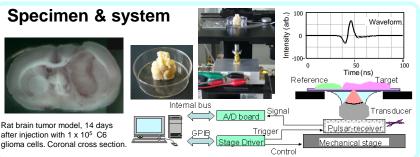
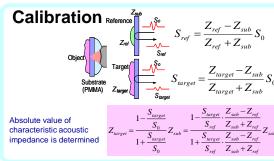
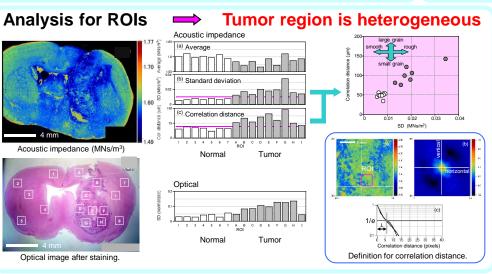
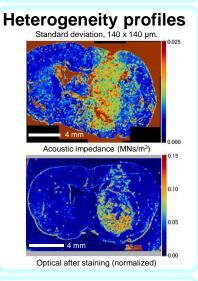
## Cross-sectional Observation of Rat Brain Tumor Model and Its Quantitative Analysis by Newly Proposed Acoustic Microscope



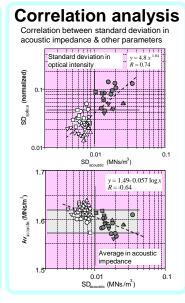








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## **Summary**

Our imaging method for cross sectional characteristic acoustic impedance will become a powerful tool for detection of brain tumor during surgery operation.

The tumor region can determined by morphological inspection, and highlighted by means of local heterogeneity in characteristic acoustic impedance.

A probe type system is needed for *in situ* observation during surgery operation; however, the present system can also be applied to pathological inspection of enucleated tissues.