

# FRIS/TI-FRIS

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## Hub Meeting

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## Biological Flow Imaging with Ultrasound

### Summary

Ultrasound technology is a vital tool in non-invasive organ assessment. Its unique ability to measure and visualize internal body flows, such as blood circulation, is crucial for understanding cardiovascular health and pathology. Recent advancements in medical ultrasonics have improved spatial resolution, enabling imaging of micro-scale flow tracts, and increased temporal resolution to over 1,000 frames per second, capturing complex and transient flow patterns. This presentation will introduce the interdisciplinary efforts behind these ultrasound advancements and how they have provided deeper insights into multi-scale biological flow dynamics.

\*Language: English

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参加登録