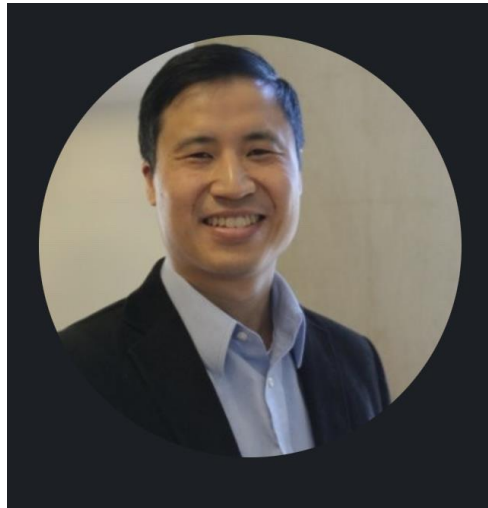


*NSF NANOSCALE SCIENCE AND ENGINEERING GRANTEES CONFERENCE:  
NANO AND AI CONVERGENCE  
DECEMBER 9-10, 2024*

**“History of Biomedical Research Data Sharing: Object Lessons and Cautionary Tales”  
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Director, Research Data Governance and Privacy  
Stanford University



**Bio:** Scott Edmiston, JD, CIPP/US, is the Director of Research Data Governance and Privacy for Stanford University. He serves as a subject matter expert in data governance for the conduct of research domestically and internationally, providing stakeholders. Prior to Stanford, Scott was responsible for driving privacy and security solutions at Harvard Medical School enabling data sharing for its clinical and translational science center and department of bioinformatics. He is dedicated to building robust data sharing infrastructures supporting open science frameworks and FAIR principles across disciplines and technologies. Early in his career, he conducted HIPAA Privacy Rule investigations as a privacy specialist for the U.S. Department of Health and Human Services Office for Civil Rights.

**Abstract:** Data sharing infrastructures and AI/ML deployed in the biomedical sciences are held up as models for the emerging NanoFab ecosystem in the United States and beyond. What lessons can NanoFab stakeholders glean from its health sciences counterparts? This talk will explore how the evolution of data sharing and AI in health care might inform the development of today’s NanoFab and data driven AI systems. How did fiercely competitive healthcare entities in industry and academia find common ground? What role did government research grants play? The talk will address how intellectual property, competitive business interests, and heterogeneous standards were navigated. Audience members will be encouraged to consider practical approaches to navigate difficult grant compliance, IP and data management issues in modern AI/ML collaborations.