

# Enrichment of Analytical Data by Adding Chemical Information

Patrick Boba

**Application Scientist** 



#### **BSSN Software**

**Scientific Software** 

Made in Germany

Headquartered in Darmstadt, subsidiaries in Hungary and Switzerland





#### We're in it for the data

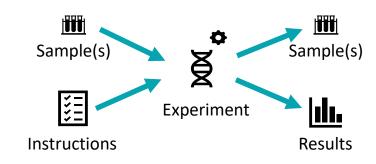
- Data is the most important result of work in the lab
- Data should be as accessible as possible.

- This enables:
  - Integration between systems
  - Collaboration with partners
  - Data analysis
  - Long-term retention



## AnIML ASTM Open Standard Solution

- Analytical Information Markup Language
- ASTM XML format for analytical and biological data. Developed by a consortium from industry, academia, vendors and government entities
- Core offers generic data container for any type of analytical and biological data
- **Technique Definitions** define how to use Core to store data for a given experiment type



Resources: <a href="https://animl.org">https://animl.org</a>

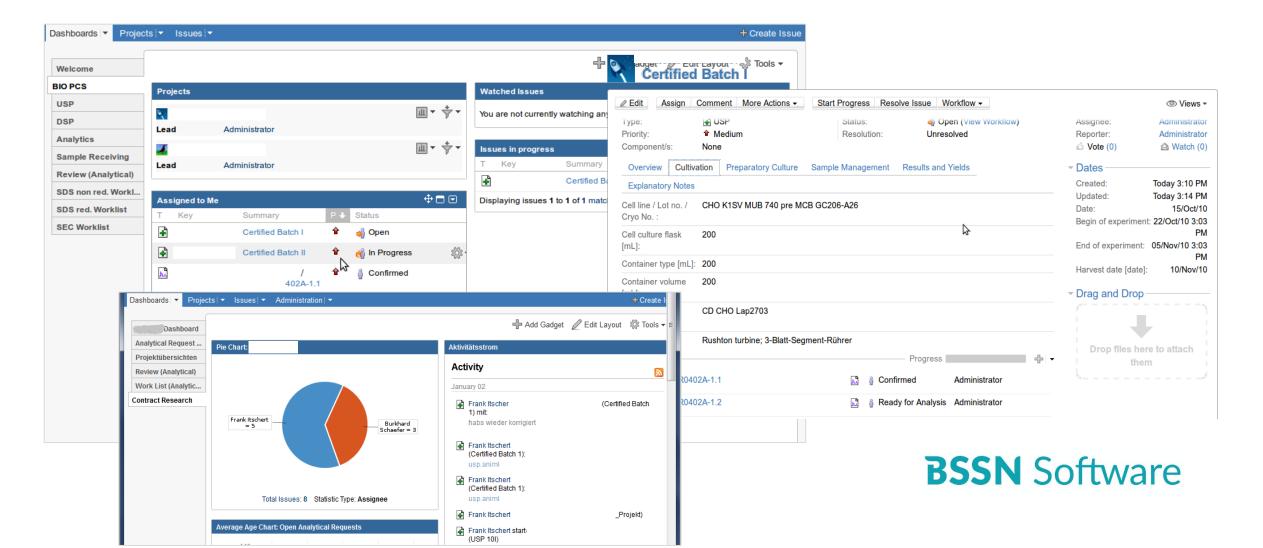


### **Analytical Data Anywhere**

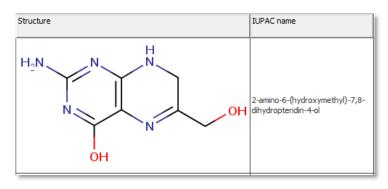
Solutions for every Platform: Seahorse Scientifice Workbench



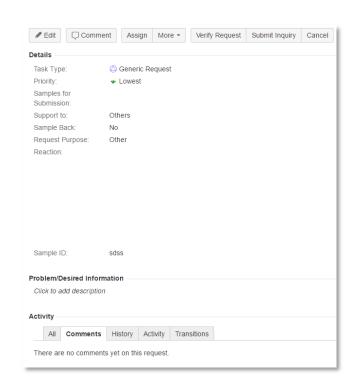
## Sea Shell Bioprocess Manager Information at a glance



#### Putting Analytical Data into Context



Information on Chemical Structure (e.g. from an AnIML file)



Include into Sea Shell BPM



### Bioprocess Manager & Marvin JS





