

PLEXUS ASSAY

Gábor Keresztes
Budapest Annual Meeting
2016

ChemAxon users

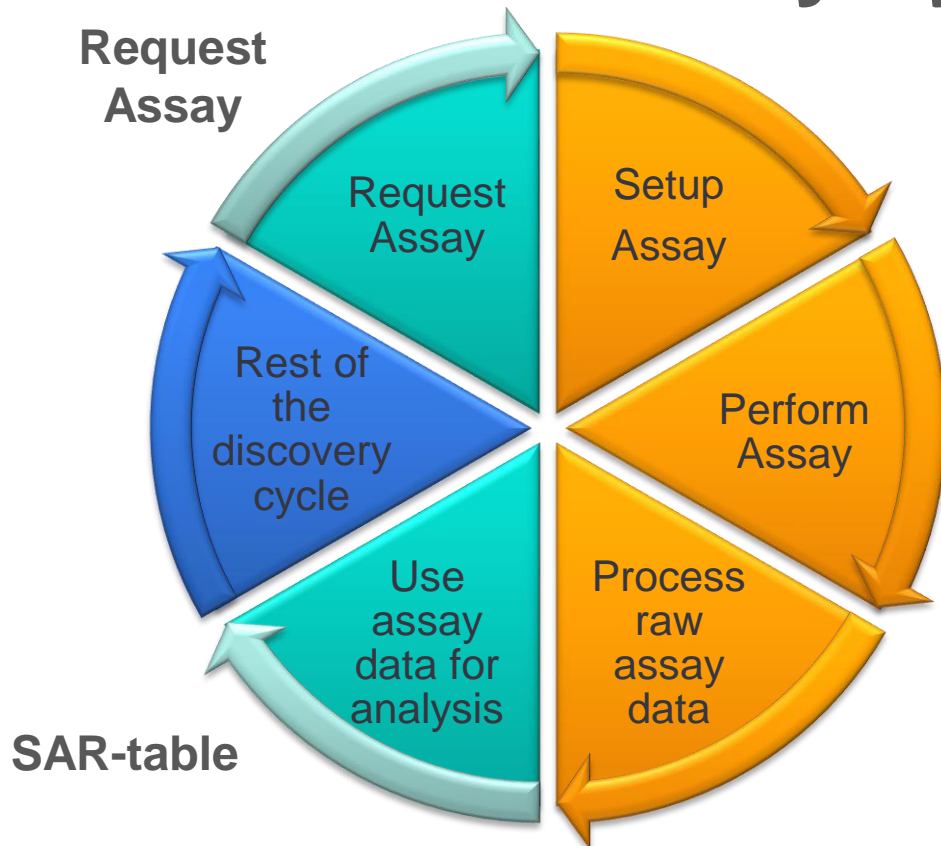
... request
assay for
select missing
data points



... upload
processed assay
data from excel
files of CROs

... access
assay data for
SAR analysis

Pharmaceutical discovery cycle



A typical Processed Assay Data file

Assay description

	A	B	C	D	E
1		Target - 1 IC50 (nM)	Target 1 - Hill_slope	Target 1 - minconc	Target 1- maxconc
2	Entity_1	Value 1	Value 4	Value 7	Value 10
3	Entity_2	Value 2	Value 5	Value 8	Value 11
4	Entity_3	Value 3	Value 6	Value 9	Value 12
5					
6					

Sample
information

Processed assay data

MS Office Excel file

Aggregation of Processed Assay Data

Assay A

	A	B	C
1		Target - 1 IC50 (nM)	Target 1 - Hill_slope
2	Entity_1	Value 1	Value 4
3	Entity_2	Value 2	Value 5
4	Entity_3	Value 3	Value 6

