Bulk Import

IDR

- Easily Reproducible: Import particulars are captured in text files (YML and CSV)
- Creation of the text files by scripts
- Minimal manual intervention needed
- OMERO.guides chapter

Bulk Import

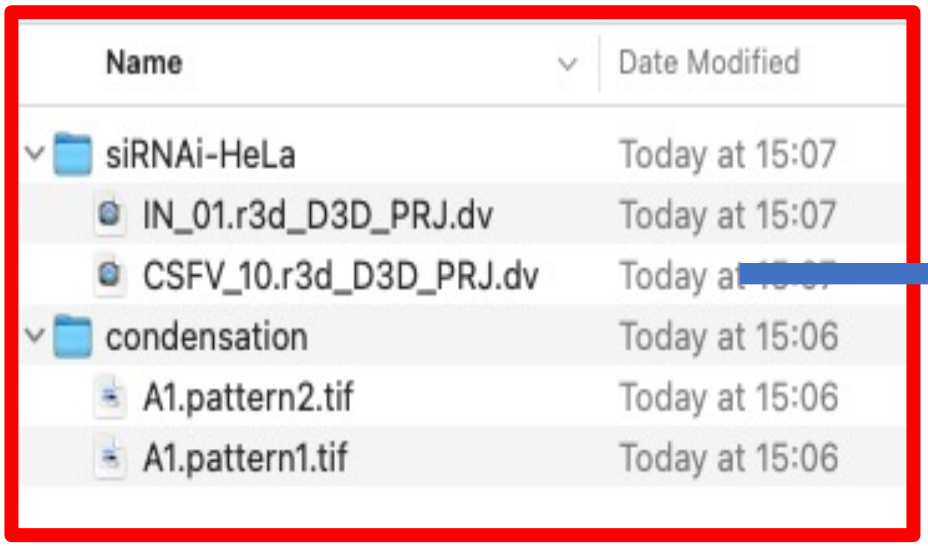
- bulk.yml
  - HOW the import will be done
  - Points to **`import-paths.csv`**

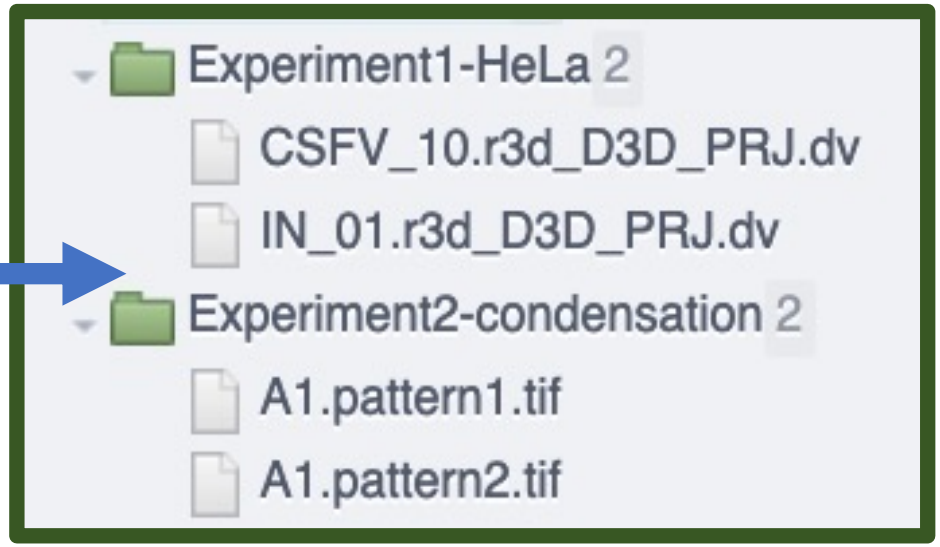
```yaml
---
continue: "true"
transfer: "ln_s"
# exclude: "clientpath"
checksum_algorithm: "File-Size-64"
logprefix: "logs/"
output: "yaml"
path: "import-paths.csv"
columns:
- target
- path
```

Bulk Import

- import-paths.csv
  - WHAT will be imported to WHERE (in OMERO):

```
Dataset:name:Experiment1-HeLa,/OMERO/in-place-import/siRNAi-HeLa
Dataset:name:Experiment2-condensation,/OMERO/in-place-import/condensation
```





The Image Data Resource (IDR)

- **Public access**
- **Reference datasets** - complete datasets containing molecular and functional annotations, associated with an existing or upcoming publication.
- **Study integration** - integrating studies or datasets with other datasets via **genes**, **compounds** or **phenotypes**.
- **Curated metadata**
- **Cloud re-analysis**

IDR Metadata Templates

- Assays File (Experiments only)
  - List of all images and description of imaged samples - treatments, channels (stain/label).

B	Z	AA
Image Name	Image File	Comment [Image File Path]
Myelin Image 1	Sample1_Oligodendrocyte	/Sample_Myelin_Images1/Sample1_Oligodendrocyte.tif
Myelin Image 2	Sample2_Oligodendrocyte	/Sample_Myelin_Images2/Sample2_Oligodendrocyte.tif
Myelin Image 3	Sample3_Oligodendrocyte	/Sample_Myelin_Images3/Sample3_Oligodendrocyte.tif
Myelin Image 4	Sample4_Oligodendrocyte	/Sample_Myelin_Images4/Sample4_Oligodendrocyte.tif
Myelin Image 5	Sample5_Oligodendrocyte	/Sample_Myelin_Images5/Sample5_Oligodendrocyte.tif

IDR Metadata Templates

- Assays File (Experiments only)
  - Description of each image

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J	K	L	M	N	O
Comment [Gene Identifier 1]	Comment [Gene Symbol 1]	Comment [G	Comment [Gene Identifier 2]	Comment [Gene Symbol 2]	Comment [G
ENSMUSG00000041607	Mbp	Ensembl vers	ENSMUSG00000062380	Tuj1	Ensembl vers
ENSMUSG00000041607	Mbp	Ensembl vers	ENSMUSG00000062380	Tuj1	Ensembl vers
ENSMUSG00000041607	Mbp	Ensembl vers	ENSMUSG00000062380	Tuj1	Ensembl vers
ENSMUSG00000041607	Mbp	Ensembl vers	ENSMUSG00000062380	Tuj1	Ensembl vers
ENSMUSG00000041607	Mbp	Ensembl vers	ENSMUSG00000062380	Tuj1	Ensembl vers