

SUMIKA STANSBURY

Consulting Engineer



Sumika Stansbury helps biopharmaceutical companies assess and mitigate drug transport risks and document their cold chain validation efforts as a Modality Solutions Consulting Engineer. Her undergraduate research provided a solid foundation for her role, enabling her to gain practical experience in assessing the impact of temperature and flow rates on heat transfer in a surfactant-based pumping system. Through her research, Sumika honed the data collection, observation, and analytical skills that are essential to an effective Consulting Engineer.

Sumika supports Modality Solutions' clients on many levels—developing detailed test protocols for cold chain transport validation, reviewing test data, and writing the technical reports that biopharmaceutical companies rely on for successful regulatory filings. She also assists the Modality Solutions team in conducting cold chain risk assessments and developing strategies to mitigate the risks associated with drug product transportation. Sumika's educational background, research experience, and proficiency in Autodesk Inventor, SOLIDWORKS, MATLAB, JMP, and CHEMCAD provide a strong foundation for this role.

Sumika is goal oriented, thrives in an environment where she contributes to results, and finds it rewarding to work in a field where she can fulfill her life's purpose of helping people. "I like that I'm able to contribute to improving patients' lives by validating drug product transportation and helping pharmaceutical companies meet their regulatory filing deadlines," she says.

Growing up, Sumika had the opportunity to visit her mother's family in Japan every summer and to experience Japanese suburban life—attending the local school, making new friends, and fishing in the mountains. Her mother was born and raised in Japan, so Sumika is fluent in the language and gravitates toward cooking the traditional Japanese dishes her mother and grandmother passed down.

Affiliations

American Institute of Chemical Engineers

Education

B.S., Chemical Engineering

The Ohio State University