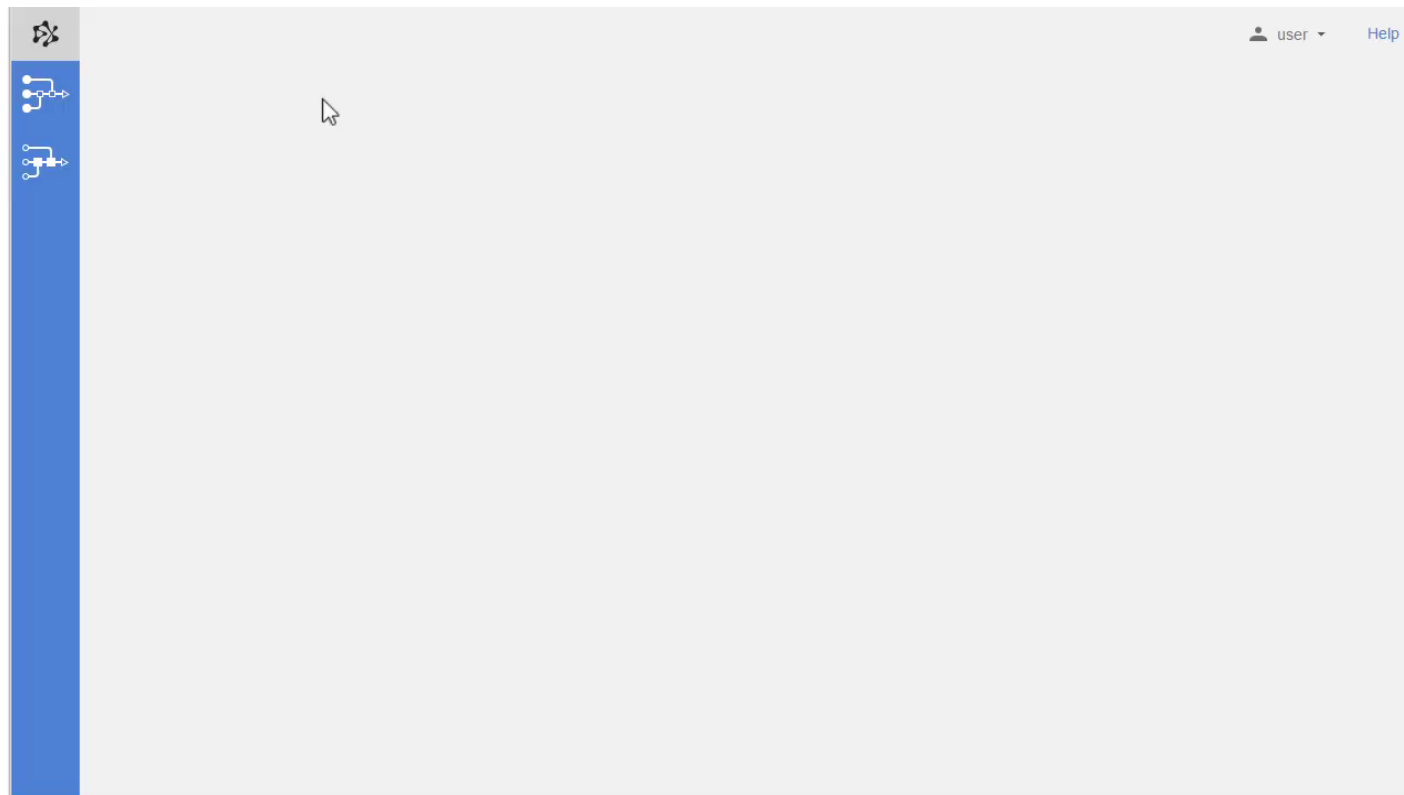
Assay B

	A	B	C
1		Target - 1 IC50 (nM)	Target 2 - Hill_slope
2	Entity_1	Value 7	Value 10
3	Entity_2	Value 8	Value 11
4	Entity_4	Value 9	Value 12

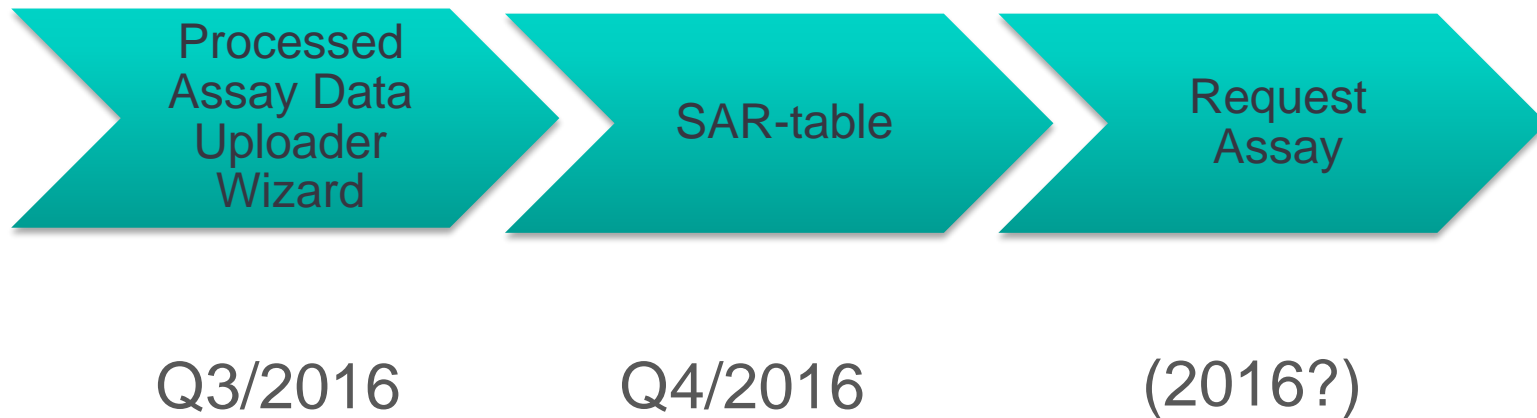
Several data aggregation logics supported

Data aggregation centrally configurable to processed assay parameters

Processed Assay Data Uploader Wizard Prototype



Plexus Assay Roadmap



Take home message



ChemAxon

ChemAxon started a long journey to the assay world

Think of ChemAxon as Providing solution in the cheminformatic,
bioinformatic and laboratory informatic space

Acknowledgement

Placeholder for the Team Photo

THANK YOU