# MetaboBank Public Repository for Metabolomics

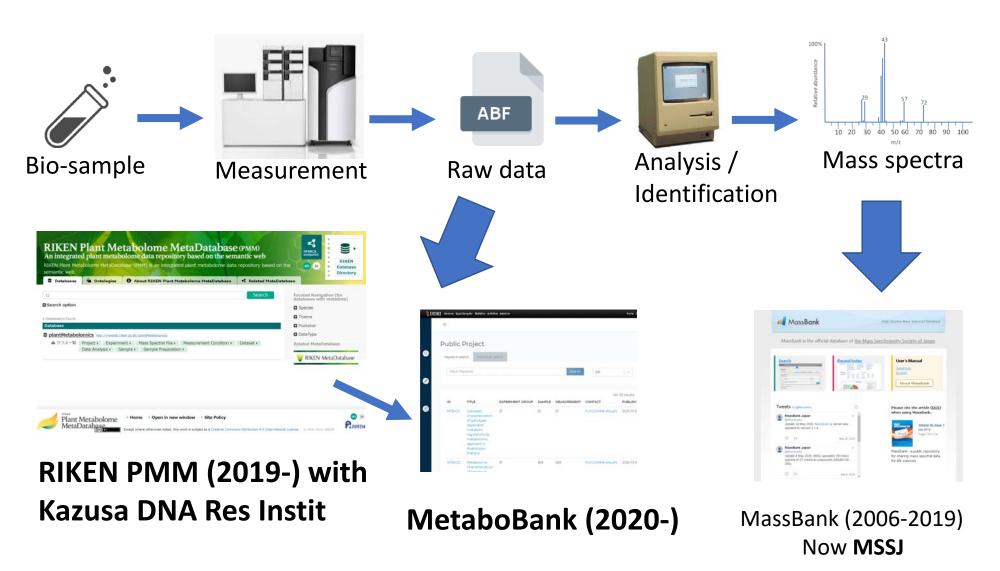
National Institute of Genetics (遺伝研)

ARITA Masanori (arita@nig.ac.jp)



#### MetaboBank is the primary repository for metabolomics

Omics research for small chemicals (compounds)



## Metabolomics Workbench by NIH

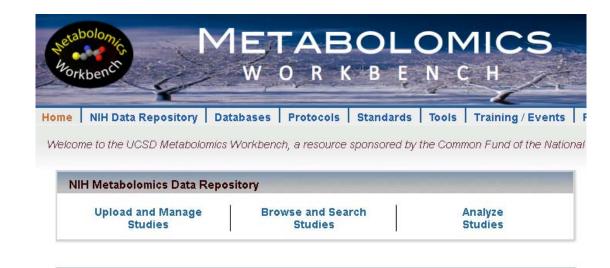
Metabolomics News

Data repository for research integrity / verification

NIH Common Fund

< 20% are published Web-based analysis

Meta-data are minimum. (harder to reuse)



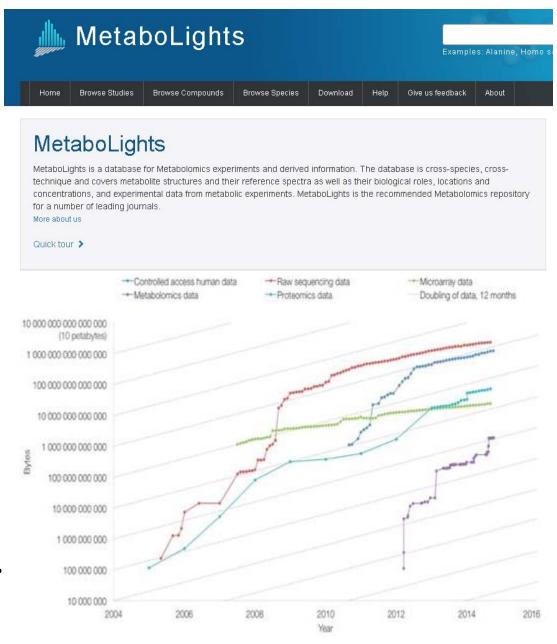
02-11-2018 - Research Associate for Metabolomics Research - The Sumner Lab at the University of North Carolina at Chapel Hill Nutrition Research Institute is seeking an individual who is highly skilled and experienced in mass spectrometry methods to serve as a Research Associate for metabolomics research. The Research

# MetaboLights Repository by EBI

Since 2012
All species / methods
Started by Chris
Steinbeck and Reza Salek
CC-BY

90% data are published. Meta-data registration with ISA-TOOLS

Still, data reuse is difficult.



