



# Haiping Hao

## Core Lab Director

University of Texas Medical Branch  
Galveston

---

### *Instrument Reagent Rental Experience in a Core Lab*

I will describe considerations that went into the decision to use reagent rental to acquire Element Biosciences AVITI sequencer and how the agreement worked two years into the three-year agreement term. The take away is that a well thought out reagent rental agreement can be an effective option for acquiring capital equipment for core research facilities.

---

### Speaker Bio

Dr. Haiping Hao is the Director of the Next Generation Sequencing and Molecular Genomics Cores and an Assistant Professor in the Department of Biochemistry and Molecular Biology at the University of Texas Medical Branch (UTMB). With over three decades of experience in molecular biology, genomics, and core facility management, Dr. Hao has dedicated his career to advancing high-throughput sequencing technologies and enabling cutting-edge research. Dr. Hao's professional journey spans academic and industry. He has held research and leadership positions at prestigious institutions including Yale University School of Medicine, Thomas Jefferson University, and Johns Hopkins University School of Medicine, where he served in senior roles managing deep sequencing, transcriptomics, and microarray cores. In industry, he contributed as Principal Scientist and Associate Director of Sequencing at ReOpen Diagnostics LLC.

At UTMB, Dr. Hao leads the NGS and Molecular Genomics Cores, providing expertise in experimental design, next-generation sequencing, and bioinformatics analysis. His work emphasizes implementing novel technologies to keep UTMB's core facilities at the forefront of research capabilities. He has contributed to multiple NIH- and DARPA-funded projects, with research spanning viral pathogenesis, cancer biology, and stem cell differentiation. Dr. Hao is an active educator, delivering lectures in courses such as Molecular Biology and Genetics, Microbiology, and Pathophysiology, and continues to mentor students and researchers in advanced molecular genomics. Throughout his career, Dr. Hao has combined scientific rigor, innovative thinking, and collaborative leadership to support transformative discoveries across the biomedical research community.