



30-04-2024

OMERO plugins

Workshop: **FAIR data handling for microscopy: Structured metadata annotation in OMERO**

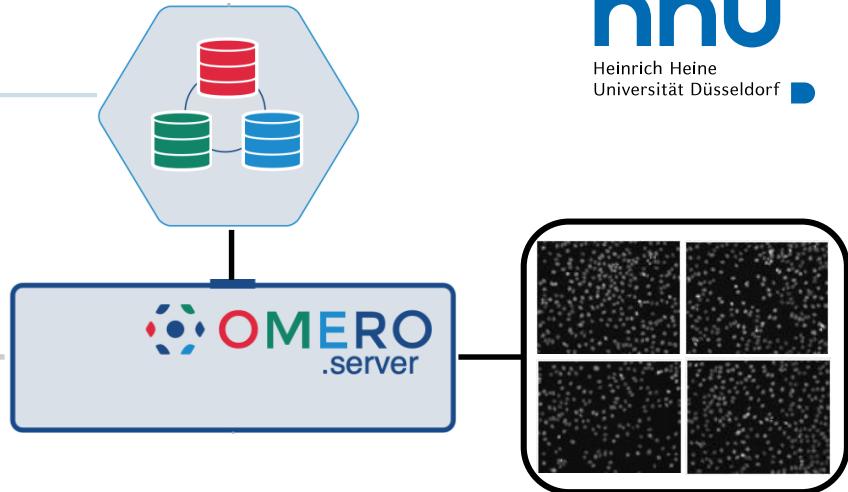
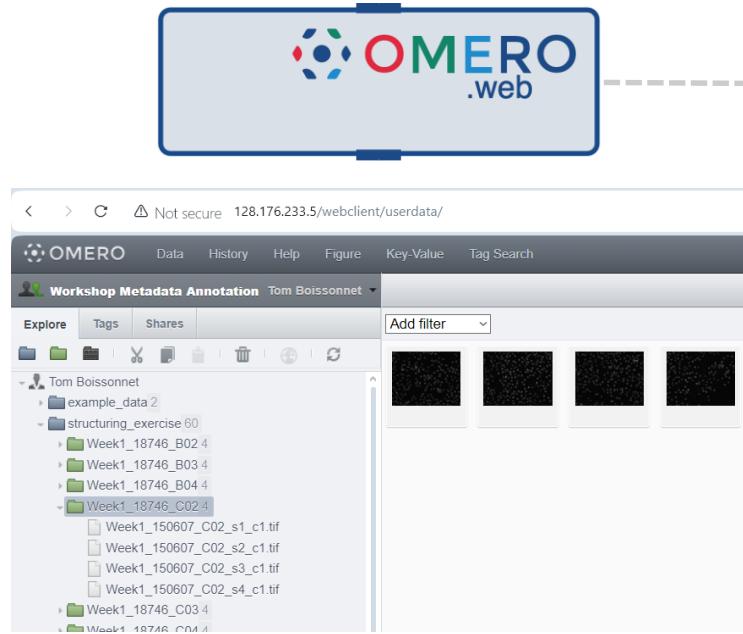
April 29th & 30th, 2024

Day 2 Session 7

Trainer: Vanessa Fuchs, **Tom Boissonnet**, Christian Schmidt



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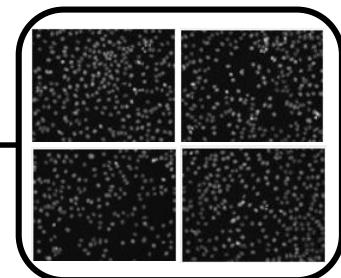
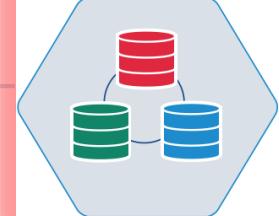
OMERO plugins

