Strategic Planning
- Research and Development Facilities
- Corporate Headquarters Facility

### **GenVec, Inc.**

*Rockville, Maryland*

- Bio-pharmaceutical Research and Development Facility

### **Gibco Laboratories/Life Technologies, Inc.**

*Grand Island, New York*

- Masterplan
- Facility/Strategic Planning

### **Glaxo-SmithKline Beecham**

*Owings Mills, Maryland*

- Bioscience Clinical Laboratory

### **Guilford Pharmaceuticals, Inc.**

*Baltimore, Maryland*

- Masterplan
- Facility/Strategic Planning
- Research and Development Facilities
- Production Facilities
- Corporate Office Facilities

### **Hemagen, Inc.**

*Research Triangle, North Carolina*

- Site Selection
- Facility Programming

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### **Human Genome Sciences, Inc.**

*Rockville, Maryland*

- Strategic Facility Planning
- Administration/Lab Facilities and Animal Research Modules
- Gene Sequencing Facility
- Template Sequencing Facility
- cGMP Pilot Plant
- Quality Building
- Three Building Research Campus, Trville Campus
- Multiple Vivarium Facility Renovations

### **IGEN International, Inc.**

*Gaithersburg, Maryland*

- Production Facility

### **IOMAI**

*Gaithersburg, Maryland*

- Corporate Offices and Laboratory
- cGMP compliant plant for Phase I and II clinical trials for their vaccine and patch technologies delivery systems

### **Johns Hopkins University**

*Baltimore, Maryland*

- Preclinical Teaching Facility

### **Johns Hopkins University, Applied Physics Laboratory**

*Laurel, Maryland*

- Administration Center and Reception Area Renovations and Additions

### **Johns Hopkins University, School of Medicine**

*Baltimore, Maryland*

- Programming and Schematic Design for Alterations
- Bloomberg School of Health Central Cage Wash Renovations
- Brain Science Institute and Department of Neurology
- Department of Physiology

### **Kirkegaard & Perry**

*Gaithersburg, Maryland*

- Site Selection
- Facility Programming

### **LAB Pharmaceutical Services Company**

*Owings Mills, Maryland*

- Site Selection
- Facility Programming

### **Large Scale Biology, Inc.**

*Gaithersburg, Maryland*

- Research and Development Facility

### **Leiner Health Products**

*Orange County, California*

- Preliminary programming and building assessment for the conversion of an existing building into a cGMP compliant solid dosage pilot plant

### **Life Technologies, Inc.**

*Frederick, Maryland*

- Strategic Facility Planning and Masterplan Update
- Administration Facilities
- Production Facilities

### **Lonza Biologics, Inc.**

*Portsmouth, New Hampshire*

- Biological Production Facility
- Strategic Facility Planning
- Programming and design of a 270,000 sf contract manufacturing facility, including 20,000 liter scale bioreactors, four purification suites, quality control labs and administrative areas

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### **Magainin Sciences, Inc.**

*Philadelphia, Pennsylvania*

- Research and Vivarium Facility

### **Maryland Economic Development Corporation**

*Rockville, Maryland*

- Maryland Technology Development Center

### **McCormick & Company, Inc.**

*Hunt Valley, Maryland*

- Research and Development Tech Center Renovations and Expansion - Flavor Division

### **Medigene, Inc.**

*Various Locations*

- Clinical Research Laboratory Facilities - Philadelphia, Pennsylvania; Yonkers, New York; Tampa, Florida

### **MedImmune, Inc.**

*Various Locations*

- Corporate Headquarters, Research and Development Facilities - Gaithersburg, Maryland
- cGMP Pilot Plant - Gaithersburg, Maryland
- Manufacturing Expansion - Gaithersburg, Maryland
- Manufacturing Support Center - Frederick, Maryland

### **Meso Scale Diagnostics**

*Gaithersburg, Maryland*

- Manufacturing facility

### **Molecular Oncology, Inc.**

*Gaithersburg, Maryland*

- Clinical Research Laboratories

### **Molecular Tool, Inc.**

*Baltimore, Maryland*

- Strategic Planning
- Facility Programming
- Research and Testing Laboratory

### **National Institutes of Health**

*Various Locations*

- 20-year Masterplan - Bethesda and Poolesville Campuses, Maryland
- Programming for Biomedical Laboratories - Bethesda and Poolesville, Maryland; Hamilton, Montana
- Research Facility/Vivarium Renovation

