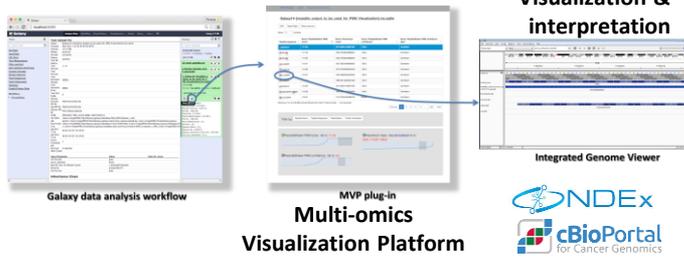


**AIM 1. Extend our Galaxy-plugin MVP tool for visualization, interpretation and data exchange**

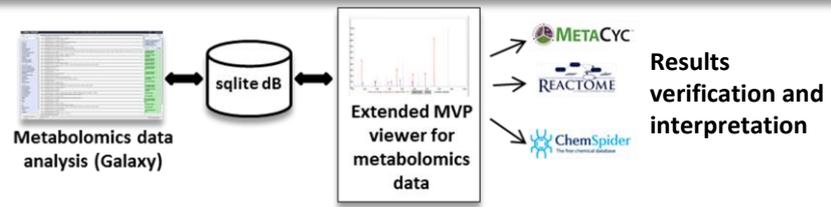
- UMN/MSI developers 
- Feedback from DCP collaborators 



**AIM 2. Extend Galaxy and the MVP tool for metabolite profiling in cancer research**

**Collaborators**

- Hegeman (UMN) 
  - Metabolomics tool developers
  - ITCR groups 
  - Driving cancer projects (DCPs) 
- Informatics Technology  
for Cancer Research



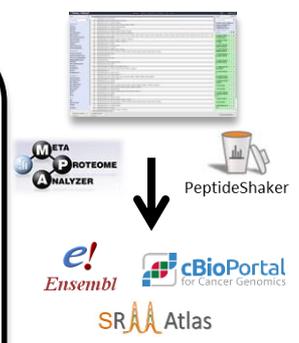
**Multi-omic informatics hub for cancer researchers**



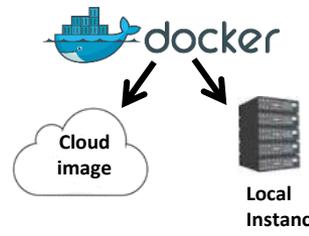
**AIM 3. Extend Galaxy and the MVP tool for integrative genomic-proteomic informatics and workflows**

**Collaborators**

- Smith (UW-Madison)
  - Martens (Ghent University/VIB)
  - Tool developer community
  - ITCR groups 
  - Driving Cancer Projects 
- Informatics Technology  
for Cancer Research



**Streamlined workflows and tools; outputs for verification and validation**



**AIM 4. Catalyze use by cancer researchers via dissemination, promotion and training activities**

- Deploy in accessible resources
- Promote easy Galaxy-instance installation and interoperability
- Promote usage (bench scientists and developers) publication, presentation, workshops
- Provide bench scientist training opportunities 

