

# Doctoral Dissertation Presentation

## 学位論文発表会

### Study on the effects of dietary organic acids on **metabolomic** profiles of **sturgeons**

チョウザメのメタボロームに及ぼす餌料添加有機酸の影響に関する研究

LIU, Qi 劉 奇

Program of Food and AgriLife Science 食品生命P

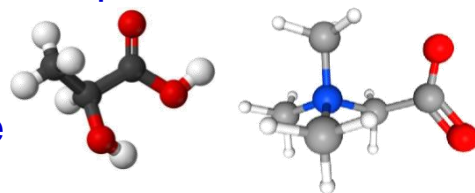
2025-01-20 **Monday** 11:00 to 12:00

@ **C301**



This study focuses on sturgeons and explores how metabolomics can aid in understanding their biology, conservation, and aquaculture. The thesis chapters cover the following:

1. Introduction: Overview of sturgeon biology and research status.
2. Metabolomics in Siberian sturgeon: Tissue-specific metabolites (egg, fat, and meat) were analyzed.
3. Seasonal metabolomic changes
4. Feed additives lactic acid and betaine
5. Meat and fat metabolomics
6. By-product effects: Commercial by-products containing lactic acid and betaine influence blood, meat, and fat metabolomes.
7. General discussion



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