



GST Medical Division

Capabilities

- Experience spanning research, design, manufacturing, preclinical testing, clinical trials, marketing, and fundraising.
- Strategy, technical, and regulatory consulting services.
- Testing services in ISO 13485-certified laboratories.
- Dr. Cheng received a B.S.E. in Biomedical Engineering and Electrical Engineering from Duke University, and M.S. and Ph.D. degrees in Mechanical Engineering from Stanford University.
- Dr. Cheng is an Adjunct Professor of Vascular Surgery at Stanford (vascular.stanford.edu), Director of the Vascular Intervention Biomechanics & Engineering (VIBE) lab (vibelab.stanford.edu), and President of Cardiovascular Implant Durability Inc. (cvidconference.org).

Cardiovascular Device Consulting

GST provides creative solutions in the fields of science, technology, engineering, and cardiovascular device consulting. For 30 years, GST has provided intelligent solutions to our public and private sector customers, distinguishing GST as a leader and bringing our clients efficient, state-of-the-art science and technology services. An important part of our growing business is our Medical Division, which focuses on medical device consulting in the areas of device durability, biomechanical compatibility, medical image processing, cadaver evaluation, clinical research, and regulatory strategy. We have served dozens of companies from startups to blue chips, assisting with medical device development from pre-design freeze to regulatory approval to post-market evaluation. Our medical research and technology experience, combined with our broader science expertise and stable company infrastructure, makes us an ideal teammate.

Medical Device Experience: GST's Medical Division focuses on the cardiovascular device industry, providing strategy, technical, and regulatory consulting services, as well as testing services in ISO 13485-certified laboratories.

Our medical division is led by GST's President and Chief Executive Officer, Dr. Christopher Cheng, who has 20+ years of experience as a leader in industry and academia. He has a strong understanding of the grant review process and has served as a technical consultant for industry and government agencies. In academia, Dr. Cheng is the preeminent expert in vascular motion, with over 100 publications including *Handbook of Vascular Motion* (PROSE Book Award Nominee, <https://www.elsevier.com/books/handbook-of-vascular-motion/cheng/978-0-12-815713-8>), the only book devoted to how blood vessels move. He is also an Adjunct Professor of Vascular Surgery at Stanford, Director of the Vascular Intervention Biomechanics & Engineering (VIBE) lab (vibelab.stanford.edu), and President of Cardiovascular Implant Durability Inc. (cvidconference.org), a non-profit organization leading the effort to improve durability of medical devices.

Science Experience: GST also has expertise in basic and applied science and cross-disciplinary research. Our experience spans multiple stakeholders including government, university, and industry partners. GST provides all levels of scientific expertise and support in the federal research and development laboratory environment. Major clients include NASA's Goddard Space Flight Center, NASA Science Mission Directorate, and NOAA, providing services ranging from high-level basic and applied research and program management support to scientific software system development. GST personnel possess deep technical expertise with >50% of employees holding at least a Master's degree and 25% holding doctorates.

Corporate Stability: Our medical research and science expertise are augmented by our stable company infrastructure. GST offers a Defense Contract Management Agency (DCMA)-approved accounting system and an externally audited process and quality management system. This solid infrastructure has enabled GST to successfully manage subcontractors, universities, and consultants on integrated teams. For example, on our SciTech and ProTech Satellite 1.0 and 2.0 contract vehicles, GST has performed more than \$320M across 22 task orders while managing 193 subcontractors and consultants.