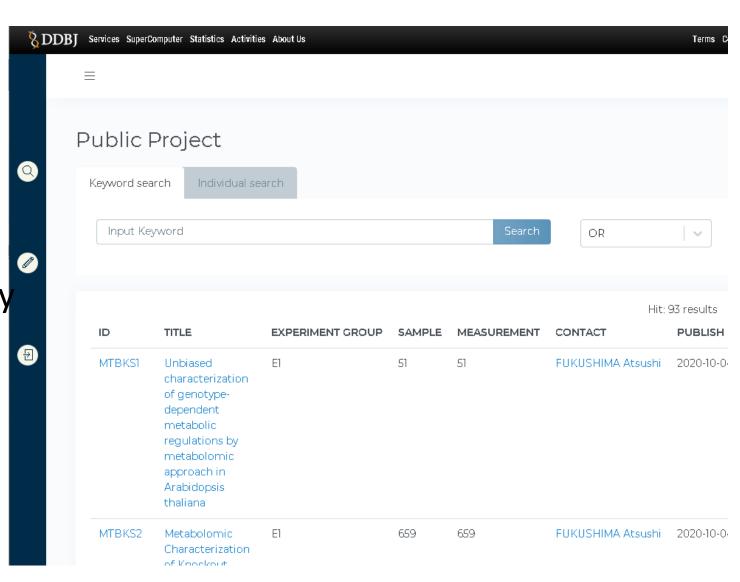
# MetaboBank by DDBJ

#### Opened on 5<sup>th</sup> October 2020 at mb.ddbj.nig.ac.jp

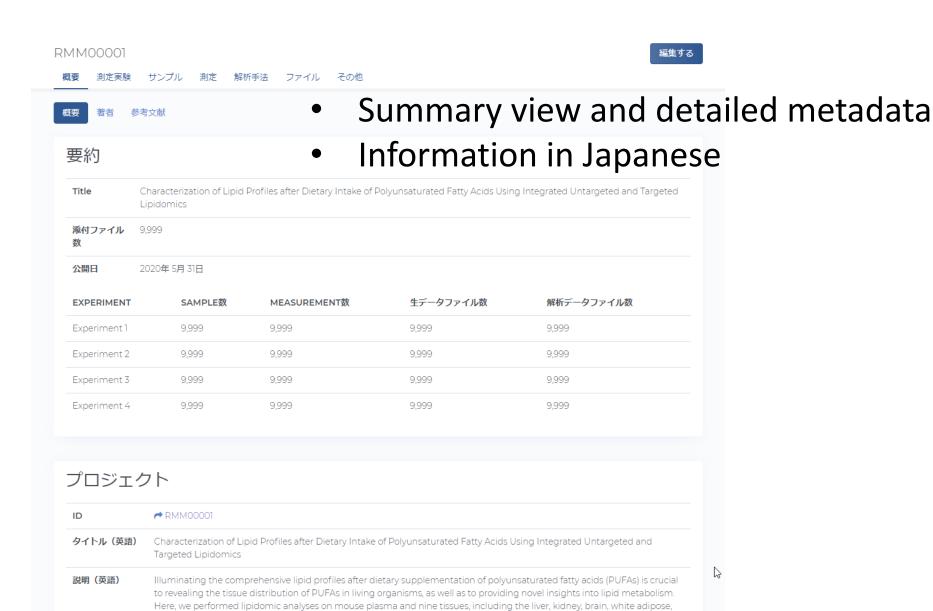
Submission through Excel

Detailed metadata for reproducibility

Embargo ok



### **Advantages**

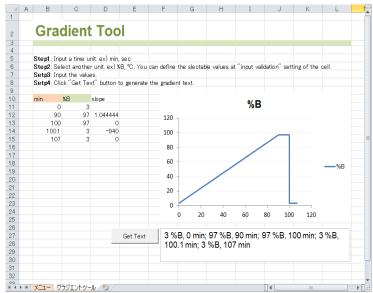


heart, lung, small intestine, skeletal muscle, and spleen, with the dietary intake conditions of arachidonic acid (ARA).

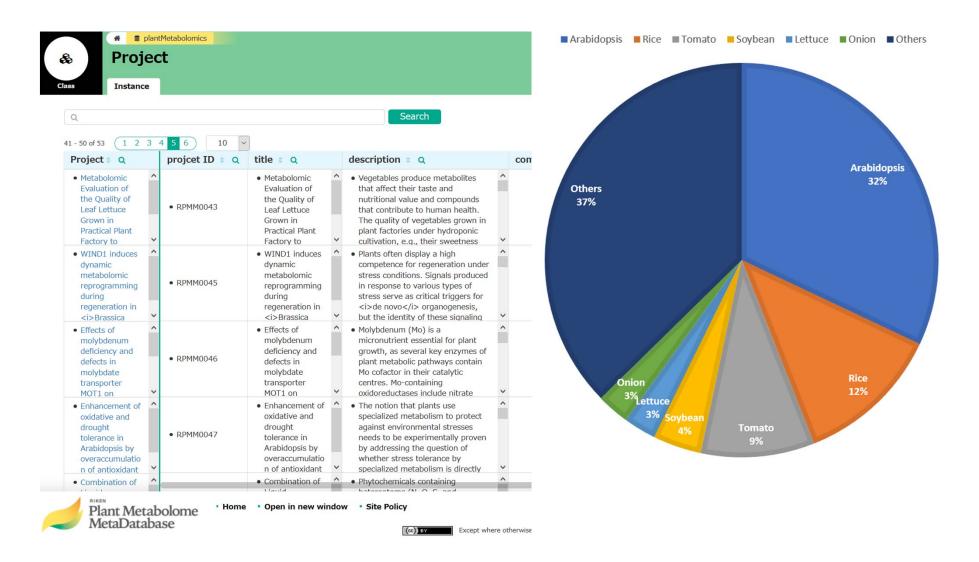
## MetaboBank Editor using Excel



- ➤ 100 Information sheets are organized in the Excel file.
- Users can reuse previously input information.



# Re-analysis you can do



ご意見等,お待ちしております (3日以降にアクセスをお願いします)

metabobank@ddbj.nig.ac.jp

今後, DDBJ講習会にも登場する予定です YouTube: DDBJ Channel