

Martin Farach, AIA, LEED AP

Senior Laboratory Programmer/Planner



Mr. Martin Farach, AIA, LEED AP, has over 21 years experience in providing project management for life sciences facilities and ensuring that detail designs satisfy all applicable technology requirements. He performs complex planning, programming, research and project development assignments demanding unique contributions. Martin specializes in assisting clients with the planning, programming and execution of their lab/office needs by providing solutions that communicate clearly the overall scope of the project and allow a fast track implementation of the project with minimal financial exposure.

Curriculum Vitae

Education:

Bachelor of Architecture, Structures Specialization, Texas Tech University

Registration:

Registered Architect, California

LEED Accredited Professional

National Council of Architectural Registration Board

Publications:

Protocols Drive Lab Upgrades to BSL-3 Status, Lab Design Newsletter, July 2005

Driving Forces, Challenges in Designing Lab Protocols for CDC/ APHIS Registration, ASHE Magazine, Jan.-Feb. 2007

Years of Experience:

21

**Completed project while with a previous design firm.*

Relevant Projects

Affymetrix, Inc.

Manufacturing Building Expansion

Lab Planner/Programmer. A 110,000 SF expansion was designed for the existing 52,000 SF facility. This expansion included a new shell, interiors and support systems. *West Sacramento, California*

Bayer Corporation

Lab Planner/Programmer. 136,000 SF facility provided space to consolidate its current facilities dispersed in different buildings. *Emeryville, California**

Bayer Diagnostics

Strategic Facilities Planning and Program Management Services

Facilities Planner/Project Manager. Execution of several capital projects to accommodate approximately 220 people currently dispersed at several locations. *Emeryville, California**

Baylor University Medical Center

Baylor Research Institute Institute of Immunology Research

Sr. Lab Planner. HDR provided multipleservices including a facility-utilizationstudy, long-range facility plan and specific schematic designs for separate building renovations to create a cGMP, FDA certified cleanroom for pancreatic islet cell processing, and four cleanrooms. Schematic design studies were also developed for a prototype, site adaptable, stand-alone, modular, cGMP FDA-certified clean manufacturing facility. *Dallas, Texas*

Becton Dickinson

Reagent Manufacturing Expansion

Lab Planner/Programmer. Provided programming and schematic design services for the reconfiguration of approx. 5,000 GSF of operations, and its expansion into an additional 3,000 GSF. The services included in identifying the phasing execution of the project to minimize impact to their current operations. *San Jose, California**

California Institute of Technology Beckman Institute

Lab Planner/Programmer.. 163,000 SF of labs for biology and chemistry research, computational, neurology, and applied physics. *Pasadena, California**

cGMP Islet Cell Production Facility

Baylor Institute of Immunology Research

Sr. Lab Planner. Provided planning and design services for the execution of the construction of this facility. The project consisted in the programming and preparation of a fit plan within an existing building. *Dallas, Texas*

Chiron Corporation

Life Sciences Center

Sr. Facilities Planner Building 4 280,000 SF lab research building. *Emeryville, California**

**Chiron Corporation
Vivarium Program**

Sr. Facilities Planner. Evaluation of their longterm needs and design/plan the 5,000 GSF expansion next to their current facility.
*Emeryville, California**

**Chiron Corporation
Planning for Growth Briefing**

Sr. Facilities Planner. The report segregated the three different space functions (office, R&D, and manufacturing) and outlined its forecast accordingly to its demand drivers.
*Emeryville, California**

**Chiron Corporation
Emeryville Facilities Rationalization Plan**

Sr. Facilities Planner. Flexible facility disposition plan for approval to mitigate the financial impact of a new 280,000 SF R&D facility.
*Emeryville, California**

**Chiron Corporation
Emeryville Strategic Facilities Plan**

Sr. Facilities Planner. Confirm and identify facilities needs aligned with the new business goals is a basic requirement for the planning and allocation of financial resources.
*Emeryville, California**

**Department of Veterans Affairs
Research Facilities Physical
Infrastructure Assessment**

Sr. Lab Planner. The goal of this assessment is to provide an independent, detailed, and documented review of research

physical infrastructure conditions and their suitability for conducting current and projected types of research. The research space to be evaluated includes five distinct types of research: biomedical lab research with bio-containment capabilities (BSL-2 and BSL-3), vivaria, clinical science research, health services research, and rehabilitation research. Other spaces include any supporting space and office spaces adjoining lab spaces. The size of the research programs varies between less than \$1 M to more than \$15 M in annual VA research funding. Also the amount of research space varies between less than 10,000 NSF to more than 100,000 NSF.
Nationwide

**Mayo Clinic DLMP
Campus Facilities Master Planning**

Sr. Lab Planner/Programmer. High volume clinical labs, esoteric and low volume clinical labs, development labs, cGMP cell production facilities, BSL-3 labs supporting the 'Select Agents' program, BSL-3 labs for vector production, reference testing labs, trace metal labs, histology, and operational support spaces such as media services, accessioning, storage, shipping/receiving.
Rochester, Minnesota

**Mayo Clinic DLMP
Superior Drive Facilities Master Plan**

Sr. Lab Planner/Programmer. Development of a 284,000 GSF facility master plan to provide a systematic phased occupancy and building systems growth, a modular lab design for flexible conversion of low

volume to high volume or vice versa, and a tactical use of the building illustrating process, materials, and personnel flow within the building.

Rochester, Minnesota

**USDA Agricultural Research Services
National IDIQ Contract**

Sr. Lab Planner/Programmer. HDR has been assisting USDA since 2003 with Task Orders. Most task orders include new construction and upgrade of BSL-1 and 2 lab spaces, media facility, walk-in cold rooms, growth, tissue culture, and darkrooms; technology transfer and admin spaces; structural system to meet seismic code; all HVAC/VAV systems; telecom, physical security, elevators; landscaping; and incorporation of barrier free access standards.

Various Locations, Nationwide

**University of California, Davis
Building J1 Renovation & Upgrade**

Sr. Lab Planner/Programmer. Approximately 1,130 assignable SF is for BSL-3 lab space in the north wing, 1,550 GSF will involve the renovation of existing animal holding and containment rooms, 1,550 GSF will involve renovation of the existing attic space for HVAC equipment, and 1,000 GSF will be new construction for a secondary exterior corridor system surrounding the existing construction on all three sides.

Davis, California