OMERO.figure

OMERO.iviewer

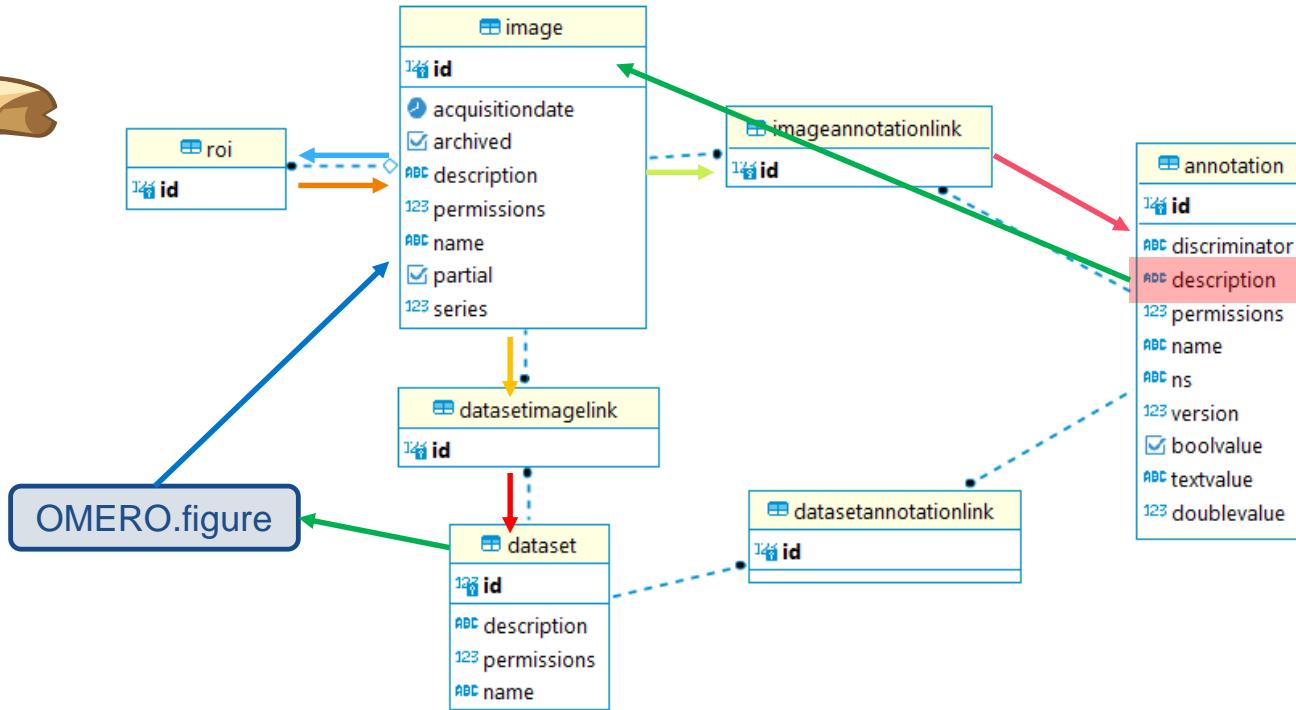
OMERO.tagsearch

OMERO.parade



A screenshot of the OMERO web client interface. The top navigation bar includes links for OMERO, Data, History, Help, Figure, Key-Value, and Tag Search. A dropdown menu shows "Workshop Metadata Annotation" and "Tom Boissonnet". The main area has tabs for Explore, Tags, Shares, and a search bar with "Add filter". The left sidebar shows a file tree with categories like Tom Boissonnet, example_data_2, structuring_exercise_60, and Week1_18746. The right panel displays four thumbnail images of microscopy data.

Treasure hunt behind the scene



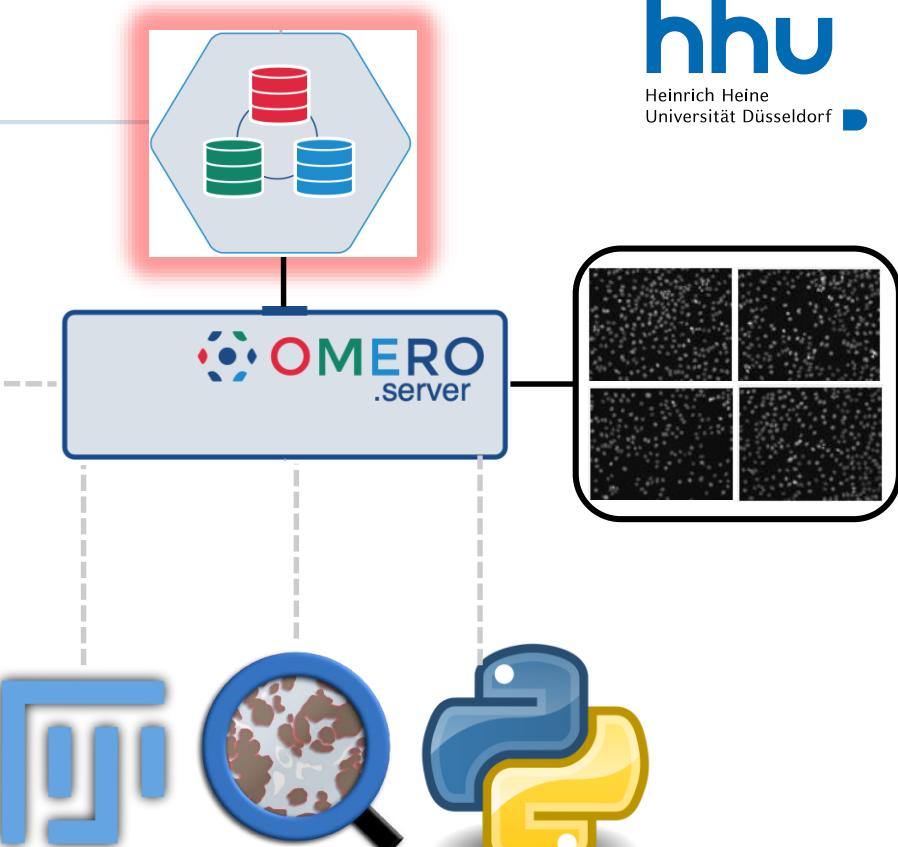
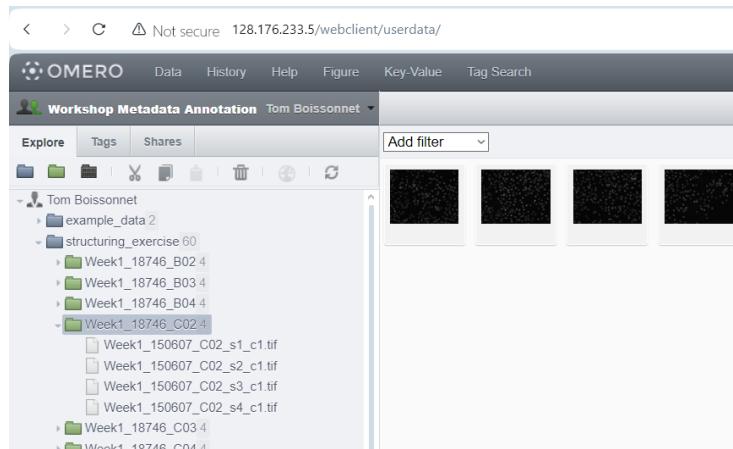
OMERO

