



*Sutter Institute for
Medical Research*

A Sutter Health Affiliate

With You. For Life.

sutterresearch.org

Sutter Institute for Medical Research

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Sutter Institute for Medical Research Research and Training Laboratory



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A Premier Research And Training Laboratory

The Research and Training Laboratory Program at the Sutter Institute for Medical Research (SIMR) in Sacramento is affiliated with Sutter Health, one of the largest health care organizations in California. For more than 50 years, Sutter has provided this premier program in advanced medical and surgical technology to health care professionals and the biomedical industry.

The SIMR laboratory is recognized for its excellence and offers highly trained professional staff, including full-time research specialists and state-of-art surgical facilities that consistently exceed the standards for accreditation set by the United States Department of Agriculture and the Association for Assessment and Accreditation of Laboratory Care International. SIMR takes great pride in providing high quality, cost effective services, and our turn-around time is unmatched by academic centers.

Our program is designed to meet the specific requirements of health care professionals, biomedical technologists, and research scientists who require a sophisticated surgical research or educational laboratory setting. SIMR works closely with each client to offer comprehensive programs customized to meet their needs. In collaboration with many of these leading medical technology companies and health care organizations, more than 12,000 physicians, nurses and technicians from throughout the U.S. and worldwide have participated in research and training at SIMR over the last 20 years.



Accomplishments

- The Smeloff-Cutter heart valve and the formation of the Sutter Heart Institute
- The first Extracorporeal Membrane Oxygenation (ECMO) service for neonates in Northern California
- Training in the latest Neo-Natal Advanced Life-Support (ALS) techniques
- Development of exact-fitting, custom hip prostheses for hip replacement, from which Sutter began the Sutter Orthopedic Institute
- Extensive endosurgical training and development programs resulting in the establishment of the Sutter Center of Progressive Endoscopy (SCOPE)
- ROBODOC, the world's first orthopedic surgical robot
- Development of cryoablation technology to treat patients with liver cancer
- Training for physicians and support personnel on the da Vinci Surgical Robotic System
- Collaboration with industry in the development of minimally invasive treatments for aortic valve disease and the treatment of mitral regurgitation
- Routine participation and collaboration in the development of new intravascular (cardiac, neuro, peripheral) devices and procedures including stents, wires, catheters, coils, cardiac electrophysiology, PFO closure, ICE and IVUS imaging, etc.
- Regular training and ongoing development for numerous new and established medical procedures and technologies including:
 - endoscopic instrumentation and imaging
 - orthopedic and spine surgery instrumentation and procedures
 - ultrasound imaging
 - hemostatic agents
 - treatment for chronic sinusitis
 - prostate surgery
 - sleep apnea and snoring
 - tissue sealing technology
 - microwave and RF tumor ablation
 - obesity treatment



Capabilities

The laboratory provides fully equipped and staffed surgical research and training facilities. Capabilities include, but are not limited to:

- Surgical
 - Endoscopic
 - Cardiovascular
 - Spine
 - Orthopedics
 - Gastrointestinal
 - Laser
 - Cryo Technologies
 - Robotic
 - Dermatologic
 - Reproductive
 - Urinary
- Interventional Cardiology, Neurovascular and Peripheral Vascular
- Fluoroscopy
 - GE/OEC 9900 Elite Cardiac C-arm
 - GE/OEC 9600 Cardiac C-arm
- Ultrasound Imaging for intracardiac, intravascular, transthoracic, transesophageal, peripheral vascular capabilities
- CT Imaging
- Emergency Medical Procedures
- Extracorporeal Membrane Oxygenation (ECMO)
- Electrophysiology
- Major training support
 - Didactic or “hands-on” training with wet and dry lab capabilities
 - Conference rooms
 - Video Conferencing
- Because of our affiliation with the Sutter Health System, we have access to advanced resources which can be inquired upon per the needs of a study.

Working With Industry

The nation’s leading medical device companies, as well as countless startups, have found the SIMR laboratory to be a convenient, valuable and economical resource for conducting research and development, and for training personnel. SIMR provides fully equipped surgical laboratories, a variety of animate and inanimate models and highly trained technical and professional staff. Safeguards are established to ensure the confidentiality of all proprietary information, and we work diligently with our clients to minimize costs while maximizing the use of laboratory resources and facilities. Studies are designed and scheduled to meet the needs of the investigators with very short turn around time by industry standards.

Working With The Medical Community

Sutter Institute for Medical Research is an experienced provider of specialized programs for medical professionals, surgery teams and support staff. These programs are designed according to their specific needs. Proctoring programs are also available to assist physicians in meeting credential requirements.

Clinical Research

In addition to Pre-Clinical Laboratory Services, the Sutter Institute for Medical Research also provides Clinical Research Support Services. These services include assistance with creating and writing study protocols, budgets and contracts, IRB document submission, coordination of clinical studies, and assistance with setting up a regional research office.