### **NeuroLogic, Inc.**

*Washington, DC*

- Strategic Facility Planning

### **New Horizons**

*Columbia, Maryland*

- Strategic Planning
- Facility Programming
- cGMP Manufacturing Facility

### **Nexttran**

*Princeton, New Jersey*

- Animal Breeding Production Facility

### **North American Biologics, Inc.**

*Various Locations*

- Facilities Evaluation - Rockville, Maryland
- cGMP Biologics Manufacturing Facility - Boca Raton, Florida

### **OraVax, Inc.**

*Cambridge, Massachusetts*

- Research Facilities

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### **Osiris Therapeutics, Inc.**

*Various Locations*

- Headquarters/Research Center and Expansion - Baltimore, Maryland
- cGMP Pilot Plant - Baltimore, Maryland
- Quality Control Lab - Baltimore, Maryland
- Biological Research Facility, Case Western Reserve University - Cleveland, Ohio
- Biological Production Facility, Case Western Reserve University - Cleveland, Ohio

### **Otsuka Pharmaceutical, Ltd**

*Montgomery County, Maryland*

- Masterplan
- Maryland Research Laboratory
- Clinical Research Facility and Headquarters for East Coast Operations

### **Qiagen**

*Germantown, Maryland*

- Campus masterplanning and programming

### **Pharmacia**

*Columbia, Maryland*

- Corporate Office/Research and Development Facility

### **PharmaGenics, Inc.**

*Allendale, New Jersey*

- Research and Development Facilities

### **Pharmavene, Inc.**

*Gaithersburg, Maryland*

- Biomedical Research and Development Facilities

### **Rangos Research Building**

*Baltimore, Maryland*

- Research Facilities

### **Receptor Biology, Inc.**

*Beltsville, Maryland*

- Strategic Facility Planning

### **Rodel, Inc.**

*Newark, Delaware*

- Strategic Facilities Planning

### **Shire Pharmaceuticals, Inc.**

*Rockville, Maryland*

- Research Facility Renovations
- Administrative, quality control laboratory and cGMP manufacturing facility expansion of the original plant designed by Gaudreau. Completed a campus masterplan for the acquisition parcels and projected masterplan development concepts

### **Sterisure, Inc.**

*Germantown, Maryland*

- Research and Development Facility

### **Tegeris Laboratories, Inc.**

*Laurel, Maryland*

- Toxicology Research and Testing Facility

### **The Institute for Genomic Research**

*Rockville, Maryland*

- Campus Masterplan
- Four Laboratory Buildings
- Administration Building
- Pavilion
- Building 5 NIH Submission

### **University of Maryland at Baltimore**

*Baltimore, Maryland*

- Medical School Teaching Facility

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### **University of Maryland Baltimore County**

*Baltimore, Maryland*

- Behavioral Sciences Laboratory/ Classroom Facility
- Technology Center Feasibility Study

### **University of Maryland BioPark**

*Baltimore, Maryland*

- Building 2

### **University of Virginia**

*Charlottesville, Virginia*

- Emerging Technology Center
- Medical School Research Facility

### **University of Virginia Medical School**

*Charlottesville, Virginia*

- Programming and conceptual planning study for the creation of a multi-product cGMP pilot plant for diagnostic and therapeutic biologics

### **US Drug Enforcement Agency**

*Sterling, Virginia*

- Regional Testing Facility

### **Virginia Tech**

*Blacksburg, Virginia*

- BioInformatics Building

### **Wake Forest Baptist Medical Center**

*Winston-Salem, North Carolina*

- Research Facility

### **West Virginia University**

*Morgantown, West Virginia*

- Campus-wide Vivarium Masterplan
- Multi-story Rodent Barrier Facility

### **Wyeth-Lederle Vaccines and Pediatrics**

*Sanford, North Carolina*

- Development Laboratory Expansion
- cGMP Pilot Plant
- Laboratory Renovations