OMERO.figure

OMERO.iviewer

OMERO.tagsearch

OMERO.parade



- import script / populate metadata: Make an OMERO.table out of a CSV file

Attachments



roi_analysis.csv

Table

image	roi	area	avg_inten_C0	avg_inten_C1	avg_inten_C2
13278	65584	1205677.0	38701.0	42363.0	760.0
13278	65585	1470548.0	28573.0	42220.0	947.0
13278	65586	1200417.0	35192.0	44121.0	747.0
13278	65587	1447938.0	32550.0	45276.0	933.0
13278	65588	1274438.0	32099.0	36876.0	799.0
13278	65589	1421678.0	58407.0	60823.0	884.0
13278	65590	1220604.0	41654.0	47156.0	792.0
13278	65591	1184172.0	39427.0	46411.0	756.0
13278	65591	1224946.0	24840.0	33459.0	768.0
13279	65592	1424809.0	17905.0	33864.0	941.0
13279	65593	995294.0	25585.0	38470.0	616.0
13279	65594	1204997.0	15061.0	28537.0	771.0
13279	65595	1081951.0	49136.0	86084.0	125.0
13279	65596	1475485.0	37292.0	48017.0	950.0
13279	65597	1526607.0	27268.0	41203.0	985.0
13279	65598	1134129.0	36584.0	42564.0	706.0



i3D:bio



How to make the most of your global image measurements

Omero.parade

Part III = Plot layout



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EMBRC
FRANCE



ifb
imagerie



MICA
MICROSCOPIE
IMAGERIE
CÔTE D'AZUR



OMERO.parade OMERO.MDV (to come)

localhost:4080/omero_mdv?dir=config/214485/

main ▾

Table

M...	Perim...	Feret...	FeretX...	FeretY...	FeretAngle...	MinFeret...	Dataset...	Bounding_...	Channel Index...	Im...
0	163....	348....	396	10442.04...	35.556...	CDK5...	41.6608093...	200	957	
0	136....	45....	439....	9843.338...	25.930...	CDK5...	37.28420257...	300	953	
0	105....	40....	573....	543....	11089.78...	20.426...	CDK5...	110.3556976...	100	956
0	217....	64....	550....	543....	8804.713...	35.479...	CDK5...	115.3152084...	100	955
0	381....	81....	465....	570....	9794.102...	56.066...	CDK5...	155.2716064...	100	955
0	192....	63....	494....	520....	11264.84...	40.660...	CDK5...	71.94370269...	300	954
0	183....	54....	440....	508....	10171.13...	34.241...	CDK5...	109.790927...	100	956
0	182....	51....	530....	506....	10236.07...	36.445...	CDK5...	122.3639984...	300	954
0	238....	66....	430....	481....	9776.202...	37.331...	CDK5...	73.43899536...	100	955
0	177....	53....	426....	371.25	6468.270...	37.272...	CDK5...	72.15119934...	300	954
0	437....	14....	423....	514....	7107.535...	86.841...	CDK5...	146.8779907...	200	957
0	155....	48....	457....	491....	9460.021...	31.405...	CDK5...	50.21279907...	100	956
0	133....	48....	576....	439....	10062.24...	28.969...	CDK5...	74.44799804...	300	954
0	77.8...	32....	341....	444....	5272.434...	19.733...	CDK5...	38.77299682...	100	955
0	145....	48....	411....	483....	8740.788...	23.849...	CDK5...	63.59920501...	100	955
0	135....	49....	526....	492....	8822.016...	24.301...	CDK5...	181.8432006...	300	954
0	60.6...	26....	343....	390....	9004.561...	13.370...	CDK5...	9.404999732...	100	956
0	90.8...	34....	427....	411....	10908.91...	18.813...	CDK5...	53.61759567...	100	954
0	90.7...	33....	598....	648....	10633.98...	19.399...	CDK5...	45.29289627...	100	956

Dataset x Average Size

Average Size

Dataset

Total Area

Count

Total Area

Average Size

Scatter Plot